

*act*4nature

Business for Biodiversity

Companies' commitments

July, 10 2018 • Paris

*act*4nature

Business for Biodiversity





Along with the fight against global warming, the preservation of biodiversity is the most important environmental challenge of the 21st century.

The stakes are huge: at the current rate, half of all living species could have disappeared a century from now.

The economic world cannot afford to ignore this challenge.

Large companies are particularly concerned about the ecosystems that underpin them and enable them to develop their activities. These concerns must now be extended to their animal and plant ecosystem which is under threat.

That is why, ever since the launch of the **act4nature** initiative, I have wanted Afep to give full support, by mobilising large enterprises at top level in favour of biodiversity. I have therefore written individually to the Chairpersons of 120 member companies to emphasise the importance of the challenges that we face and the great capacity of the major French corporations to embark their suppliers, customers and partners with them.

Among the various economic stakeholders, large companies were the first to commit for climate. They are aware of their role and therefore are now working alongside governments and NGOs to tackle the protection of biodiversity which is the other major challenge to be addressed.

While the contributions of large companies are necessarily focused within their own sphere of action and has to remain compatible with their corporate objectives, they can take a range of different forms, including:

- working on their own impact and that of their products, by identifying how to prevent, reduce or compensate for it;
- investing in ways of transforming their production processes or services in order to introduce the concepts of sustainability and circular economy;
- supporting scientific research;
- or, finally, promoting practices that respect biodiversity among their employees, their suppliers or their customers.

Whatever form this action takes, there are not yet clear metrics. Despite this difficulty, decisions have to be urgently taken.

Most essential is that large companies provide solutions. Indeed, all individual commitments presented today prove it: each of the 30 Afep member companies that responded to the appeal with their own specific expertise have committed themselves to a forward-looking approach in support of biodiversity, by working together with other stakeholders that are ready to assist them, with a will to make a positive contribution at the global scale.

The time is short - let us move forward together!

Laurent Burelle, Chairman of Afep



The loss of biodiversity, long overshadowed by debates on climate change, has finally become an issue of interest, even concern, to both the general public and governments.

Indeed, according to a recent poll, more than 80% of French people are now aware of and concerned about biodiversity loss⁽¹⁾.

Any issue that has prompted dire warnings from the scientific community, and which stakeholders consider important, is obviously of interest to companies. Many companies, who had initially committed to human and environmental responsibility, have also understood and factored this issue in, measuring both the risks for their business models over time and the associated opportunities it could present, starting with strong endorsement from their staff.

Some have also started to develop solutions compatible with their business models, or even to reengineer those models when necessary⁽²⁾. Others, particularly among those who belong to EpE, have decided to change scale and promote new, more environmentally-friendly methods of production.

Voluntary commitments form the basis of **act4nature**'s approach, the first steps of which are described in this brochure.

Our approach is nature-conscious and collective. EpE, Afep and MEDEF have joined hands to promote corporate action and we are proud to report that a number of other corporate entities have also chosen to team up with us.

From the beginning we have always worked in tandem with the scientific community, a number of environmental protection associations, and public authorities. Despite the fact that the subject is highly complex and quite new to some companies, we wished to ensure that our efforts would yield ambitious and efficient results.

Act4nature draws its strength and effectiveness from its first partners and the members that continue to join us every day. We have set out to build enduring relationships in which our partners and their businesses will pay close attention to and report regularly on the implementation of their commitments. In this brochure each player sets out their reasons for joining the **act4nature** initiative as well as their assessment of our first series of promises of action.

A methodological problem arose from the great diversity of issues. The relationship between business and nature is complex, multi-faceted and often indirect. Companies for whom biodiversity is a top priority in their analyses of the "materiality" of issues are few and far between. Relevant indicators also differ between companies and between professions.

.../...

(1) Survey Fête de la nature/YouGov, May 2018.

(2) EpE : <http://www.epc-asso.org/en/companies-and-biodiversity-managing-impacts-on-the-value-chain-march-2017/>

This is why we have chosen to organise **act4nature**'s commitments into two groups:

- A shared commitment, the sum of ten concrete commitments drawn up with our partners and agreed to by all the company CEOs who have joined **act4nature**. It aims to factor biodiversity issues into all activities, from governance and strategy to the most concrete operations, and to explain them to companies' partners and stakeholders in such a way as to drive and promote spontaneous and widespread actions. The goal is for each company to make a net positive contribution to nature.

- An individual commitment made by each company, with promises of new actions including figures and deadlines, based on indicators that are relevant to its business. These individual commitments are expected to change regularly, in line with **act4nature**'s continuous progress approach. They are also an invitation to all stakeholders to take part in a fruitful dialogue.

The commitments presented here are a start. We hope to encourage companies around the world and at home in France to take a fresh look at the nature that surrounds us and on which we all depend, and to invite them to join our initiative. The list of companies that have decided to join us can be found at the end of the brochure. Others will follow.

Two events scheduled in 2020 are of vital importance: the IUCN World Conservation Congress in Marseille and the Convention on Biological Diversity (COP15) in Beijing. Businesses attending these events can be a driving force for an ambitious agreement by showing that they already have some solutions, are able to innovate to find new ones, and are determined to implement those solutions to address the challenges biodiversity faces today.

In short, the **act4nature** approach aims to widen and strengthen the contribution of businesses.

The future of nature is in our hands.

Jean-Dominique Senard, Chairman of EpE



Biodiversity is an asset for business, let's preserve it!

Companies are becoming aware of the challenge of biodiversity preservation and the role they can play in tackling it.

Following up on the National Strategy for Biodiversity 2011-2020, the **act4nature** project demonstrates the dynamism of companies that can provide solutions for the reconquest of biodiversity.

The effective response to these challenges requires the implementation of a wide variety of tools. This is particularly true with the erosion of biodiversity which origin is very varied and occurs at very different scales, making it impossible to set up a single tool. Voluntary pledges can then usefully take over from the norm.

The diversity of commitments in this brochure testifies to the large number of economic actors represented and the levers favorable to biodiversity. The discerning reader will notice that through all these commitments the five factors of erosion are addressed (fragmentation of natural habitats, overexploitation of resources, pollution, invasive species and climate change). This diversity was already one of the features of the two brochures published by MEDEF, "Companies and Biodiversity: examples of good practices" in 2010 and "Companies and biodiversity: understand and act" in 2013.

Through their talents and internal skills, the evolution of their business models and strategies, the exchange of good practices and experiences in their professional federations and territories as well as partnerships and dialogue with their stakeholders, companies are expected to become key players for the recovery of biodiversity.

MEDEF will continue to promote voluntary initiatives and good business practices and to encourage dialogue between all stakeholders in order to reconcile competitiveness and protection of biodiversity.

Geoffroy Roux de Bézieux, Chairman of MEDEF

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THE 10 COMMON COMMITMENTS

The scientific community:

- warns us about the damage to biodiversity caused by the current global economic development model⁽¹⁾ and demographic trends;
- gives us notice that the assumption of a sixth mass extinction caused by human activity is proving to be true⁽²⁾;
- explains to us that biodiversity is under threat and, consequently, so is the functioning of the living planet;
- alerts us that ecosystem services will be affected, without us yet being able to estimate all the social and economic consequences, including impacts on our businesses.

The scientific community also specifically points out that the situation will get worse on land and in our oceans if no action is taken to address the factors behind biodiversity damage: land artificialisation and territorial fragmentation that reduce habitats, resource overexploitation, monocultures, pollutions, expansion of alien invasive species, and lastly climate change. These high-inertia mechanisms are for the most part interlinked, indirect and diffuse.

Our companies can contribute to the development of new dynamics. Beyond their corporate social responsibility, it is in their interest to do so since they depend on ecosystems working properly and since a change of approach also carries new opportunities.

We already have solutions and can develop new ones, thereby meeting changes in the mindset and expectations of a growing part of the population.

Concrete experiences in our companies and our value chains, from suppliers to customers, are encouraging us to change scale and create value by integrating biodiversity into our strategies.

Most of the countries in which we operate are pursuing public policies, at various levels, aimed at conserving and restoring biodiversity as well as encouraging all actors to play an active part in this direction. In France, the National Biodiversity Strategy (SNB), formulated within the framework of the Convention on Biological Diversity⁽³⁾, implements initiatives along those lines and encourages companies to adopt voluntary approaches to meeting targets set by the international community.

The commitments that follow are in line with those public authorities' initiatives.

Aware of the role our companies are expected to play, we are accordingly committing to integrating nature - environments, animals, plants, ecosystems, interactions and genetic heritage - into our strategies and business models, and to taking concrete action to provide solutions for the conservation of biological diversity, its restoration, the sustainable use of natural resources and a equitable sharing of the benefits arising out of their utilisation.

(1) See latest reports from IUCN and IPBES.

(2) Text validated by the FRB Scientific Committee and reference to "World Scientists' Warning to Humanity: A Second Notice", BioScience, Volume 67, Issue 12, 1 December 2017.

(3) International treaty adopted at the Rio Earth Summit 1992, the parties to which adopted the Strategic Plan for Biodiversity 2011-2020 (Aichi Targets).

More specifically, we the signatories undertake to:

- 1 Integrate biodiversity into our corporate strategy, founding our action on available scientific knowledge;
.....
- 2 Engage in dialogue with all our stakeholders regarding their expectations and our impacts, actions and progress;
.....
- 3 Assess the various components of biodiversity of concern to us, using direct and indirect impact indicators, risk and performance indicators and, when relevant for decision making purposes, assess in economic terms our impacts and our reliance on smoothly functioning ecosystems;
.....
- 4 Promote the progressive integration of biological diversity into decisions throughout our value chains, from the production of natural raw materials to the final stage of our products life cycle after use by consumers;
.....
- 5 Primarily prevent, reduce and ultimately offset our impacts, by seeking on a case-by-case basis no net loss as a bottom line or even a net gain of biodiversity⁽⁴⁾ in our activities and geographical areas of influence, and by factoring in the need for ecosystems to adapt to climate change;
.....
- 6 Give priority to the development of Nature-based Solutions⁽⁵⁾, ensuring that they are implemented in a science-based and biodiversity-friendly manner, and promoting a certain variety in such solutions;
.....
- 7 Incorporate biodiversity into our dialogue with policymakers so that this issue is progressively embedded into public policies. When invited to do so, contribute to the national biodiversity strategies of countries where we operate;
.....
- 8 Raise awareness of and train our employees in biodiversity and its relation to their jobs. Promote and encourage nature-friendly initiatives by them and providing due recognition to such actions and practices;
.....
- 9 Mobilise resources and establish appropriate partnerships to support and monitor our actions taken in the field;
.....
- 10 Publicly report on the implementation of these commitments and of our individual commitments set out below.

Moreover, we call on other organisations across all sectors to join us in making and fulfilling these commitments. The individual commitments set out below take stock of these common commitments based on our respective activities.

(4) WCC-2016-Res-059-ENIUCN Policy on Biodiversity Offsets
https://portals.iucn.org/library/sites/library/files/resrecfiles/WCC_2016_RES_059_EN.pdf

(5) WCC-2016-Res-069-ENDefining Nature-based Solutions
https://portals.iucn.org/library/sites/library/files/resrecfiles/WCC_2016_RES_069_EN.pdf



Photo credit: RTE

INDIVIDUAL COMMITMENTS

The partners* in the **act4nature** initiative have helped to develop the initiative and draft the common commitments. They have not expressed an opinion on each company's individual commitments. Each individual commitment is binding only on the company that pledged that commitment.

* Corporate networks, public authorities, scientific partners, NGOs

Yves PERRIER
CEO

<http://about.amundi.com/Un-acteur-engage/Developing-responsible-finance>

AMUNDI'S INDIVIDUAL COMMITMENTS IN *act4nature*

Right from when it was created in 2010, Amundi considered social and environmental responsibility as one of its four founding pillars. We have been pioneers in affirming the financial sector's responsibility in the exercise of responsible investment policies. This engagement is based on strong convictions.

First, we are convinced that the financial sector, as a funder of the real economy, has a role to play in building a sustainable world alongside public and private stakeholders.

Second, sustainable financial performance requires long-term strategies, thereby linking value creation and responsible corporate practices.

As an asset manager, we are concerned to invest our clients' assets in companies of which we appreciate the quality. In order to gain in-depth knowledge of a company, we build Environmental, Social and Governance (ESG) criteria into our analysis processes and investment decisions, in addition to traditional financial criteria.

Our ESG analysis therefore refers to 36 criteria, 15 of which are generic and common to all issuers whatever their business sector, and 21 of which are sector-specific.

Biodiversity is one of our three generic environmental criteria and is therefore taken into account in the ESG analysis of the 5,500 issuers that we cover.

As an investor, our objective is to study the risks and opportunities related to a number of sustainable development issues in corporate strategies.

In terms of biodiversity, poor impact management can lead to operational, regulatory, reputational or market risks for a company.

For example, we are currently observing a trend in consumer requirements for production and supply that are more responsible and respectful of natural capital and ecosystems. Conversely, good management can create business opportunities: creation of new markets (recycling, re-use of waste), production efficiencies (optimisation of the use of natural resources), or even competitive advantage (with clients anxious to protect biodiversity).

As well as analysing companies and sectors, ESG analysts produce in-depth thematic studies on the major issues of sustainable development. In these studies, biodiversity and the impact on ecosystems are often identified as key challenges in understanding future risks.

Here are a few examples of the impacts analysed in the "Discussion Papers" we publish regularly, available at www.amundi.com:

- Palm oil, the environmental dilemma (June 2017): deforestation, cultivation, soil pollution have a very negative impact on many endemic species, notably the iconic orangutan and Sumatran tiger.
- Deep-sea mining (August 2017): in recent years, scientific research has led to the discovery of an astounding variety of deep-sea life. These underwater species and micro-organisms are threatened with destruction or significant disruption due to the noise, vibration and light induced by deep-sea mining.
- Coal extraction (October 2016): issues related to pollution of the surrounding resources (air, water, sea) pose a threat to biodiversity, a case in point being acid mine drainage (AMD), which causes large-scale freshwater acidification.

Amundi actively supports issuers engaged in an approach of continuous improvement, aware of the value placed on environmental, social and governance (ESG) criteria, as well as collective initiatives for the environment, the climate and societal challenges.

Amundi is therefore pleased to support *act4nature* and is committed to:

- 1 Continuing and enhancing the consideration given to biodiversity** in corporate ESG analysis and thematic research,
- 2 Putting biodiversity-related issues on the agenda** of our meetings and our dialogue with companies, as part of our ongoing engagement process,
- 3 Integrating biodiversity issues**, when warranted, in our voting policy,
- 4 Producing**, by the end of 2019, an internal indicator of our action on biodiversity: the number of companies with which we address this subject every year.

Hervé PONCIN
CEO

<https://www.antalis.com/responsabilite/>

ANTALIS' INDIVIDUAL COMMITMENTS IN *act4nature*

The Antalis group, the European leader in paper distribution, packaging solutions and visual communication solutions is present in 44 countries. Its CSR strategy is based on ISO26000 and is in line with the relevant Sustainable Development Goals (SDGs). It regroups seven initiatives which work to integrate the principal impacts of the group, be they environmental, social or of governance. Antalis fully recognises the potential impacts of its business and strives to reduce them to the maximum.

Regarding biodiversity, the potential impacts of the group are of an independent nature and are related to the upstream activities of the group and, in particular, the supply lines associated with the paper products.

The responsibility of the group in this regard is threefold:

- guarantee the total absence of wood fibre from natural primary forests, areas of extraordinary biodiversity, and those in danger;
- prioritising certified sources of supply, guaranteeing the safeguarding and renewal of ordinary biodiversity;
- encourage the consumption of recycled paper, which reduces the pressure on natural resources, even if it is reusable.

This triple responsibility is clearly reflected in the CSR roadmap of the group and is fully integrated into the Antalis business model.

The choices made by the group in its supplies contribute to the strong preservation of biodiversity.

By favouring, in the overwhelming majority, the use of FSC (Forest Stewardship Council) or PEFC (Pan European Forest Certification) certified papers, the group thereby reduces its impact on the natural resource. In fact, these two certifications provide strong guarantees, throughout the value chain, on the initial sound management of the forest. This responsible management process includes environmental, social and governance criteria. Respect for biodiversity and ecosystems is one of the constituent elements of these certifications.

The other major focus of the group, in terms of supplies, namely the promotion of the use of recycled paper, makes it possible to go even further in terms of reducing pressure on the natural environment. Capable of being recycled up to seven times, cellulose fibres provide an ideal secondary material for the paper industry. Antalis, in its role as distributor, makes this segment a priority for the years to come.

In addition to the joint commitment, the Antalis group is specifically committed to:

Voluntary Commitment	Scope	Maturity Date
Transparently report on our impacts and achievements, in terms of biodiversity.	world	April 2019
Within the framework of the group's purchasing policy for fibre products, to comply scrupulously with the European Wood Regulation, and to be able to guarantee it to its stakeholders.	world	constant
Ensure the complete traceability and sustainability ⁽¹⁾ of 85% of the purchase volumes of fibre products, incorporating due diligence based on the IUCN list of endangered species.	world	2020
Promote the consumption of recycled paper by promoting the Green Star System, an environmental labelling system that classifies papers according to their environmental impact.	world	2020
Achieve 85% of the supply in FSC or PEFC certified and/or recycled fibre products, guaranteeing upstream management of forests that preserves biodiversity.	world	2020

(1) fibres derived from tree species classified as not at risk, according to the IUCN Red List of Species.



Thomas BUBERL
CEO

[https:// www.axa.com](https://www.axa.com)

AXA GROUP'S INDIVIDUAL COMMITMENTS IN *act4nature*

The AXA group supports the *act4nature* initiative by subscribing to its common commitments and making individual ones. The group recognises the critical role of biodiversity in maintaining a balance between human, environmental and climatic ecosystems; it also acknowledges that biodiversity should be preserved for its own sake, given the many negative externalities that result from its increasing degradation.

In building our individual commitments, we have reflected on the major elements of biodiversity, notably those pertaining to health, environment and climate, on which we are already strongly committed:

Biodiversity protects us through «regulatory services», including the protection of coastal areas through coastal morphology and reefs, capture of CO₂ emissions and regulation of water cycles by forests which reduce the risk of flooding.

Biodiversity is our primary source of food: our agriculture is based on the availability of fertile and nutrient-rich land threatened by increasing urbanisation; the quantity, quality and diversity of food allowed by natural pollinators contribute to a balanced diet and therefore to our health; lastly, fish resources are an important source of protein, and an essential one for 25% of the world's population.

Biodiversity is what keeps us healthy, in many respects: it is the first source of information on our health, through biomedical and genetic research; it is the raw material for more than half of our medicines, thanks to molecules derived from plants, animals and fungi; finally, it constitutes a natural barrier to the transmission of diseases, especially between animals and men.

In view of these elements, the AXA group engages in a strategic action plan on biodiversity by 2020, **which will focus on three types of commitments:**

1 Understanding our exposure to risks and opportunities related to biodiversity issues

- Conduct an analysis of our exposure to the different components of biodiversity through our various insurance and investment activities, in order to understand the risks and opportunities they present.

- Strengthen academic research on biodiversity funded by the AXA Research Fund. The group will increase its funding allocation to research on biodiversity, beyond the 30 projects already funded, among which the conservation of the tropical forests of Southeast Asia, the impact of climate change on pollination or the development of sustainable agriculture in China.

- Develop new biodiversity impact indicators for our internal operations as well as our insurance and investment activities.

- Initiate a reflection on the insurance of natural resources and on the prevention of further degradation of biodiversity.

2 Develop concrete actions for our insurance and investment activities on biodiversity:

- Initiate a shareholder engagement dialogue on plastic pollution in the oceans, which mainly consists in food packaging, proven to be dangerous for marine ecosystems. The AXA group plans to start a dialogue with the food and beverage industry and to partner with civil society to promote plastic waste collection and recycling.

- Strengthen our policies to protect fisheries resources, following our ratification of Oceana's Marine Statement against Illegal, Unreported and Unregulated (IUU) fishing, through a constructive dialogue with our customers.

- Through our marine cargo insurance activity, promote responsible management of ballast water in the context of the International Convention of the International Maritime Organisation (IMO) which prevents the harmful spread of aquatic organisms from one region to another.

- Refine our different investment exclusion policies, particularly with respect to investments:
 - in derivatives based on soft commodities;
 - in palm oil producers who do not respect responsible practices (notably on deforestation).

3 Engage our employees and internal practices in favour of biodiversity

- Strengthen our employee's commitment to preserving and restoring biodiversity, particularly through the activities planned by AXA Hearts in Action, AXA's employee volunteering program.
- Reduce our own plastic consumption across our AXA sites.
- Continue our efforts to preserve biodiversity through the responsible management of our 600 km² of green spaces.



Dr. Sophia Hansson, researcher in Geochemistry on water pollution, financed by the Axa Research Fund.

Thierry HERNING
President, BASF France

<https://www.basf.com/en/company/sustainability/environment/resources-and-ecosystems/biodiversity-and-ecosystems.html>

BASF'S INDIVIDUAL COMMITMENTS IN *act4nature*

Preserving biodiversity is vital to the activities of BASF. To ensure its sustainable management, BASF France has chosen to position the challenges relating to biodiversity at the very heart of its sustainability policy, recognising the importance of natural capital and the objectives of the Convention on Biological Diversity, and continually optimising its production processes. Target is to improve energy efficiency, conserve resources and protect the climate whilst providing its customers with innovative products and services.

In France, BASF gives its support to five focus areas that relate to biodiversity:

- Systematic impact analysis
- Contribution through sustainable processes
- Development of solutions to preserve biodiversity
- The use of performance indicators
- Strengthening dialogue between all stakeholders.

A steering committee was launched in 2015 to implement this strategy in France. It brings together employees from different sites to promote interaction between teams and functions (HSE, R & D, Communication). It is coordinated by Sandrine Leblond - an expert in bees and biodiversity - and addresses biodiversity-related issues using a "value chain"-type approach: see Diagram 1.

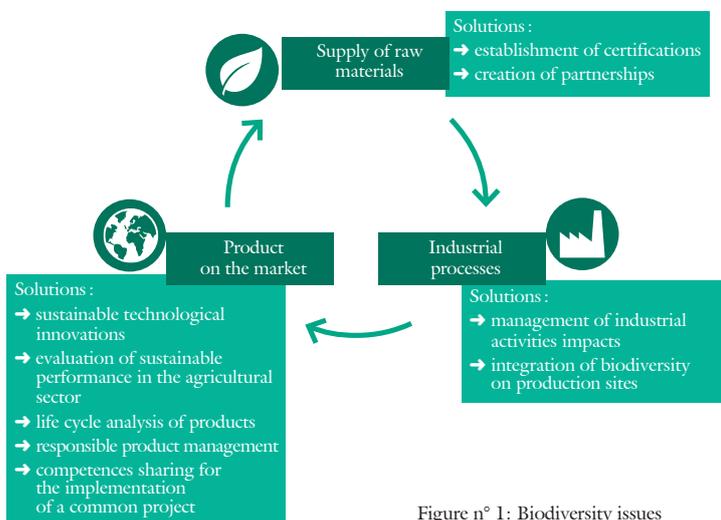


Figure n° 1: Biodiversity issues in BASF France

We have chosen to give examples of actions implemented by level⁽¹⁾.

Supply of raw materials

Action 1: Implementing certification start: 2011.

Palm oil is a key resource but involves important biodiversity issues. Since 2011, BASF has been working to ensure the traceability and RSPO⁽²⁾ certification of its supplies. The company is also engaged in an advanced dialogue with stakeholders through its PalmDialog⁽³⁾ initiative. Since 2017, BASF has been intensifying its efforts in its commitment to use sustainable palm oil with the publication of a status report: BASF Palm Progress Report⁽⁴⁾.

For example, the BASF Health & Care Products site at Boussens (31) has been sourcing certified 100% sustainable palm oil since 2017.

Manufacturing processes

Action 2: Taking account of biodiversity within manufacturing sites - start: 2015.

BASF embarked on a strategy to promote biodiversity on its sites in France according to the concept "Responsible production, preserved biodiversity".

Objectives:

- To contribute to the recognition and development of ordinary biodiversity by proposing practical actions measured over time using indicators.
- To improve its regional identity and relations with local partners by including external stakeholders in the project.
- To stimulate employee creativity through a federating project by creating project teams on the sites.
- To improve the working environment by developing facilities on sites.

Seven sites are already involved, and three are in the study phase.

This project is being set up according to a national methodology for which various tools have been designed, based on a methodological guide and a regional analysis, to move towards a project dashboard and report on results for each site.

In addition, a practical guide has been drawn up in the form of themed sheets (relevance of facilities to biodiversity and employees, costs, maintenance, follow-up protocols, reliable suppliers, safety rules and administrative procedures).

Four examples of projects on sites:

- A fauna and flora area to provide cover and shelter for biodiversity. Nesting and food for insects and animals (nesting boxes, beehives, flowers, differentiated management, natural lakes and dams), areas for employees (tables, edible berries etc.).
- Ensuring shelter for swallows on building facades. Cover and shelter (nesting boxes, suitable mixed flowering plants), raising awareness among employees.
- Facilities encouraging local animal and plant biodiversity by providing ecosystem services. Increased presence of plants used in BASF active ingredients, establishment of an orchard and nesting boxes through educational activities.
- The honey bee, a bio-indicator of site environmental quality.

The quality of the site's environment for bees and flowering plants to feed them (diversified, high quality pollen), raising awareness among employees.

Marketing of sustainable products and solutions

Action 3 : The BiodiversID programme in farms - start: 2011

Since 2011, the BiodiversID programme has provided support to encourage ordinary biodiversity in farms. Farmers and local stakeholders monitor biodiversity (honey bees and wild pollinators, birds etc.). Raising awareness of biodiversity-related issues posed by farming activities and jointly developing best farming and crop protection practice is core to the programme. Support and validation is provided by a range of partners and experts, and the best practice established in this way is incorporated into a European programme (BASF Farm Network)⁽⁵⁾.

Below is a summary of the activities and some results of the BiodiversID programme.

Biodiversity analyses	Coordination with experts	Development
<ul style="list-style-type: none"> • Quality (habitats, practices) • Mapping and green infrastructure • Counts undertaken by farmers and experts • Recommendations 	<ul style="list-style-type: none"> • Training: pollinator counts, soil quality, beneficial insects etc. • Technical days: apicultural set-aside, hedges, differentiated management etc. 	<ul style="list-style-type: none"> • Forums • Computer graphics, results, themed files

36,474 pollinators monitored since 2012	Bird counts on 12 farms	Monitoring of beneficial insects on 27 sites	Monitoring of soil quality
Monitoring of 12 beehives 30 automated scales	29 experts 13 themed networks	63 farmers	>75 600 people fed with produce from the farms

In March 2018, after consultation with the agricultural sectors, BASF made a recommendation on the reasonable use of its fungicides on rapeseed in order to preserve pollinators: https://www.agro.basf.fr/agroportal/fr/fr/cultures/le_colza/opticolza/protection_de_la_culture_et_des_abeilles.html

Did you know?

As part of its product development process, BASF is continuing its commitment to biocontrol⁽⁶⁾ and has set itself a target of 15% market share in biocontrol-based plant protection solutions by 2025.

(1) All actions and projects undertaken by BASF France are listed on 64 pages of the BASF 2017 Voluntary Commitment File.

(2) Roundtable on Sustainable Palm Oil.

(3) <https://www.basf.com/en/company/sustainability/responsible-partnering/palm-dialog.html>

(4) https://www.basf.com/documents/corp/en/sustainability/responsible-partnering/palm-dialog/BASF_Palm_Progress_Report_2016.pdf

(5) 2017 data.

(6) Biocontrol products are agents and products using natural mechanisms as part of the integrated fight against pests such as macro- and micro-organisms and pheromones (Article L.253-6 of the French Rural Code).



Frank GARNIER
Chairman and CEO

<https://www.bayer.com/en/position-biodiversity.aspx>

BAYER FRANCE'S INDIVIDUAL COMMITMENTS IN *act4nature*

Bayer is an International and European enterprise with core competencies in the life science fields of health care and agriculture. Bayer France groups Bayer's activities in France and upholds its social, societal and environmental values.

Bayer France's current turnover is split between the human health (59%), crop protection (38%) and animal health (3%) businesses.

International Actions

Bayer's global objectives, commitments and actions are presented in its annual global report, the 2017-2018 version of which has just been released. This report complies with the GRI 4 standards and is available for consultation, as well as its previous versions⁽¹⁾.

Historically, Bayer has been an active participant in the United Nations Global Compact since 2000. Bayer is also a signatory of international covenants including Responsible Care, and is a member of the World Business Council for Sustainable Development (WBCSD), of the PSCI Initiative as well as numerous organizations working on the three pillars of sustainable development.

Bayer supports the United Nations Sustainable Development Goals, in particular Goals 2 (No hunger) and 3 (Good health) which are at the core of our «raison d'être»⁽²⁾. Furthermore, in order to assess our commitments, we submit our activities to the various internationally recognised indexes such as the Dow Jones Sustainability World Index (since 1999), the FTSE4 Good Indices (since 2001), the MSCI (Bayer is listed in the MSCI Global Low Carbon Target Indexes), CDP and CDP Water, Access to Medicine Index (since it was set up in 2008), Access to Seeds Index (2016)...

National Actions

In France, Bayer has been a member of EpE since 2010, a signatory of the Responsible Care Charter, with actions for which Bayer France has been recognised with UIC awards. Furthermore, we are member of LEEM (the association of pharmaceutical companies) which has also recognised our CSR actions.

In order to highlight our high standard of environmental care while producing solutions for the market, our Marle and Villefranche plants hold ISO 14001 (environmental management), ISO 50001 (energy management) and

OHSAS 18001 (health and safety management) certifications. This standard was extended to our suppliers both through a charter launched back in 2009, and through audits within the TFS (Together For Sustainability) group.

In order to limit environmental impact, and in a move that goes beyond our obligations, we have our tertiary sites audited and certified by the international certification BREEAM-in-use, which covers nine fields including energy, water, waste, ecology, and others; these sites are home to approximately one thousand workers and receive numerous visitors. In particular, we have had an ecology study performed on each of our certified sites.

We actively contribute to all cross-professional activities, and have supported the establishment of eco-organisms to help in both the collection of non-used medicinal drugs (Cyclamed) as well as the recovery of agricultural packaging (Adivalor). We thus work as active partner with a dozen of these eco-organisms (including training and awareness-campaigns among our employees).

In parallel with steps to support biodiversity, such as developing solutions including phytobacs (4,500 installed in France, with 650 phytobac experts)⁽³⁾, the subject of pollinators and bees in France has also mobilised Bayer's efforts with concrete proximity actions. In particular we support new solutions and innovative practices over a network of eight forward farms⁽⁴⁾. A beekeeper/farmer commitment charter launched on these farms has served, for example, as the basis for discussion during beekeeping awareness workshops led jointly by a Bayer Sustainable Agriculture Engineer (SAE) and a local beekeeper. These workshops are offered by Bayer to its clients throughout France and help share best pollinator-friendly agricultural practices among farmers.

Furthermore, since 2015, Bayer has been monitoring beehives with electronic scales placed under the hive. This collaborative monitoring involves a farmer, a beekeeper, a partner (cooperative, distributor, producer association) and a Bayer SAE. Beehive activity may be appraised directly thanks to the measurement of weight variations. Thus, the farmer can determine whether the bees are foraging with a view to adapting the time when the treatment can be applied minimising any risk for the colony. Over 80 experimental scales have been installed to date.

Bayer Commitments

- To carry out a Bayer France materiality matrix in the course of 2018 involving a panel of French stakeholders, in order to prioritise challenges, expectations, and biodiversity positioning. This analysis will be shared in the annual Sustainable Development Report for France published in 2019.
- To carry out a global survey to identify all biodiversity initiatives carried out or to be carried out by Bayer. All inventoried initiatives both globally and in France will be published.
- To develop, at global level, new biocontrol solutions for sustainable or organic agriculture. To this end, we shall continue investing €120 million in R&D globally on a yearly basis. Bayer France undertakes to offer 15% of biocontrol solutions to French farmers by 2025.
- After purchasing the Monsanto group, Bayer will pursue its transparency process by publishing summaries of our studies on crop protection products.⁽⁵⁾
- In the context of the launch of Polyvar Yellow®, the solution developed by Bayer to effectively fight against the varroa mite, Bayer France undertakes to train beekeepers in its optimal use and to assess the use and effectiveness of the product.
Similarly, we shall offer to collaborate with beekeeper associations in order to further the fight against this scourge.
- Each year, in France we undertake to:
 - conduct some ten agricultural awareness-building workshops on best practices needed to preserve pollinators;
 - make available approximately one hundred connected scales spread throughout France by late 2019;
 - hold ten annual "auxiliary fauna" training events for farming audiences.
- Certifications in France:
 - To maintain certifications or equivalent certifications of our industrial sites directly or indirectly linked with biodiversity.
 - To maintain certifications or equivalent certifications of our tertiary sites directly linked with biodiversity at least at the "Excellent" level (BREEAM in-use certificates 2 and 3). To develop these same certifications for two additional sites at least to the "Excellent" level by 2021.
- To set up awareness-building training in environmental challenges, including biodiversity aspects, for Bayer employees in France. Bayer undertakes to provide this training to all its employees by 2021.
- To continue protecting and inventorying the diversity of wild orchids growing at our Sophia Antipolis site, with the help of the Natural Species Conservatorium.
- Bayer undertakes to reduce its global GHG emissions by 20% between 2015 and 2020.

(1) <https://www.bayer.com/en/integrated-annual-reports.aspx>

(2) <https://www.bayer.com/en/sustainabilitystrategy.aspx>

(3) <https://www.bayer-agri.fr/outils-services/phytobac-on-line/>

(4) https://www.bayer-agri.fr/environnement/le-reseau-des-8-fermes-de-references-bayer_3470/

(5) www.cropscience-transparency.bayer.com

B&L ÉVOLUTION'S INDIVIDUAL COMMITMENTS IN *act4nature*

■ Include biodiversity within our value chain:

Upstream: purchase of furniture and consumables

- Purchase of certified office furniture to stop deforestation: 50% target for 2018 and 80% for 2020.
- Purchase of 100 % certified paper by 2024.

Downstream: the systematic integration of biodiversity issues in the preparation of our recommendations regarding our consulting missions and training courses for companies and territories that we assist by developing specific analytical frameworks:

- Especially concerning territories: inclusion of the preservation of ecosystems, their evolution and to include nature-based solution in 100% of sustainable development programs & Climate Plan we assist by 2020.
- Especially concerning companies, by 2020: analyse of the biodiversity and ecosystem services' issues in 75 % of CSR strategies and materiality analysis we realise, and in 50 % of our climate and innovation strategies in business models.

■ R&D and innovation in support of biodiversity

- Publication of a survey linked to biodiversity and/or light pollution by 2020.
- Leading 2 communication campaigns per year to educate the public, and the economic and territorial players (communication/press /blog/social network) from 2018.
- Continuation of our commitment with associations and organisations working on biodiversity, mainly our involvement in nature-based solutions of IUCN, or participating in working groups of the FRB (foundation for research on biodiversity) at the rate of one day/person every quarter from 2018.

■ Reduce strains on biodiversity

- Update our biodiversity impacts analysis by 2020 and complement monitoring indicators adapted to the specific set of our business.
- Favouring providers and suppliers respectful of biodiversity for our events (seminars, caterers, etc.).
- Limitation of the waste of resources within our activity (supplies, papers, energies).

■ Promote habitats for biodiversity on our sites

- Creation and maintenance of an urban agriculture system in our office.
- Valuation of green spaces around all our sites to foster habitats, with a specific management plan by 2020.

■ Mobilisation of our collaborators

- Organisation of training sessions with our collaborators about biodiversity issues, direct and indirect impacts of our activity by 2020.
- Organisation of at least one session a year to make our collaborators aware of daily eco gestures:
 - meal (to favour organic and local products and sustainable agriculture),
 - actions in favour of biodiversity (composting, waste sorting),
 - commuting (cycling, public transport),
 - good use of the equipment,
 - lighting and light pollution.
- Fostering the well-being of collaborators at work thanks to nature: revegetation of offices, access to green spaces, etc.



Jean-Laurent BONNAFÉ
CEO

<https://group.bnpparibas/en/group/corporate-social-responsibility>

BNP PARIBAS' INDIVIDUAL COMMITMENTS IN *act4nature*

BNP Paribas has been proactively engaged in protecting biodiversity for many years through initiatives that target its «indirect» impacts, relating to its financing activities in high-risk sectors, and its "direct" impacts, associated with its real estate assets and paper purchases.

As part of its financing and investing activities, BNP Paribas requires its clients in high biodiversity impact sectors (such as farming, palm oil production, pulp and paper, and mining) to be firmly committed to protecting High Conservation Value areas, sites designated by the Alliance for Zero Extinction, wetlands subject to the Ramsar Convention, the IUCN's protected area categories I-IV and UNESCO World Heritage sites. BNP Paribas has also excluded from its portfolio any companies involved in the production, trade or use of drift nets longer than 2.5 kilometres and those involved in the trade of animal and plant species covered by the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES) and not in possession of a CITES exemption document. These commitments apply to the whole group, across all of its businesses and geographies. To ensure their effective application, mandatory training is provided to relationship managers who deal with clients in the relevant sectors.

In its own sphere of operation, the group takes action to protect biodiversity on the properties it owns. In Belgium, for example, BNP Paribas Fortis acquired Lake Virelles (125 hectares) in 1985 and transferred its management to three associations. The site now hosts a bird-watching station and a hospital for birds and mammals. In France, the group owns a 23-hectare park in Louveciennes, near Paris, which is managed in accordance with the highest standards in environmental responsibility. Park initiatives include maintaining ecological continuity, promoting flowering meadows, reducing the use of pesticides, planting local, non-invasive species, maintaining natural nesting areas, and leaving dead trees on the ground to provide shelter for insects and small animals.

Lastly, the group decided in 2017 to become carbon neutral by offsetting its direct CO₂ emissions through partnerships with WildLifeWorks and the GoodPlanet Foundation and their respective programmes to protect forests and promote biodiversity in Kenya and India.

To take its commitments a step further, BNP Paribas also sets concrete targets for the future:

- In its financing and investing activities, BNP Paribas has undertaken to eliminate deforestation from its portfolio by 2020, as part of its commitment to the "zero net deforestation" goal set out in the Soft Commodities' Compact, launched jointly by the Consumer Goods Forum and the Banking Environment Initiative. In practical terms, BNP Paribas requires its clients in the farming, palm oil production, pulp and paper, and mining sectors to protect High Conservation Value (HCV) forests and to prohibit slash-and-burn practices. In the palm oil production sector, it also requires its clients to have a policy for the protection of high carbon stock forests ("High Carbon Stock Approach").
- In addition, BNP Paribas is participating in the research conducted by CDC Biodiversité to develop biodiversity performance indicators for certain business sectors (such as farming) and by extension for the portfolios of banks that support those sectors. The first report was published in March 2018. Research is still under way, with the aim of developing a methodology by 2020.
- In its own sphere of operation, BNP Paribas has undertaken to reduce its paper consumption per employee by 30% between 2012 and 2020 and to increase the portion of responsibly-sourced paper (recycled or PEFC/FSC-certified) in its supply to at least 80% by 2020, in order to contribute to the protection of forests and their biodiversity. This commitment applies to the whole group, across all of its businesses and geographies.

All of these initiatives are detailed in our annual Corporate Social Responsibility report, which is reviewed by our statutory auditors.

BOLLORÉ LOGISTICS' INDIVIDUAL COMMITMENTS IN *act4nature*

The Bolloré Logistics Biodiversity Charter and action plan

Bolloré Logistics, a Bolloré Transport & Logistics brand, is a major stakeholder in the field of international transport and logistics. A supply chain expert, it creates sustainable global solutions for its customers that are innovative in their design and flexible in their operation. Bolloré Logistics is a service company and does not directly depend on living resources, biodiversity and ecosystem services. However, its network of 602 agencies and logistics hubs at international trade crossroads all over the world are points of contact with biodiversity.

Concerned with reducing the overall environmental footprint of its activities, since 2013 Bolloré Logistics has had, in partnership with an ecology consultancy firm, an active policy to manage its impact on biodiversity, supported by a Biodiversity Charter. It was first launched in France on four pilot sites, the Bolloré Logistics hubs in Roissy and Le Havre, the Nantes site (all BiodiverCity® sites) and the Bolloré Logistics head office in Puteaux.

The biodiversity management system follows the "think globally, act locally" concept and has three strategic directions (see below). It is developing progressively on the international stage with a flagship construction project for a pilot logistics hub in Singapore, currently pending its BiodiverCity® certification.

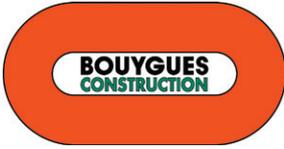
One of the first companies in France to implement a biodiversity management system, Bolloré Logistics has been certified "Biodiversity Commitment" by Ecocert since 2015. This certification recognises the company's efforts to manage biodiversity challenges in its property policy (construction of Green Hubs and BiodiverCity® offices) and building management. It is mainly based on local actions implemented at Bolloré Logistics sites around the world, raising employee awareness and developing on-site biodiversity as a factor for well-being in the workplace. In the transport and logistics sector, Bolloré Logistics is a pioneer in its integration of this externality.

Strategic driver no. 1: Establish biodiversity as one of the company's environmental concerns

Name of the action	Achievements	Indicators	Dates
Action 1.1: Set up a voluntary in-house Biodiversity Consultation Committee.	Share, pilot and manage the biodiversity strategy and its action plan.	Number of Committee meetings (2 per year). Number of Committee members. Number of active actions in the action plan.	In place Permanent
Action 1.2: Raise employee awareness about biodiversity and the challenges of our environmental footprint.	Plan regular events at selected sites.	Number of in-house «biodiversity» publications. Number of employees trained. Number of on-site events.	In place Permanent
Action 1.3 : Develop biodiversity indicators that will provide information for CSR reports.		Publication of the EN 11 (2018/2019) indicator, pending B4B+ (2020).	2018-2020
Action 1.4 : Identify and promote one or several global community partnerships.	Founding member of the International Biodiversity & Property Council (IBPC).	Number of partnerships. Number of projects with our partners.	In place Permanent

Strategic driver no. 2: Listen to and act on our customers' biodiversity requirements			
Name of the action	Achievements	Indicators	Dates
Action 2.1: Create a biodiversity research cell responsible for intelligence and benchmarking.	Track regulatory changes, feedback, competition benchmarking.	Number of information relayed in-house per year.	In place Permanent
Action 2.2: Promote the Bolloré Logistics biodiversity strategy in sales pitches.		% of sales offers mentioning biodiversity.	In place Permanent
Action 2.3: Invite customers to biodiversity events.		Number of biodiversity events. Number of general events with customer invitations.	In place Permanent
Action 2.4: Identify and promote biodiversity labels or certifications	Development of the Biodiver-City® label for strategic hubs.	Number of labels and other tools analysed per year. Number of awards/prizes won per year.	In place Permanent

Strategic driver no. 3: Make our sites relays for biodiversity, all over the world			
Name of the action	Achievements	Indicators	Dates
Action 3.1: Carry out an inventory of Bolloré Logistics land and real-estate from a biodiversity angle.	Detailed study of 78 priority sites around the world.	% of sites investigated.	Mapping from 2016. Updated every five years.
Action 3.2: Progressively carry out a biodiversity diagnosis of concerned sites.	Create a handbook on principles and best practices to follow for concerned sites.	% of concerned sites investigated.	2019-2022
Action 3.3: Draw up a local action plan for the concerned sites.	Implement local actions to preserve the biodiversity of the sites.	% of concerned sites with an action plan. Number of actions implemented per concerned site.	2019-2022
Action 3.4: Plant interior spaces for the well-being and comfort of employees.	Develop the intangible value of buildings, vegetalise offices.	m ² of offices refurbished according to the new concept.	Action plan handbook for pilot sites.
Action 3.5: Make our flagship projects showcases for biodiversity action plans.	Implementation of a biodiversity project on new sites and logistics hubs with ecological and well-being objectives.	% of new projects with a biodiversity angle.	In place Permanent
Action 3.6: Name a biodiversity representative when a suitable person is identified on a site.	Drive the momentum and follow-up of biodiversity actions.	% of Bolloré Logistics sites with a biodiversity representative.	In place Permanent
Action 3.7: Raise awareness of agencies to develop local partnerships.	Develop consideration for biodiversity and increase employee involvement.	Number of partnerships developed per year. Number of actions with partners per year.	In place Permanent



Philippe BONNAVE
CEO

<https://www.bouygues-construction.com/editorial/responsible-engage>

BOUYGUES CONSTRUCTION'S INDIVIDUAL COMMITMENTS IN *act4nature*

The construction sector is one of the most concerned by the erosion of biodiversity. Buildings, motorways and new neighbourhoods all have many different direct and indirect impacts on the natural habitat. Bouygues Construction, through its many business activities (infrastructure, buildings, energies & services, concessions), is therefore directly confronted with the major problem of deteriorating biodiversity, and is exposed to all forms of biodiversity. However, a new motorway, neighbourhood or building can also, in some cases, help protect and even improve living environments, species and their ecological functions.

In 2011, the group decided to define a clear strategy, to be shared by all its activities, and chose to make biodiversity a driver of sustainable construction.

Following deliberations comprised of three major stages – review, definition of priority issues/aims and drafting of an action plan – overseen and coordinated by biodiversity consultancy Gondwana, the biodiversity strategy and its plan of action were adopted in May 2012 and received National Strategy for Biodiversity (SNB) recognition in 2015 (common commitment 1). The biodiversity initiative, which currently forms part of the 12 pledges of its CSR policy, bolsters the group's practices, particularly with a view to renewing its SNB commitment in 2019.

The initiative has three parts:

1 Innovating and bolstering the group's technical expertise in biodiversity

The group believes that training technical and works teams and raising awareness of biodiversity amongst the greatest possible number of people are key to improving its skills set. Examples of actions implemented in this area are the creation of a network of "Biodiversity ambassadors" and the roll-out in 2018-2019 of a "green space and biodiversity" guide for all works teams. These themes will also be included in in-house training courses by 2019 (common commitment 8).

Furthermore, the group is carrying out its own R&D, for example on green roofs and on the eco-design of marine infrastructure, which has already been applied in ongoing flagship projects such as the Monaco offshore extension. The latter involves the creation of artificial reefs within fragile natural environments and designing concrete blocks that are able to host marine wildlife. This comes on top of the many different measures to protect or relocate species that are sometimes endemic to the site (common commitment 6).

These exceptional projects are made possible thanks to in-house expertise whose main pillars are the ecology engineers of Elan and the specialist environmental expertise department of the civil works division via its Biositiv brand, whose spearhead is the avoid-reduce-offset initiative (common commitment 5).

2 Offering new products and services focused on biodiversity

Bouygues Construction, as a founding member, is actively involved in IBPC (the International Biodiversity and Property Council), which promotes the BiodiverCity label. Promoting this label is a cornerstone of the strategy of the group, which currently has five BiodiverCity-label projects, including the first such project outside France (in Cuba). Several other projects are in the process of obtaining the label. The number of BiodiverCity labels is in fact one of the group's annual performance indicators (common commitments 4, 6). In addition to obtaining BiodiverCity label status for major projects, there is also a determination to significantly increase the number of more modest initiatives with this label. To facilitate this, a new indicator has been introduced to measure the share of building and infrastructure activities where biodiversity measures have been implemented.

Figures for 2018 will show the state of play and will be used to set quantified targets for 2020 (common commitment 3). In terms of the design stage in particular, in order to better factor in all the stakeholders involved in our neighbourhood development projects, a role-playing game has been developed in-house to better organise consultation exercises with future users and therefore helps with the design of neighbourhoods (common commitment 2).

In the Energy & Services activity, a partnership with the non-profit organisation Noé resulted in the creation of a sustainable street lighting offer, which has been rolled out in the northern French city of Valenciennes.

3 Getting involved in collective action with all stakeholders

Via its partnerships, patronage initiatives and involvement in working groups, Bouygues Construction participates in collective action with players such as LPO (the French bird protection league), FNTP (the French national public works federation), Orée and WWF France (common commitments 7 and 9).

There are two objectives:

- To collaborate and share expertise in order to continually improve our practices.
- To work together for an all-round improvement in the sector's skills set.

More specifically, Bouygues Construction is committed to sourcing its timber more responsibly in order to reduce the impact on forests, in cooperation with WWF France,

via a partnership that has been renewed for the 2017-2020 period. LinkCity has underlined its commitment by supporting the international call for action launched by IBPC: the charter for developing urban biodiversity signed on 15 March 2018.



François BERTIÈRE
Chairman and CEO

<https://www.bouygues-immobilier.com/bouygues-immobilier-et-vous/notre-expertise/notre-demarche-developpement-durable>

BOUYGUES IMMOBILIER'S INDIVIDUAL COMMITMENTS IN *act4nature*

For many years Bouygues Immobilier has been committed to protecting biodiversity and integrating wildlife into its urban development projects.

This is mainly to cope with the major environmental challenge posed by urban development, which has been pinpointed as a major factor behind the loss of greenfield sites and the erosion in biodiversity, which are both closely related to climate change. But this is also to satisfy the growing demand for more nature in the city, which is seen as a source of revitalisation, well-being and quality of life by urban populations, particularly via its contribution to strengthening social ties and reducing the urban heat island effect and noise pollution.

A structured and binding initiative

Bouygues Immobilier has put together an initiative that factors in biodiversity at every stage of a property development, based on a "life-cycle" approach. The initiative is divided into 13 different actions, whereby operational staff can address biodiversity-related issues during each one of the phases of our developments, from the design stage to the operational one, in order to:

- assess the chosen site by carrying out upstream diagnostics with ecological engineers
- prevent and mitigate the impact of developments and structures on biodiversity
- design spaces that are favourable to biodiversity and the formation of natural habitats
- draft specifications and guides intended for building users

This initiative can identify all the opportunities available to Bouygues Immobilier to factor in biodiversity and thus help reduce the direct and indirect impacts of a property development project on the existing eco-system.

Expertise recognised by a label

Of course, there are many environmental certifications (BREEAM®, LEED® and HQE®) used by Bouygues Immobilier that address the issue of biodiversity, but these do not specifically assess it. Bouygues Immobilier has pioneered the roll out of the BiodiverCity® label in its property developments.

In the same way as an energy label, BiodiverCity® assesses and displays the performance of buildings in terms of biodiversity according to four major themes: the commitment shown by the project owner, the project, the ecological

potential shown by the plot as assessed by an ecological engineer, and the services provided by nature and the benefits.

Based on a set of precise technical specifications and backed by the International Biodiversity and Property Council (IBPC), it recognises those property developments that best factor in and promote biodiversity within their areas, for the benefit of local residents.

Bouygues Immobilier, which systematically factors the protection of biodiversity into its property development projects, was one of the first sector players to actively roll out this label following its creation in 2014.

At 1 October 2017, 8,224 housing units, either being built or already handed over, were in the process of obtaining the BiodiverCity® label - this figure exceeds the company's initially set target.

Furthermore, in 2017, Bouygues Immobilier was officially awarded three of the first 24 label certificates given by IBPC for the design of its residential units in the Font Pré eco-neighbourhood in Toulon and in Néo-C in Créteil, as well as for its office property project Green Office® Enjoy in Paris Batignolles. This is a great recognition, which bolsters even further a tangible initiative for integrating biodiversity into its projects.

As an active member of IBPC, Bouygues Immobilier also actively participated in the launch of the "BiodiverCity® Aménagement" label, which is being trialled on its Nanterre Cœur Université development.

Finally, in order to encourage the local deployment of actions in favour of biodiversity, and to guide operational staff towards the most suitable solutions, Bouygues Immobilier has signed a nationwide agreement with the French bird protection league (LPO).

Raising awareness about nature in the city

Protecting biodiversity is also achieved by raising awareness about it and encouraging people to assimilate an issue that currently receives eight times less media coverage than climate change. As a result, Bouygues Immobilier has recently renewed its commitment to integrate wildlife into its urban projects and to promote nature in the city experiences by becoming a signatory, from its launch in May 2018, of the Charter for 10 actions in favour of Urban Biodiversity, which is backed by a group of players under the aegis of IBPC.

■ An enlightened approach to urban agriculture

In addition, Bouygues Immobilier has subsidised a major initiative at the Paris Institute of technology for life, food and environmental sciences (AgroParisTech) which aims to provide support to students, over more than one year, for the design and roll-out of an Urban Agriculture strategy. Implemented by agronomy students, under the supervision of recognised research engineers, this initiative has enabled Bouygues Immobilier create a decision-support tool to help integrate urban agriculture (in the widest possible sense) into its property development projects.

Disseminated in 2018 throughout the whole company, this operational guide helps staff choose the most suitable solution according to technical and economic constraints and to the sought-after eco-systemical services.

The creation of this guide has also enabled Bouygues Immobilier to dialogue with many "nature in the city" stakeholders: specialist start-ups, scientists, representatives from the agricultural world and users, in order to design an ever more holistic approach capable of creating solutions for the benefit of all.



**BUREAU
VERITAS**

Didier MICHAUD-DANIEL
CEO

<https://group.bureauveritas.com/group/corporate-social-responsibility>

BUREAU VERITAS' INDIVIDUAL COMMITMENTS IN *act4nature*

Associated to the mobilisation of the French government and large companies for **act4nature**, Bureau Veritas confirms its engagement to act for biodiversity preservation.

Environment protection and biodiversity preservation are both fully part of Bureau Veritas DNA, whose mission consists in verifying the conformity of activities, assets and products with standards related to quality, safety, environment and social responsibility.

Bureau Veritas assists its clients in their projects to be compliant with regulatory requirements and to improve their performance. Thus, with their expertise and their actions towards our clients, the 70 000 experts of Bureau Veritas serve every day large societal challenges, such as environment protection and biodiversity preservation.

In parallel, Bureau Veritas is committed to implementing other actions demonstrating its engagement to act efficiently to reduce its direct and indirect impacts:

■ Raise Bureau Veritas clients' awareness to the importance of environment protection and biodiversity preservation, providing them technical assistance, inspection and certification services.

A guide of Bureau Veritas, presenting the environment for regulations and standards, and also the CSR services will be created and widely distributed to our clients to help them protect environment and biodiversity.

Execution period: June – December 2018
Linked to common engagements: 1 and 2

■ Raise Bureau Veritas suppliers' awareness to the importance biodiversity preservation and more extensively to reduce their environmental impact. A Supplier code of sustainability will be created and distributed to all suppliers, with a specific focus on biodiversity protection.

Execution period: October 2018 – June 2019
Linked to common engagements: 2 and 4

■ Inform and train Bureau Veritas employees to the importance of environment protection and biodiversity preservation. Launch a communication campaign, with an internal contest proposing employees to share their personal actions on this topic.

Execution period: January – March 2019
Linked to common engagement: 8

■ Add biodiversity preservation to our company values. Take advantage of this change to communicate on these values and to remind all employees our values' importance within our mission.

Execution period: January – March 2019
Linked to common engagements: 1 and 2

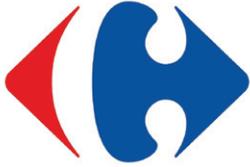
■ Contribute to biodiversity preservation by reducing our environmental impacts (CO₂ emissions, water consumption and waste). A half-year follow-up will be put in place and communicated to Bureau Veritas Executive Leadership Team.

Execution period: January – December 2019
Linked to common engagement: 5

■ Participate in World Environment Days involving all our employees through a large contest, whose results will be widely communicated.

Execution period: January – June 2019
Linked to common engagements: 8 and 9





Alexandre BOMPARD
CEO

<http://www.carrefour.com/content/protecting-biodiversity>

CARREFOUR'S INDIVIDUAL COMMITMENTS IN *act4nature*

Protecting biodiversity is vital for feeding the world of tomorrow: we need thousands of species and varieties in order to maintain a safe and diverse diet. More broadly, thanks to the benefits it provides, biodiversity is a prerequisite for social development. In the UN Sustainable Development Goals, biodiversity loss is singled out as one of the major challenges facing humanity, along with climate change. Carrefour depends on biodiversity to offer all consumers a healthy, high-quality and varied diet. And consumers today, along with our partners in the agricultural industry and the community at large, expect us to protect biodiversity. Carrefour has set a goal of becoming the leader of the food transition for everyone. Protecting biodiversity is essential to achieving that ambition, and we want to take action in any way we can in order to play a positive role. Species decline, resistance to antibiotics, growth in genetically modified organisms, quality organic production, efforts to stop deforestation: these issues – all interconnected – are at the heart of our concerns.

In order to fulfil our ambition, Carrefour has defined four priorities for action within its business operations: developing sustainable agriculture, protecting marine resources, preserving forests and safeguarding day-to-day biodiversity. Carrefour will be helping to meet those collective challenges in collaboration with its partners and stakeholders.

■ Developing agroecology and organic farming (Common Commitment #1)

Through the more than 2,000 organic food products and 464 Carrefour Quality Lines products on its store shelves, Carrefour is helping the farming industry move towards practices that are positive for biodiversity, animal well-being and consumer health.

The group's sales of organic products have already doubled in just three years, totalling €1.3 billion in 2017.

Carrefour and its partner producers are using the agroecology model to innovate with Carrefour Quality Lines, by drawing on the services provided by nature to enhance production. In 2016 Carrefour introduced the first strawberries grown without synthetic pesticides after flowering. There have been numerous additional innovations since that time, including the first potatoes grown without synthetic pesticides after the initial sprouts, Spanish oranges grown without chemical pesticides after flowering and herbicide-free broccoli and cauliflower.

Objective 1:

Make organic food accessible to a wider consumer base, increase sales of organic products to €5 billion by 2022

(compared to €1.3 billion in 2017), and provide support to producers converting to organic farming in collaboration with WWF France.

(Common Commitments #4, 6 and 9)

Objective 2:

Introduce an agroecology plan in 2018 and source 20% of products through Carrefour supply chains by 2020 in France. This plan will be developed in collaboration with our suppliers and other stakeholders, who came together previously for our forum on agroecology solutions in 2017. Its main components will be the introduction of mandatory quality requirements (no chemical treatments after harvesting, etc.), progress plans developed with our suppliers and contract terms and conditions that acknowledge innovations by producers (long-term contracts and terms governing pricing and volumes). To hasten the transition, the plan will eventually include new training programmes, pilot testing in the field, opportunities for producers to share practices and new ideas to boost innovation, product lines developed jointly with our customers and innovative new financing solutions.

(Common Commitments #2, 4, 6 and 8)

■ Offer seafood products that preserve our marine resources

(Common Commitments #1, 2, 3, 4 and 5)

Carrefour sells seafood products through its traditional fresh fish counters (850 in France), and offers Carrefour-brand canned, frozen and fresh seafood. To ensure its seafood offerings are sustainable, in 2016 Carrefour developed a responsible fishing policy with its stakeholders.

This policy consists of:

- Giving preference to:
 - abundant species based on lists provided by our partners (WWF and Ethic Ocean),
 - sustainable fishing products that are MSC-certified or for which certification is in-progress (third-party verified fishery improvement projects), along with fishing methods that have less of an impact on the environment, such as pole-and-line fishing;
- Suspending the sale of endangered species;
- Expanding responsible aquaculture:
 - selecting fish farms that have adopted best practices: non-GMO feed (traceable FCQ product lines) and/or farms that are antibiotic-free,
 - giving preference to ASC-certified responsible aquaculture products;

- Supporting sustainable local fishing through partnerships with local organisations;
- Showcasing the diversity of seafood products;
- Promoting initiatives to combat illegal fishing.

Objective 3:

Ensure that half of all fish sold at Carrefour seafood counters and in its own-brand frozen fish products is responsibly sourced by 2020, and offer the widest selection of sustainably fished seafood products.

The products resulting from our responsible fishing initiative have been developed jointly with our dedicated group of stakeholders (four NGOs and three suppliers). They include products bearing labels recognised by Carrefour (such as MSC certification) or fished using lower-impact fishing techniques, traceable Carrefour Quality Lines products and products from species selected jointly with NGOs.

Enlist the support of our customers and protect day-to-day biodiversity

(Common Commitments #1, 3, 8 and 9)

Bees are an iconic example of day-to-day biodiversity and its essential role in a diverse food supply. Carrefour is conducting a campaign to install rooftop-beehives at stores to get customers involved in preserving ecosystems as well as to incorporate biodiversity into its sites. Nearly 210 beehives have been established at Carrefour stores, warehouses and corporate offices across Belgium, France and Poland.

The group is supporting the growth of apiculture by promoting the sale of local and domestic honeys in its stores. In addition, Carrefour Quality Lines producers set aside specific areas for apiculture and ban certain pesticides from their farm operations.

Objective 4:

Follow up on the launch of the first pollinator plan in France in 2017 by continuing to establish pollinator plans in all group countries by 2020. The pollinator plans will be developed in partnership with the environmental organisation Noé Conservation. They include support for local beekeeping industries (aid to help young beekeepers get started, sale of local honeys in stores, development of suburban apiculture) and pollinator protection requirements for producers who supply Carrefour Quality Lines plant and animal products.

Protect forests through more sustainable farm production

(Common Commitments #1, 2, 3, 4, 5 and 7)

Carrefour is pledging to combat deforestation by offering its customers forest-friendly products and solutions by 2020. Numerous products are connected with forest health, including paper and wood products but also products that are part of our daily diet and even personal care products whose ingredients may contribute to deforestation. Carrefour purchases four raw materials – beef, soya, wood and paper products and palm oil – that are associated with deforestation and is targeting those products for priority action as part of its desire to help preserve our forests.

Objective 5:

Reach 100% compliance with our sustainable forests policy by 2020 with regard to 10 priority categories of products made from wood and paper (initiative launched in 2017).

Objective 6:

Ensure that 100% of fresh Brazilian beef sold in Carrefour stores in Brazil is georeferenced beginning in 2018, to reduce the risk of deforestation tied to beef production (initiative launched in 2016).

Objective 7:

Ensure that 100% of the palm oil used in Carrefour-brand products complies with RSPO principles and criteria and additional criteria by 2020, and expand product lines with physical traceability (initiative launched in 2010).

Objective 8:

Draw on a range of solutions to reduce the adverse impact of soya production on ecosystems within our purchasing supply chain by 2020 (initiative launched in 2017).

Those solutions include ensuring the physical and geographical traceability of the products we purchase, developing regional strategies and local alternatives, establishing certification programmes and signing collective agreements, such as the one imposing a moratorium on soya farming.

Collaboration and performance tracking and evaluation:

In accordance with Common Commitments #2 and 9, all of Carrefour's biodiversity objectives are being established in cooperation with the group's partners and stakeholders, through panels tasked with addressing specific topics. Carrefour has hosted forums that include customers, suppliers, NGOs, industry experts and government representatives to discuss topics such as biodiversity (2014), sustainable fishing (2015), apiculture (2016), agroecology (2016 and 2017) and animal well-being (2017).

In some cases, working groups are appointed to monitor the progress of action plans and collectively identify new solutions.

In accordance with Common Commitments #3 and 10, those objectives are monitored and evaluated using key performance indicators that are published in our annual non-financial report. A CSR index summarising those objectives has been established to oversee their implementation.

CEMEX'S COMMITMENTS TO BIODIVERSITY IN *act4nature*

Cemex is one of the France's ready mix concrete and aggregates leading producers. In line with its mission to meet its customers' construction materials needs, Cemex balances economic imperatives with environmental and societal ambition in its sustainable development policy.

Since establishing the first partnerships with wildlife protection agencies in the early 1990s, protecting biodiversity has been a key challenge for Cemex. Regardless of where a quarry is in its life cycle (i.e. before, during or after operation), biodiversity is present and can take root at production sites. Operations may disrupt, or favour a biodiversity that is often remarkable, through the creation of pioneer environments and the ecological conversion of used quarries. Cemex therefore wants to ensure that its operating methods are compatible with protecting biodiversity. Regardless of their location, concrete production units can also contribute to supporting biodiversity. In or near urban areas, they can be incorporated within the green and blue belt. Protecting biodiversity is now a core part of Cemex's strategy, as evidenced by the company's many initiatives and partnerships aimed at protecting natural heritage, but also in Cemex's many undertakings in this area, in particular within the industry association.

In keeping with its commitment of over twenty years' standing, Cemex decided in May 2011 to be among the first companies to sign up to the National Strategy for Biodiversity (NSB) and, in July 2012, to officially commit to the strategy through a package of measures to promote biodiversity.

As part of the *act4nature*, initiative, Cemex is renewing its commitment with a series of measures:

- covering all of its operations and sites in France,
- to be implemented between 2018 and 2020.

These measures were designed following a review of Cemex's existing links with biodiversity and of the wider developments in this area, and an evaluation of actions already undertaken.

These measures represent a commitment by Cemex that goes far beyond regulatory requirements, and is based on four key strands:

- Strand 1** Upskilling and empowering teams to take action
- Strand 2** Promoting biodiversity at Cemex sites
- Strand 3** Expanding our scope for action and engaging with other local and regional stakeholders
- Strand 4** Promoting awareness

To ensure that the programme is implemented and monitored effectively, Cemex has incorporated the programme within its existing sustainable development management and environmental systems. These systems are overseen by management and are regularly assessed by external auditors in accordance with standards ISO 26000 and ISO 14001.

Cemex's package of measures addresses all primary strategic policies of the NSB.

In particular, it addresses the following four policy approaches:

- Incentivising action in favour of biodiversity
- Protecting wildlife and its evolution potential
- Ensuring sustainable and fair use of biodiversity
- Building, sharing and promoting knowledge

Our commitment is aimed at achieving 10 key objectives by 2020:

Objective 1:

Educating decision-makers about the issues and possible policy actions

Objective 2:

Engaging and involving all staff

Objective 3:

Developing systems that can optimally incorporate biodiversity in our activities

Objective 4:

Exploiting opportunities for biodiversity that are presented at our sites

Objective 5:

Enriching local biodiversity by redeveloping our quarry sites

Objective 6:

Building partnerships in favour of biodiversity

Objective 7:

Sharing our expertise with local and regional stakeholders

Objective 8:

Promoting awareness about biodiversity among those based close to our sites

Objective 9:

Building knowledge about existing biodiversity at quarry sites

Objective 10:

Making our sites and capabilities available for scientific studies

All of these objectives will be in support of ongoing or upcoming initiatives (e.g. CEMEX-LPO partnership, ROSELIERE programme, partnership with 29 local biodiversity associations).

The table below gives examples of actions that Cemex has undertaken to implement by 2020.

Cemex objective	Description of the measure	2020 targets	act4nature joint commitments
1 Educating decision-makers about the issues and possible policy actions.	Continue and complete training of operations managers with respect to practices to protect biodiversity at our operations sites.	- Training delivered to 100% of quarry managers. - Training delivered to 100% of concrete product site managers engaged with the LPO.	1-4-8
2 Engaging and involving all staff.	Continue with the "Refuge LPO" certification initiative at Cemex's national head office.	Renewal of the "Refuge LPO" certification at Cemex's national head office.	8
3 Developing systems that can optimally incorporate biodiversity in our activities.	Establish and implement biodiversity action plans at all quarries facing issues with biodiversity.	60% of Cemex quarries with a biodiversity action plan.	1-3-5
4 Exploiting opportunities for biodiversity that are presented at our sites.	Promoting biodiversity at our concrete production units by adding dedicated features (e.g. planting hedgerows, flower meadows, etc.) with the support of the LPO.	100% of concrete sites engaged in the "Cemex Concrete for biodiversity" initiative at a minimum of one site.	1-3-8
5 Enriching local biodiversity by redeveloping our quarry sites.	Ensure that our agriculture developments are more favourable to biodiversity and support farmers in adopting environmentally friendly farming practices.	Training delivered to 100% of environmental and estates staff in this area.	6-8-9
6 Building partnerships in favour of biodiversity.	Maintain and build on existing partnerships with local conservation and biodiversity protection groups (e.g. associations, federations, conservation groups, etc.).	Sustain at least 29 local partnerships.	2-9-10
7 Sharing our expertise with local and regional stakeholders.	Active involvement with the Building and Biodiversity Urban Planning group (U2B) run by the LPO.	Cemex attendance at four meetings annually.	1-2-4-6-9
8 Promoting awareness about biodiversity among stakeholders based close to our sites.	More frequent hosting of school groups at our sites and developing educational approaches to biodiversity.	One school visit per aggregates site annually.	2-10
9 Building knowledge about existing biodiversity at quarry sites.	Continue implementation of the scientific monitoring programme at our quarries (ROSELIÈRE programme) to define and track biodiversity indicators.	Implementation of the ROSELIÈRE programme at 15 quarries.	3-7-9
10 Make our sites and capabilities available for scientific studies.	Participate in National Aggregate Producers Union (UNPG) studies on biodiversity by suggesting trial sites and actively contributing to dedicated working groups.	Forwarding Cemex data on nesting of sand martins in quarries to UNPG.	3-5-7

Guillaume REVEILHAC
Chairman and CEO

<https://www.cerelia.com/fr/engagement-de-cerelia/>

CÉRÉLIA'S INDIVIDUAL COMMITMENTS IN *act4nature*

Our young company now employs more than 1,500 people. This implies a great deal of responsibility. Not only to those directly involved, such as our employees, suppliers and customers, but also to the entire value chain. This is why we are bringing together our strengths and resources, so that corporate social responsibility becomes part of the heart and soul of our group.

Based on our belief that sustainable development can succeed if focus is balanced between environmental/biodiversity, economic and social aspects, we developed our 2017-2025 strategic plan for sustainable development around 4 areas of actions:

- Producing responsibly and sustainably, taking constant care to reduce and recover waste and improve methods to limit the use of non-renewable resources;
- Innovating to develop our activities, contributing to the improvement of our partners' economic and environmental performance;
- Fostering burgeoning talent among our employees so that they may become agents of change;
- Contributing to a responsible, sustainable and participative economy.

We wanted our objectives to be shared by our employees and to be in accordance with their vision. This allows employees to translate and implement the SD strategy in their daily work, to take ownership of these actions, to put forward ideas and support initiatives.

We consider that through our supply chains, we have the opportunity to respond to environmental and biodiversity challenges.

We aim to use responsible and sustainable cultivation methods throughout our supply chains, which help preserve biodiversity.

For our paper and cardboard packaging, we offset our impact by purchasing FSC-certified materials from sustainably managed forests. To date, this represents more than 5,000T, and we are doing our utmost to achieve our goal of zero deforestation by 2020 at the latest in this category.

We are working on and involving our partners/suppliers in the production methods of our flours/wheats, and the identification of existing approaches, in order to develop and promote them.

These approaches are based on reasoned agriculture, agroecology, and organic farming.

We have developed a wide range of products whose raw materials are derived from organic farming (2,400T of AB certified pasta).

We are developing wheat sectors whose major axes are:

■ Plant cover for the soil. By binding carbon, plants form the basis of energy exchanges in our ecosystems. Maximising both their presence throughout the year, and the biomass produced and returned to the soil, helps to maintain soil fertility and encourage biodiversity (plant cover with delayed destruction, double cropping, associated cropping, relay cropping, sowing under cover, full crop residue restitution, etc.).

■ Tillage that respects soil structure and maintains the populations of various micro-organisms and animals in the soil horizons.

■ Reducing chemical use. No prohibition on the use of chemicals and crop protection products, but researching ways to reduce it. Whenever possible, and with the aim of continuous improvement, it is important to replace them with biological regulatory processes or bioproducts that have a lower impact on health, the environment and biodiversity.

■ Increasing biodiversity so as to promote biological regulation mechanisms and thus reduce the use of crop protection products. This supposes nurturing biodiversity through an array of methods, from reducing disturbances and maintaining habitats and ecological niches, to restoring biomass on the ground, hedges, grass strips around water points, flower beds, etc.

Cérélia is working on developing these recipes to promote the use of raw materials from crops that benefit the environment, such as flax, lucerne, field beans, etc., the advantage of these crops being that they help to increase biodiversity. Thanks to these crops, there will be fewer nitrogen fertilisers and crop protection products in crop rotation cycles and therefore in our food chains.

100% of imported raw materials, palm oil and cocoa, are certified.

In December 2015, Cérélia created the Earth & People endowment fund. It promotes supply chains of raw materials, including palm oil, which respect the environment and the lives of local actors.

Earth & People also supports a sustainable palm oil production in south-western Côte d'Ivoire by:

- Helping to develop the Ivorian sustainable palm oil sector by working on production conditions. Providing training in good agricultural practices whose objective is to

help small producers to improve the yields of their orchards, increasing their income without the need to expand current plantations. Forests and forest clearings are therefore preserved, as is the biodiversity they represent.

- Protecting the environment.

- Improving living conditions for oil palm communities and producers, by supporting health, social and educational projects.

Jean-Marc JUNON
Chairman and CEO Ciments Calcia & GSM
CEO HeidelbergCement France

<https://www.ciments-calcia.fr/fr/innovation/nos-engagements/environnement/biodiversite>
<https://www.gsm-granulats.fr/fr/nos-engagements/environnement/carrieres-et-biodiversite>

CIMENTS CALCIA AND GSM'S INDIVIDUAL COMMITMENTS IN *act4nature*

The commitment made by Ciments Calcia and GSM, branches of the HeidelbergCement group, to promote biodiversity, has now been part of an active partnership with the French IUCN (International Union for the Conservation of Nature) Committee for ten years. This innovative partnership was the first to be concluded by the French Committee of the IUCN with an industrial group. This commitment is also in line with the group's ambition to promote biodiversity and its global partnership with BirdLife.

Ciments Calcia and GSM, a major player in the cement industry and aggregate production respectively, are aware of the close link between their activities (exploitation of non-renewable natural resources extracted from the quarry, use of fossil fuels in cement production) and their significant direct and indirect effects on the environment and the species. Awareness and preservation of biodiversity on their extraction sites is a strategic focus that has long been part

of their Environmental Policy. The essence is, therefore, to implement this policy and ensure it is respected in a network of around a hundred quarries distributed throughout France.

Strongly encouraged by their partner, the French Committee of the IUCN, Ciments Calcia and GSM answered a call launched by the French government in 2011 under the new National Strategy for Biodiversity (SNB).

At the end of 2012, Ciments Calcia and GSM's commitments were recognised. They have a shared commitment, which consists of structuring and harmonising the company's campaigns to promote biodiversity within a Biodiversity Management System (SMBio), thereby introducing it in a more general and permanent manner across the sites. When developing the SMBio, Ciments Calcia and GSM relied on their experience, acquired through the development of their Environment Management System, of which the first sites were certified ISO 14001 at the end of the 1990s.



During the initial commitment, Ciments Calcia and GSM identified 33 primary sites according to ecological and territorial criteria. Today, the SMBio has been rolled out on more than two thirds of their sites, of which there are 70 in total. The remaining sites are scheduled for between now and the end of 2019. The SMBio is now seen as having a separate purpose entirely from Ciments Calcia and GSM's Environment Management System. The campaigns are fully integrated into the operational teams' environmental assignments, which ensures they are carried out more effectively. With support from the French Committee of the IUCN, a set of national and local objectives has been drawn up in relation to the strategic directions and objectives of the SNB.

The main objectives to be implemented between now and 2019 are as follows:

- 1** Promote the sharing of good biodiversity practices: Fill in the Good Practices sheet using examples from the sites to promote the sharing of ideas and experiences relating to biodiversity (arrangements, practices, behaviours, etc.) between the sites. Apply the good practices to the sites (2017-2019 period, focus on invasive alien species, for example).
- 2** Strengthen local biodiversity partnerships: the aim is for all sites to have one or more partner organisations to advise them.
- 3** Develop the company's/employees' awareness about biodiversity: organisation of an annual internal biodiversity campaign on each cement site and each GSM sector, as well as at the headquarters.
- 4** Improve information on biodiversity with external stakeholders: a biodiversity chapter has been added to the consultation committees.
- 5** Put together a programme, validated by the French Committee of the IUCN, to fight invasive alien species: identify invasive alien species on the sites, assist the sites with setting up training sessions.

- 6** Make standardised and reproducible ecological monitoring systematic across all sites: 100% of the high-value biodiversity sites shall benefit from the monitoring of at least one species.
- 7** Maintain a high level of company commitment to industry work on biodiversity: regular participation in biodiversity working groups organised by the French Cement Industry Trade Union (SFIC) and the National Union of Aggregates Producers (UNPG).

The company's Management Committee meets at least once a year to follow, assess and revise, if necessary, these objectives and the associated actions. This annual assessment reports on the analysis and consolidation of all of the local campaigns. A global assessment will be carried out at the end of 2019 at the close of the second period to set new primary objectives for the upcoming 2020-2022 period. Furthermore, work focus-based perspectives are already being considered (wider integration of biodiversity into their value chain, innovation using solutions founded in nature, better anticipation and avoidance, etc.). Additionally, objectives related to awareness, the development of partnerships, standardised monitoring, as well as information sharing with stakeholders are historic objectives that will continue to be upheld and included in local campaigns.

Communication, both internal and intended for external stakeholders, plays a vital role. Discussions take place regularly, notably during on-site consultation committees, with the French Committee of the IUCN, the French Biodiversity Agency or the Ministry for an Ecological and Solidary Transition.

Ciments Calcia and GSM's general managements support this project, which is part of their Environmental Policy. The Ciments Calcia/GSM Environmental Department coordinates the deployment of the SMBio and entrusts the action plans to each Headquarters Director, Plant Manager and Regional Manager and ensures that this plan is understood, implemented and upheld by all management teams and establishments concerned, at all levels.

Henri GISCARD D'ESTAING
CEO

<http://http://sustainability.clubmed/>

CLUB MED'S INDIVIDUAL COMMITMENTS IN *act4nature*

Club Med is the world leader in premium all-inclusive holidays, with French know-how, for families and couples. Present in some 30 countries on 5 continents, Club Med operates nearly 70 Villages in some of the most beautiful sites in the world, employing more than 25,000 GOs and GEs of 105 different nationalities.

Because access to a preserved natural environment lies at the Club's very origins, it has always striven to protect the marvellous sites that are home to its Villages. Since 2005, through its sustainable development programme, it has been committed to the goal of continuing to lead the way to a more sustainable – and therefore more desirable – tourism. Club Med is committed at group level to maintaining the actions already carried out in favour of biodiversity and to integrating it even more closely into its strategy and business model, in keeping with the growing challenges.

When building Resorts, Club Med undertakes to:

- 1** Continue to reduce the impact of the Resorts on biodiversity by following the recommendations of Club Med's Eco-standards for construction, including preserving existing vegetation in worksites, designing green spaces with respect for habitats and fauna, and giving priority to local species and endemic trees.
- 2** Eco-certify the construction of all new projects as of 2018 and integrate the requirements of biodiversity certification into: the assessment of ecological impacts, the reparation of possible disruption to vegetation and habitats, and the differentiated management of green spaces, keeping a significant proportion of spaces in their natural state.
- 3** Systematically consider plant filtration for Club Med wastewater treatment plants (already in place in 3 Resorts) or for pool water filtration (already in place in 2 Resorts).

When operating Resorts, Club Med undertakes to:

- 1** Obtain Green Globe certification for the operation of all Club Med Resorts by 2020 (in 2018, 77% already have it), satisfying the criteria for the protection of biodiversity and ecosystems. The requirements relate to: responsible interaction with local wildlife, the absence of animals in captivity; limited noise and light pollution; organic or eco-labelled procurement; developing responsible catering and maintaining purchases in accordance with our sustainable fishing charter, and encouraging partnerships to conserve biodiversity.
- 2** Develop partnerships with associations and organisations working locally to protect biodiversity (target of 50% of Resorts by 2021).
The aim is to support them financially in their mission, but also to make customers aware of the fragility of ecosystems, or to train staff in the preservation of endangered species. To date, a third of Club Med Resorts have established a local partnership, for example with the Vanoise and Écrins National Parks in France, the French League for the Protection of Birds, the Marrakech Palm Grove Observatory in Morocco, MOm (protection of the monk seal) in Greece, the Mauritius Wildlife Foundation, and the Turtle Sanctuary in Malaysia.
- 3** Continue to engage with expert stakeholders and build relationships to address specific issues such as the responsible approach to free-swimming cetaceans with the World Cetacean Alliance, auditing elephant camps with ABTA, combating beach erosion and developing coastal areas in an ecosystem-friendly way.
- 4** Promote the development of agro-ecology through our partnership with Agrisud near 6 new Resorts by 2021. This partnership, set up in 2008, aims to identify local producers, taking them out of a position of economic insecurity, making them able to supply Club Med Resorts, and guiding them towards a more sustainable and profitable use of their land, based on agro-ecological principles. In 2017, 470 Very Small Enterprises were supported in four countries.

5 Eliminate disposable plastic by 2021 with the "bye-bye plastic" programme. As a partner of Expédition MED, which fights plastic pollution in the sea, since its inception, Club Med has been eliminating balloons for several years and is now working to gradually eliminate and replace all plastic consumables (straws, cutlery, bags, cups, etc.).

6 Continue to combat food waste by building on its detailed experience of buffet catering, on team training, on customer awareness, and on food waste monitoring tools such as Winnow.

7 Continue to raise awareness among our staff and guests. Our employees are sensitised as part of the general training on Green Globe certification, which is aimed at 100% of our Resorts, but also more specifically thanks to training in precise topics such as the preservation of marine turtles, how to control the mosquito population without damaging biodiversity, and safeguarding animal welfare in tourist activities involving animals.

Club Med considers that it also has a duty to educate its customers. It meets this responsibility through its "Happy to Care" eco-behaviour programme, by providing information on the exceptional fauna and flora to be found at our Resorts, and by offering nature activities and fun awareness activities.

8 Track indicators and continue to publish them in the CSR report, such as: the percentage of built area (7%), the average share of surface area left in the natural state (58%) or the percentage of Resorts that do not use outdoor pesticides (61%).





Emmanuel FABER
CEO

http://corporate.danone.fr/uploads/tx_bidanonepublications/DanoneAct_doc.reference.pdf

DANONE'S INDIVIDUAL COMMITMENTS IN *act4nature*

At Danone, we believe that a healthy diet must come from a healthy planet. Today, this conviction is embodied in our "Danone #One Planet - One Health" motto, with agriculture and animal and plant biodiversity at the heart of this issue.

Agricultural practices from the Green Revolution of the 1960s have led to the increased production of a limited number of seed varieties or animal species, land degradation and the increased use of chemicals. These practices have dangerously threatened the planet's animal and plant biodiversity. Today, biodiversity preservation has become a major issue along with the fight against climate change. Experts say that given the current rate of extinction, half of the existing species could disappear within a century. Natural habitats are weakened or destroyed because of human activities: 60% of the natural habitats worldwide have been degraded in the last 50 years and nearly 70% are being exploited beyond their capacity, such as forest environments.

At Danone, we are convinced that the protection of biodiversity is a major challenge in terms of protecting natural ecosystems and the sustainability of our activities.

This is why Danone is committed to protecting biodiversity through the following actions:

- Fighting against deforestation;
- Promoting agricultural practices that preserve animal and plant biodiversity along the supply chain;
- Protection of biodiversity on our sites and employee awareness.

1 Zero deforestation in 2020

In 2012, Danone committed to eliminating deforestation from its supply chain activities by 2020. Danone is a signatory of the New York Declaration on Forests and the Cerrado Manifesto for the protection of the Cerrado in Brazil. Danone also participates in various initiatives such as the Roundtable on Sustainable Palm Oil (RSPO) and is a member of the Palm Oil Initiative Group (POIG); initiatives that are dedicated to fighting deforestation

Danone is therefore committed to using segregated RSPO certified palm oil to ensure sustainable forest management. This was the case for 97% of Danone's purchases at the end of 2017. Likewise, for soy, Danone promotes the use of locally sourced soybeans in specific countries in order to

limit the purchase of soybeans from areas that are at risk of deforestation. Finally, Danone encourages the use of recycled paper or FSC-certified paper to protect forests.

✓ To summarise our commitment:

Zero deforestation by 2020 for our main raw materials at risk: palm oil, soybean, cane sugar and paper, which contributes significantly to the protection of the animal and plant biodiversity of forests around the world.

2 Promoting agricultural practices that preserve animal and plant biodiversity along the supply chain through regenerative agriculture by 2030

In agreement with its partners, and first and foremost with the farmers, Danone encourages practices that protect animal and plant biodiversity. This includes practices such as crop rotation, the development of hedgerow intercropping and other buffer zones, agroforestry practices and the limited use of chemical products (herbicides, pesticides, etc.).

These practices are encouraged within the context of national action plans that take into account the pedo-climatic conditions of each region. For example, in the United States in 2016 and in France in 2018, Danone took actions towards regenerative agriculture and the protection of biodiversity through the promotion of crop rotation, the reduction of ploughing and the limited use of chemicals in order to preserve plant and animal biodiversity in soils and fields. In France, this regenerative agriculture initiative is known as the Danone Act. The initiative provides increased support for the agriculture transition with an estimated €5 million of funding for the dairy sectors, as well as for fruits and vegetables. In the United States, the initiative promotes a GMO-free animal feed sector for products certified according to the Non-GMO Project.

✓ To summarise our commitment:

Develop regenerative agriculture in cooperation with the organic and conventional farmers we work with to apply practices such as crop rotation, hedgerow intercropping, the limited use of chemicals and reduced tillage, with the aim of supporting the protection of biodiversity in our main areas of activities.

3 Protection of biodiversity on our sites and employee awareness

As part of our commitment to the preservation of biodiversity, Danone is dedicated to continually raising the awareness of all of its employees. In France, several initiatives encourage awareness and concrete actions.

In partnership with the LPO (Bird Protection League), the Volvic site implemented a programme to protect the threatened Red Kite bird species. Since 2005, the Red Kite population has been monitored in the Massif Central region of France. One of the actions carried out by Volvic and with the help of six volunteer employees was the creation of a feeding station, which regularly provides meat for the Red Kites. Volvic was awarded by the Ministry of the Environment with a patronage award for its involvement in the protection of this species.

Similarly, Danone aims to raise awareness among its employees through the installation of bee hives on some of its sites:

- in catchment areas to promote biodiversity and support the development of fauna and flora, and
- near the Villecomtal dairy farm to teach employees about the protection of pollinators.

The same type of approach is also being employed abroad. For example, in the Andes region in Argentina, the Villavicencio brand built a natural reserve to preserve the natural mineral water sources. Villavicencio established an innovative partnership with the NGO Banco de Bosques and the Deja tu Huella initiative (Leave your footprint), which allows consumers to participate in the creation of a new nature reserve: for each bottle purchased, Villavicencio is committed to protecting 1 m² of natural habitats.

✓ To summarise our commitment:

Development of projects in France and abroad that are located near Danone sites and with the participation of employees in order to raise awareness of biodiversity issues.

To conclude, at Danone, we believe that the consumer also has an important role to play in promoting and preserving biodiversity. "At Danone, we believe that each time we eat and drink, we can vote for the world we want to live in." To this end, Danone is committed to ensuring transparency in our interactions with consumers by indicating, for example in our US sectors, "with or without GMOs". Similar actions are demonstrated in France by raising consumer awareness on the protection of pollinators through a partnership with Bledina - BeeFriendly and by promoting food diversity through our many brands such as Bledina, so that children can discover new fruits and vegetables.



DS AVOCATS' INDIVIDUAL COMMITMENTS IN *act4nature*

Founded in 1972 and made up of nearly 300 lawyers, DS is a French law firm that intends to pursue its development in a responsible manner contributing to environmental protection.

In this respect, we strongly believe that the social and environmental commitment of economic players should not be limited to industrial and real estate companies. Service-sector companies, such as law firms, have an impact on the environment and biodiversity that can be attenuated.

For example, the absence of a paper management policy is a significant source of paper waste, leading to the destruction of wooded areas and biodiversity.

Wanting to "do its part", DS Avocats intends to contribute to collective efforts. Thus, the protection and promotion of biodiversity is fully integrated into the firm's civic-minded approach and its CSR commitment, reflected in part by the following actions that have already been implemented:

- Accession to the United Nations Global Compact;
- Operates in High Environmental Quality renovated building with an Effinergie label;
- ISO 9001 certification;
- Silver recognition from EcoVadis for the firm's CSR evaluation program;
- COFRAC certification as an Independent Third Party (ITP) in charge of verifying companies' non-financial performance reporting;
- Activity Report that includes a Sustainable Development Report;
- HSE Signature blog (Hygiene, Health, Safety, Energy and Environment).

DS Avocats being in the service sector, our impact on biodiversity mostly results from daily operations, which are therefore addressed by the individual commitments listed below.

DS avocats' individual commitments involve the following measures.

■ Measuring our impact and promoting biodiversity:

- Native plants are favoured in our indoor garden.
- Pesticides are not used to maintain our indoor garden.
- We are looking into the appropriateness of installing bee hives.
- Rainwater collection for watering our garden, programmed to operate at night to avoid evaporation during hot spells.

■ Maintaining our servers in a green data centre:

- We continue to use our green data centre.
- Aware of the energy-consuming nature of data centres, DS Avocats has chosen to use a so-called "green" data centre.
- This data centre houses a climate change arboretum, an experimental lab for the future biodiversity of our territory, managed in partnership with the French National Institute for Agricultural Research (INRA) and the Société Forestière.
This plant laboratory is heated by the excess heat released by the building. The data centre implements innovative solutions (fuel cells, white roof, eco-construction, etc.) to minimise its ecological footprint as much as possible.

■ Continuing efforts to rein in energy consumption:

- Our workstations and rooms are programmed to automatically fall on standby mode.
- Lighting of common areas controlled by BMS time programming or timers.
- LED lighting of the reception area and hallways.
- Air circulation units with heat recovery impeller.
- Production of space heating and cooling by air/water heat pumps.

■ Making responsible purchases:

- We favour recycled paper.
- We favour recyclable and refillable toner cartridges.

■ Communicating good internal practices:

- We disseminate a guide on good environmental practices to all our employees.
- We disseminate a teamwork memoranda guide, which makes it possible to optimise research and thus spend less time on the Internet and print less.

■ Educating its stakeholders on issues related to loss of biodiversity, DS undertakes to address these issues through its involvement with organisations committed to sustainable development and biodiversity:

- *Commissions spécialisées de l'Ordre des Avocats de Paris*, chaired by DS Avocats partners. The firm organises training and/or meetings for lawyers, magistrates, real estate stakeholders and industrialists on legal and societal issues. These meetings are widely distributed to 26,000 lawyers in Paris and civil society as a whole;
- **ORÉE**, chaired by a DS Avocats partner: brings together companies and local authorities in order to share their best environmental practices on a territorial scale on the themes of climate change, biodiversity, circular economy and CSR;

- **AFILOG**, chaired by a DS Avocats partner, its Sustainable Development Commission comprises stakeholders in logistics;

- **LIFTI**, Laboratory of Innovative Land and Territorial Initiatives: DS Avocats is a founding member of this organisation and a DS Avocats partner is its Vice President. It is a foundation comprising public and private stakeholders involved in land conversion issues;

- **Club des avocats environnementalistes** chaired by a DS Avocats partner, Association Française des Docteurs en Droit (AFDD), Société Française pour le Droit de l'Environnement (SFDE): associations for environmental lawyers and Doctors of Law monitoring environmental cases and current legal issues.

DS Avocats is proud and eager to be involved with **act4nature** and is convinced that every company, no matter its size or industry, should and must be committed to the environment in its own way.

Jean-Bernard LEVY
CEO

<https://www.edf.fr/en/the-edf-group/our-commitments/corporate-social-responsibility/a-positive-approach-to-biodiversity>

EDF'S INDIVIDUAL COMMITMENTS IN *act4nature*

A positive approach to biodiversity

With many industrial facilities located in or near protected areas the EDF group has long been familiar with biodiversity issues. In metropolitan France alone, EDF manages around 40,000 hectares of land and 50,000 hectares of reservoirs.

In 2006, EDF adopted a biodiversity policy. Ten years later, the group made biodiversity conservation one of its main development goals as part of its Cap 2030 strategic project. So it was only natural for EDF to join forces with Entreprises pour l'Environnement (EpE) and sign up to the association's latest voluntary initiative, *act4nature*.

All group business activities involved

By making biodiversity one of its six Corporate Social Responsibility Goals, the group has underlined that this subject is a priority for all business activities and companies. This goal also meets international demands for companies to make a fair contribution to national and international biodiversity action plans. The EDF group approach is not just to avoid inflicting damage on the environment or to reduce the impacts of its industrial activities on ecosystems, but rather to have a positive effect on biodiversity.

For example, in the United Kingdom, EDF Energy has set a target of achieving a net positive impact by 2030.

More broadly, in non-OECD countries, new projects comply with international standards such as those of the International Finance Corporation (IFC).

Corporate Social Responsibility Goal on Biodiversity:

Launch a positive approach to biodiversity: don't limit ourselves to understanding and reducing our impacts but instead have a positive effect on biodiversity.

Understand biodiversity issues and implement concrete, hands-on action

EDF has begun assessing the biodiversity issues of its industrial sites across the entire group.

At EDF's request, in June 2017 the UNEP World Conservation Monitoring Centre began a wide-ranging study of the ecological sensitivity of the group's industrial sites (around 1,000 sites in 24 countries) to be completed in 2020.

In addition, the company is working to limit the loss of natural land by choosing to build on brownfield sites whenever possible. Avoiding damage to biodiversity is already one of the main pillars of impact studies for EDF projects and activities.

EDF also offers solutions to mitigate impacts on environment (fish-friendly water intakes, fish-friendly turbines, ...).

In France, EDF has set out its main orientations on biodiversity through a road map and a voluntary commitment to the country's National Biodiversity Strategy (SNB).

The 2014-2017 commitment, signed by the CEO, comprises 16 actions, relating in particular to protecting species and areas, preserving ecological continuity, developing a "local vegetation" supply chain for ecological restoration, and raising the biodiversity skills and knowledge of all its businesses and employees.

A new road map and a new commitment to the SNB are underway.

Ecological continuity: results so far

EDF has carried out a major programme to take into account issues concerning aquatic ecological continuity. Since 2012, 37 fishways have been built and over 60 audits conducted and passed on to government departments in order to decide on appropriate measures.

Since 2013, over 60 analyses of sediment have been carried out on hydropower structures and EDF has developed a diagnosis protocol downstream from its dams.

Romanche Gavet: a positive approach to biodiversity that also boosts the local economy

In the Isère department of eastern France, EDF has carried out a hydroelectric redevelopment scheme on the River Romanche. During the works, the river was temporarily diverted from its natural bed and its banks were uncovered. Once work was completed, EDF decided to go beyond the current regulations on renaturing sites.

The company has partnered for several years with FCBN (the French Federation of Botanical Conservatories) which has facilitated a close working relationship with CBNA (the country's conservatory for alpine plants) to replant local, invasive-species-resistant plants.

This hands-on approach also has positive benefits for the regional economy because it boosts the business of producers of plants and plant species.

Innovate for biodiversity and harness collective intelligence

As the world becomes increasingly decentralised and interconnected, EDF is adjusting its means of action to fulfil its commitment to biodiversity. Through dedicated working groups the group makes use of a cross-functional way of operating that is more agile and quick to learn, harnessing the company's collective intelligence.

In addition, for more than 30 years EDF has set aside a dedicated R&D team working on environment, in partnership with external organisations.

Today, the biodiversity budget is one of the group's biggest environmental R&D budgets. Over the next four years, the group has allocated more than €21 million to research works on the effects of climate change on biodiversity; ecological continuity; the mitigation hierarchy and ecological restoration and land issues. This work enables continuous improvements in the company's biodiversity practices and contributes to scientific knowledge through publication of theses and articles in international journals.

Enter into an open, participative process

EDF group always seeks to understand and answer stakeholders' expectations and become involved in local bodies governing biodiversity, such as river and river basin authorities and regional biodiversity committees.

Over time, EDF has developed a policy of cooperating with partners in non-profit, scientific and institutional communities who have strong local roots and biodiversity expertise. Moreover, the company's annual biodiversity reporting allows it to communicate with interested stakeholders (see the annual reference document available on www.edf.fr).

EDF is continuing to investigate ways of improving its reporting process and indicators, in particular on the basis of the 2014 recommendations of the French committee of the IUCN.

EDF contributes to public policy

The measures taken by the company to protect threatened species highlight this commitment. EDF currently provides financial and technical support for a number of France's national action plans, including those for the apron (a Rhone River basin fish), the bearded vulture, Odonata, and the Pyrenean desman. The company is also involved in fighting invasive exotic species, which is among the goals of the national biodiversity strategy.

Since 2011, EDF has been restoring the various ecosystems of the Combe Madame site in eastern France as part of a national experiment in offsetting measures.

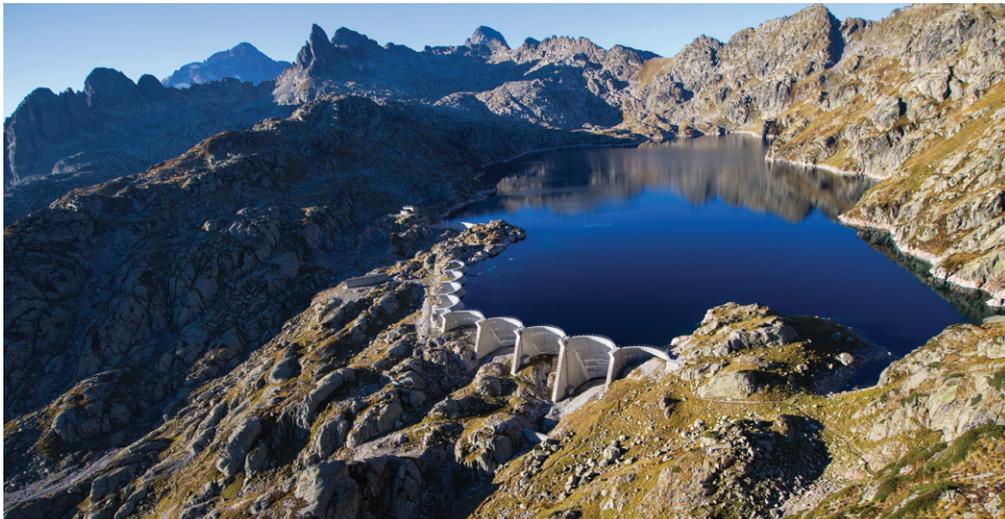


photo credit: EDF / Franck ODDOUX

Benoît de RUFFRAY
CEO

<http://www.developpementdurable.eiffage.com/en/reducing-our-ecological-footprint/Biodiversity-from-regulatory-to-competitive-challenge>

EIFFAGE'S INDIVIDUAL COMMITMENTS IN *act4nature*

In a world facing new challenges in terms of sustainable development, Eiffage, number three in France in construction and concessions, which drives nearly 100,000 projects per year, is positioning itself as an ecological and socially responsible player.

The group, which has its own foresight laboratory on the sustainable city, Phosphore, offers concrete solutions at the junction of ecological transition and innovation: low carbon construction, use of biobased materials and reuse, modular and mutable buildings, recycled and connected sustainable road, renewable energy mix, ecomobility offer, etc.

Aware of being exposed to the risk of erosion of biodiversity, Eiffage constantly incorporates new expertise and renews its constructive and design methods.

NB: the numbers indicated in parentheses hereafter refer to the 10 common commitments *act4nature*.

Eiffage's biodiversity strategy (1) is structured around three major axes detailed below:

■ **Axis 1 :**
control the environmental impact of construction and operation activities by better assessing our impacts and strictly applying the Avoid-Reduce-Offset sequential steps of the mitigation hierarchy (3) (4) (5);

■ **Axis 2 :**
develop an offer of products and services that respect the environment (4) (6);

■ **Axis 3 :**
mobilise the group's innovation capabilities to meet these challenges (6).

Since 2009, Eiffage has adopted a voluntary biodiversity conservation policy (1), in particular through two Biodiversity and Water and Aquatic Charters, signed by the President and Chief Executive Officer, which apply to all subsidiaries and group employees.

The group then defined its concrete commitments via a specific action plan (1) within the framework of SNB (National Biodiversity Strategy) of the government which was officially recognised in 2012 and again in 2015. In this context, four complementary guidelines have been defined:

- Increase the skills of employees and raise awareness of biodiversity through programs that engage the company's payroll (8);

- Participate in basic and applied research for biodiversity (6) (9);

- Leading an innovative approach to biodiversity issues in the core business (4) (6);

- Share knowledge about biodiversity and collaborate with progress circles (2) (7).

In the continuity of the NBS system, the *act4nature* commitment will enable Eiffage to reinforce the visibility of its commitment to the preservation of biodiversity:

- by extending the internal dynamics initiated by the 2012-2015 and 2015-2018 action programs through new thematic and geographical variations, etc.;
- by deepening some of the actions most in touch with the core business;
- by anticipating new practices, knowledge and know-how, via long-term or innovative actions, particularly in R & D, in France and internationally.

Each of these orientations is based on a series of specific commitments consistent with those of *act4nature*.

The actions recalled here are the most representative of our commitments for almost 10 years, and will continue until 2020.

Eiffage intends to continue publicizing its biodiversity commitments as it has done since 2012 via its institutional website, as well as their implementation through monitoring and reporting under the control of its associative partners, and in accordance with the SNB institutional framework (1) (2) (10).

Axis 1 Training courses, awareness, commitment of the employees

Master 2 "Bioterre": created in 2009 by Eiffage in partnership with the Paris 1 Panthéon-Sorbonne University, this state diploma at the Bac +5 level combines fundamental and applied courses in tune with the professional reality of conducting projects integrating biodiversity. In 2018, Bioterre placed 5th in the international SMBG ranking and 2nd in the French masters in environment and sustainable development.

Since its creation, some 40 Eiffage employees have followed this training and, in total, more than 180 students.

Mooc dedicated to ecological engineering: Eiffage participated in 2017 with the Uved in the creation of a Mooc on the new professions of biodiversity which reached a record level of registered (more than 11 000 for the 1st session end of 2017).

Internal network of employed beekeepers: a dozen employees, from several branches and several sites in France, provide support to install new apiaries on the Eiffage sites, such as at the group's headquarters in Vélizy-Villacoublay, France, as part of the "Bzzz network".

Biodiversity prevention and risk management package: this internal tool created in 2010 aims to give the "good habits" in biodiversity to the employees in the field through the fundamentals (law, actors, tools, etc.), good practices (design, construction, operation) and groups of wildlife species. It was deeply renewed in 2017 to be more accessible (digital version), operational and transversal, and to integrate new regulations and practices.

Commitment of the employees: internal mechanisms make it possible to sensitise and engage employees to the preservation of the biodiversity by concrete and mobilising actions, like the annual photo contest (more than 10 000 shots realised in 7 years), the Butterfly Effect website, the internal network of "biodiversity ambassadors" and active employees in the company vegetable gardens. Other actions will be implemented in the coming years, for example through individual employee commitments to environmental and social associations.

Axis 2 R&D

Ittecop: Eiffage is a partner of the Ittecop-FRB-CILB 2017-2020 call for projects and is involved in several of the associated research programs: a project on the link between infrastructures, ecological compensation and agro-ecology; and a thesis, funded under the partnership with the Sorbonne University, on temporary biodiversity in the motorway basins.

Biomimeticism: Founding member of Ceebios, Eiffage promotes and implements biomimetic innovations in its construction and development projects, like the Nianing church in Dakar, Senegal.

Axis 3 Innovative approach in the core of construction trades

Urban biodiversity: Eiffage has been a member of the IBPC (International Biodiversity & Property Council) since 2016, and contributes to promoting and enhancing the Biodiversity© label, which has become a reference label. Two buildings delivered by Eiffage have been labelled, and for the first time, a development area in its entirety (pilot site).

Bio-sourced materials: since 2016, Eiffage has signed an agreement with Karibati to support and equip projects with a high intensity of bioresources, in particular through the use of solid wood laminated like the construction of the largest wooden tower in Europe in Bordeaux (Hyperion). In addition, Eiffage has been contributing since 2015 to the emergence of a timber traceability label with DNA Products.

Birdlife issues in the building sector: through a new partnership with the LPO (Bird Protection League), Eiffage intends to integrate these issues more systematically into the design of new buildings.

Experiments of biogenic and positive biodiversity devices in the marine environment: invested in this area since 2013

via partnerships with innovative engineering companies (SeaBoost, Créocéan, etc.), Eiffage implements in 2018 and 2019 such devices within the framework of harbor extension works of Port Haliguen (Morbihan), experiment supported by the AFB (French Agency for Biodiversity) within the framework of the PIA 2 biodiversity.

Other markets are also targeted for these marine ecological engineering actions like offshore wind.

To challenge its biodiversity policy and implement its commitments, Eiffage shares the knowledge acquired with its stakeholders and institutions, and participates in many circles of progress.

Thus, Eiffage develops its partnership ecosystem via:

- specific partnerships (Humanité et Biodiversité, LPO, IBPC, Ceebios, BBOP); strategic and technical exchanges (AFB, Museum national d'Histoire Naturelle, Fondation pour la recherche sur la biodiversité, IDDRI, or UPGE);

- support actions (replacement of sick plane trees of the Canal du Midi with VNF (Waterways of France) in 2018, patronage in favor of the Athenas center for the European Lynx and the villages of the Soptom turtles in 2017 and 2018 in France and Senegal);

- or participation in associative or inter-company think tanks (Orée, CIL & B, CDC Biodiversity / MEB, Medef, FNTF, EGF-BTP, FFB, etc.).

The group is also a member of the national Copil (pilot committee) of the Avoid-Reduce-Offset Sequence of the Ministry of Ecological and Solidarity Transition.

In addition, a clearly international orientation is confirmed for the years to come:

- active participation of Eiffage in the BBOP on the topics of ecological compensation, mitigation hierarchy (AMR sequence to mitigate environmental impacts), Net Positive Impact or biodiversity indicators (in connection with the ongoing work of the CDC Biodiversity - club B4B +);

- promotion of the Biodiversity® label beyond France with the IBPC, environmental labels in the building sector (HQE, Breeam, Leed, etc.) with little integration of biodiversity.

Finally, regular publications and participations in collective statements underline and distinguish Eiffage's commitment, notably:

- 2017: senatorial commission of inquiry on the reality of compensatory measures;

- 2016: participation in Emmanuel Delannoy's report on "Biodiversity, an opportunity for economic development and job creation";

- 2015: participation in the publication of the book "Ecological Engineering: Innovative Practices for Ecosystems and Territories";

- 2014: publication of the book Eiffage "Towards ecological civil engineering";

- 2012: 1st Biodiversity prize for the Enterprise & Environment prize, with the company Dervenn, for the Fipan project (Intervention Fund for Natural Heritage);

- 2011: Eiffage's participation in the report "Public aid harmful to biodiversity" - under the direction of Guillaume Sainteny for the Center for Strategic Analysis.

Philippe MONLOUBOU
CEO

<https://www.enedis.fr/environmental-commitments>

ENEDIS' INDIVIDUAL COMMITMENTS IN *act4nature*

The electricity distribution networks operated by Enedis are part of the living landscapes, that are sometimes outstanding, with which they interact all along their life cycle, from the planning phase to the end of life management, including construction and maintenance. Enedis has always been extremely careful on matters of biodiversity, and has set its actions within the framework of the French national biodiversity strategy as well as the Aichi targets.

This explains, the company's decision to support the **act4nature** initiative, and its commitment to:

- 1** Technically and financially support research programs dedicated to land ecology and ecosystem services, through its participation to the "CILB" which stands for "Linear Infrastructures and Biodiversity Council", since 2011, in order to better include biodiversity considerations within our company's strategy.
- 2** Carry on and strengthen our partnership with NGO specialised in environmental protection, specifically the "Bird Protection league" (LPO), "The Environment and Nature Fund" (FNE) through a "National Fowl Council" and their regional offices. Assess the risk of collision and electrocution against overhead-lines along migratory corridors and implement appropriate solutions. Complete the LIFE Gypconnect program by 2021.
- 3** Study by 2019, the possibility to include cartographic layers in our Geographic Information System, allowing our engineers to identify high risks areas for birds very soon in order to be able to re-design future projects of networks for safer ones or to provide them with bird repellent tags.

4 Promote local innovations in favour of the ecological management of vegetation, under and close to our primary substations (shrub vegetation in forest corridors in association with hunting federations, eco-grazing, limitation of pesticides for undergrowth clearing). Our goal is to reach "zero phyto" in 2020 for the maintenance of our green spaces close to our offices and in 2024 for all industrial sites (substations).

5 Focus on avoiding meaningful impacts on biodiversity during our works in protected areas. Distribute our "environmental booklet", detailing what to do in case of an environmental emergency, to all our contractors by the end of 2019.

6 Raise awareness amongst our staff on biodiversity issues with an e-learning platform, and train our field operators (project assistants, operators) and their managers to reduce impact on biodiversity.

7 Contribute, by 2018, to the general public and our staff's awareness, through visible partnership, such as "LPO Refuge", "World CleanUp Day", and "Reforest-Action".

8 Report annually on the implementation of these commitments to our Stakeholders council, and include it in our annual report.



ENGIE'S INDIVIDUAL COMMITMENTS IN *act4nature*

Committed to the National Biodiversity Strategy since 2011, Engie renews and reinforces its commitment to the preservation of biodiversity by supporting **act4nature** and by extending the scope of SNB commitments to all of the group's activities throughout the group worldwide.

The activities of the Engie group are in constant interaction with biodiversity: on the one hand by the services provided by nature (biomass, water, climate) and on the other hand by the footprint of industrial sites and therefore their impact on ecosystems.

Through these commitments, we want to encourage all the group entities to perceive biodiversity as an opportunity to anchor their activities in the territories and to engage more strongly with their stakeholders in more sustainable approaches.

Engie attaches great importance to working in consultation with stakeholders. For nearly 10 years, we have supported the biodiversity approach on two partnerships, one with the French IUCN committee and the other with France Nature Environnement. Engie also contributes to the MEDEF, EpE and CDC biodiversity working groups.

Locally, the sites work with the external interlocutors concerned by the local problems and seek the most adapted solutions to the respect of the ecosystems and the populations with them.

The group's commitments are based on three ambitions for which actions have already been implemented in the context of the SNB on 2016-2018, and which we wish to extend to the entire group by setting targets for the group at a global scale to 2020:

1 Identify and make known internally all the benefits and opportunities related to actions for biodiversity

■ In 2017, the group's entities shared their experiences, notably on the differentiated management of green spaces, the contribution to the implementation of the green and blue weave, and the results of studies carried out by IUCN. The exchanges within the network are now facilitated by setting up a specific internal social network.

■ 2020: Animate an international network of internal experts and develop the sharing of good practices.

Target: at least 3 network meetings per year and network animation over time on the dedicated internal social network

■ 2018-2020: Maintain and update a tool for locating and sharing knowledge on protected areas around the world.

Target: an up-to-date tool available for everyone in September 2019.

2 Set up on the group's sites voluntary and concerted approaches with stakeholders

The France Renewables Business Unit works with local stakeholders on each wind or solar project to identify biodiversity risks and define the most appropriate solutions to preserve fauna and flora. For example, in 2017, as part of the construction of the Hangest-sur-Somme wind farm, several actions were carried out, including the installation of bat shelters.

■ 2018: Drafting, in liaison with the internal and external stakeholders concerned, a guide on the ecological management of sites.

Target: finalised guide in December 2018.

■ 2018-2020: Track the achievement of the target "100% target sites with an integrated environmental management plan developed in collaboration with their stakeholders", including sites identified as a priority for biodiversity.

Target: 100% of Biodiversity target sites across the group have a concerted action plan by December 2020 (level of progress available on the website).

3 Anchoring biodiversity as an integral dimension of the group's performance

Since 2010, the group has a goal to improve the management of biodiversity at sites 100% of priority sites in Europe are implementing an action plan by the end of 2015.

At the end of 2015, 99% of the sites identified as priorities for biodiversity in Europe had action plans in place.

This objective is now included in a more comprehensive approach such as an integrated and concerted environmental management for sites.

■ 2020: Systematically evaluate the development projects in the group's investment committee in terms of the integration of stakes and consultation with stakeholders, and deploy a proactive action plan on each sensitive project, respecting the sequence "avoid, reduce, offset" all over the world.

Target: As of 2018, 100% of the files submitted to the group's investment committee are the subject of a concerted analysis of the biodiversity issue.

■ 2018-2020: Provide group employees with training dedicated to biodiversity.

Target: a training program offered to all employees by the end of 2018 for deployment as early as 2019.



Laurent BEUSELINCK
Managing Partner, France & BeNe

<https://www.erm.com/en/sustainability-report-2018>

ERM'S INDIVIDUAL COMMITMENTS IN *act4nature*

ERM is a leading global provider of environmental, health, safety, risk, social consulting and sustainability related services. We have offices in over 40 countries and territories, including 3 in France. It is from here that we have signed this pledge which reinforces our commitment to integrate biodiversity considerations into our operations.

Around the world ERM regularly performs assignments related to biodiversity, through impact studies and due diligence in project finance and by developing CSR strategies for our clients. We help our clients to shape a sustainable and responsible future and we support their commitment towards protecting towards protecting biodiversity⁽¹⁾ throughout their operations.

We also want to continue and increase the work we do through the ERM Foundation and other local initiatives to help protect biodiversity.

Our individual commitment includes 10 principles divided into four major themes.

1 Reducing our direct impacts on biodiversity

■ By 2020, we will have integrated in 100% of our direct purchases the criteria related to biodiversity, in particular those related to the impacts on deforestation (zero deforestation) of purchased products and their value chain.

■ By 2021, we will have strengthened our practices to ensure that the necessary measures for the ordinary biodiversity protection are integrated during our onsite interventions. In 2021, the procedures will be defined and implemented.

2 Contributing to enhancing biodiversity

■ We will continue our active participation in various initiatives, platforms, studies and working groups on valuation, restorations and offsetting and natural capital methodologies such as BBOP, TCFD, WBCSD WASH, Natural Capital Coalition.

■ Through the ERM Foundation, we will increase in the coming years the projects supported by ERM France related

to biodiversity management and conservation with the aim of having an ongoing project every year.

3 Raising awareness among our employees

■ From 2019, we plan to carry out a flagship action once a year (e.g. tree planting, educational day about biodiversity protection, etc.) with a partner to contribute to the biodiversity protection and involve our employees in this challenge.

■ We will organise at least once a year an awareness session of all our employees to a specific theme related to biodiversity or a feedback from field missions related to biodiversity.

■ By 2020, we will strengthen our biodiversity policy in our ISO 14001 certified management system. In view of this commitment, our environmental analysis will be reviewed and some environmental aspects related to biodiversity will become significant.

4 Influencing our clients to reduce their impact on biodiversity

■ By 2022, we will offer in our advisory and audit missions a biodiversity analysis, where applicable, using Nature Based Solutions⁽²⁾.

We will collect and value these data in order to highlight the positive impacts of ERM projects on biodiversity, in connection with the Sustainable Development Goals (SDG) established by the UN.

■ By 2020, we will strengthen the biodiversity criteria in our Go/No Go procedures for the tendering and the risk management of our projects.

■ As part of our missions, we will maintain our approach of using the highest standards on biodiversity protection and conforming us to the best international practices. To this end, a monitoring will be set up to list all the missions and the standards used.



(1) According to the definition of the Convention on Biological Diversity (CBD, 1992), the biodiversity (or biological diversity) is the variability among living organisms of all sources, including terrestrial, marine and other aquatic ecosystems and the ecological complexes of which they are part; this includes diversity within species, between species and of ecosystems.

(2) WCC-2016-Res-069 : Definition of the Nature Based Solutions by IUCN.

Delphine ERNOTTE CUNCI
Chairwoman and CEO

https://www.francetelevisions.fr/responsabilite_societale_et_environnementale

FRANCE TÉLÉVISIONS' INDIVIDUAL COMMITMENTS IN *act4nature*

As a public company and as a key player in the media sector, France Télévisions imposes itself to undertake significant actions in order to respect and protect the environment. The group is fully committed to protectin the environment and to including sustainability to its daily activities.

Whether through its programmes, through content production or through the day-to-day management of its infrastructure, the company wants to bring together and mobilise the greatest number of people to discuss questions related to climate change and to the preservation of biodiversity.

In this field, France Télévisions bears a public media and company responsibility; this is why it is committed to giving a voice to nature on all its national, regional and ultramarine channels, and on its digital platforms. France Télévisions is also committed to reducing the influence of its own activities on the environment.

Give a voice to nature with quality media coverage

Quality media coverage strengthens people's autonomy and encourages them to accomplish significant changes. Whether they are dedicated to highly topical news coverage or to in-depth investigation, information and debate magazines; fictions, series or documentaries are contributing to the understanding of social phenomena and to the knowledge of transitions. The audience needs good information to be able to make effective decisions at its own level or on a global scale. The great majority of people catch up on biodiversity via the media. The editorial boards of France Télévisions undertake to notify the audience of severe climatic conditions, to give explanations on complex policies, to highlight coping strategies that work on the ground and to act as a monitoring body in order to protect public interest and nature.

With two main orientations

Create the desire to make a difference for biodiversity.

Develop, enrich and share a culture of nature / Enhance mobilisation and citizens' initiatives / Underline the positive outcomes of biodiversity.

Develop, share and enhance knowledge.

Take a critical look at current policies, investigate on the progress of selected initiatives and on the difficulty related to their application over time, offer contents in order to make concrete evolutions.

Limit our direct impacts on the environment with three orientations

Reduce the environmental footprint and protect the biodiversity of our sites.

On these sites, France Télévisions is committed to:

- Reducing environmental impacts, whilst at the same time controlling the associated energy consumption in order to reduce greenhouse gas emissions
- Rehabilitating, preserving and maintaining the environment while limiting pollution: facilitate better use of waste resulting from maintenance, put up shelters for wildlife, limit the use of sanitary products and reduce pesticides and herbicides...
- Limiting the disruptions generated: less lighting, restrict noise pollution, neutralise any potential wildlife's traps.

Reduce the environmental impact of our contents with eco-made programmes.

Identify the impact of our shoots and save the ecosystem with the implementation and monitoring of a program with significant actions, in the spirit of continuous improvement.

Actions taken by in-house manufacturing teams:

- reduction of greenhouse gas emissions to the extent possible;
- provision of reusable bottles that can be filled with the available water dispensers;
- paper reduction, limitation of hard copies and the distribution of printed materials;
- waste separation;
- re-using all temporary structures and sets;
- use of local and seasonal food;
- use of renewable energy as far as possible;
- Uuse of all means to reduce mobility needs and to better manage crew and equipment travels;
- priority given to hotels with environmentally friendly practices.

■ Raise awareness and change film-making and audio-visual industry's behaviours:

- with the development of tools and actions of the Ecoprod⁽¹⁾ collective, to limit the impact of productions on the environment;
- with the mobilisation of companies, suppliers and partners around CSR issues.

Our commitments:

- Undertake the measures taken for biodiversity protection.
- Address the issue of biodiversity once a year with an Executive Committee.
- Attend the UICN World Conservation Congress in 2020.
- Commit our programmes into an ecoproduction approach up to 50% by 2022.
- Set up a voluntary path zero phyto on our direct management sites by 2022.
- Increase the number of productions companies signatory of the Ecoprod charter.



photo credit: Thalassa/DEOUSSANTA

(1) Ecoprod is a collective approach launched in 2009 by audio-visual sector players, in order to commit the sector into the consideration of its environmental footprint. The 5 funding partners, the Audiens Group, the Ile-de-France Film Commission, France Télévisions, TF1 with the support of Ademe and of the DIRECCTE Ile-De-France (Ministry of the Economy and Industry) have been joined recently by the CNC, the CSE, Film France and Media Pole Grand Paris.

ADP GROUP'S INDIVIDUAL COMMITMENTS IN *act4nature*

Groupe ADP builds, develops and manages airports, including Paris-Charles de Gaulle Airport, Paris-Orly Airport, and Paris-Le Bourget Airport.

In 2017, under the Paris Aéroport brand, the group handled more than 101 million passengers and 2.3 million metric tonnes of freight and mail at Paris-Charles de Gaulle and Paris-Orly, and almost 127 million passengers at overseas airports managed by its subsidiary, ADP International.

In the Paris region, groupe ADP owns and manages Paris-Charles de Gaulle Airport, Paris-Orly Airport, Paris-Le Bourget Airport, ten general aviation aerodromes and a heliport, all located within 50 km of Paris.

With 6,600 hectares in the Paris region, protecting biodiversity is a major issue for groupe ADP. As a company with strong regional ties through our Paris airports, we have a rich dialogue with local stakeholders. We are also gradually incorporating these issues all throughout our value chain.

Biodiversity is one of the six subjects of our 2016-2020 Environmental Policy alongside water, waste, air quality and emissions, development and sustainable construction, and energy.

We are currently protecting biodiversity by focusing on three major goals for 2020:

- devising and rolling out an ecology management plan for our development work,
- carrying out a biodiversity study for development projects and for all our airports,
- reducing our consumption of phytosanitary products by 50% between 2008 and 2020.

We carried out initial biodiversity diagnostics for all of our three major airports in 2014. We began sowing a partnership with the association Hop!Biodiversité in 2015 to study and promote the biodiversity on our airfields. These airfields represent over a third of the total surface area of our three Paris airports and are a wealth of biodiversity. Volunteer employees from groupe ADP and partner companies team up to make observations on the biodiversity at our airports. Used for many years now, the alternative approach to managing our green spaces has enabled us to substantially reduce our consumption of phytosanitary products at the various locations, with no phytosanitary products used airside at Paris-Orly Airport since 2016

Flight safety is always the primary goal, and the various measures have enabled us to preserve the existing biodiversity and ensure its future in an airport environment.

As part of this ongoing approach, we are making four *act4nature* commitments for the Paris airports:

- Knowledge;
- Development;
- Ecology management;
- Awareness.

Commitment no. 1 Knowledge

Making sure we know our biodiversity at our airports by conducting flora and fauna inventories and updating them regularly.

■ Measures

- Carrying out regular inventories throughout our airports;
- Creating detailed accounts of flora and fauna throughout project areas;
- Holding on-site collective observation campaigns connected with the association Hop!Biodiversité at Paris-Orly Airport and Paris-Charles de Gaulle Airport;
- Sending the data collected to the French Museum of Natural History.

■ Monitoring indicators

- Number of inventories completed;
- Number of days of observations made with Hop!Biodiversité;
- Number of species monitored on-site with Hop!Biodiversité.

■ Management

- Monitoring inventories and observations on-site annually;
- Establishing deadlines for specific inventories.

Commitment no. 2 Development

Incorporating a forward-thinking perspective into our development that takes the preservation of biodiversity into account.

■ Measures

- Conducting strategic biodiversity studies for the three major Paris airports;
- Incorporating biodiversity issues into internal projects upstream;
- Monitoring the impact of third-party projects on biodiversity at our airports.

■ Monitoring indicators

- Number of strategic studies carried out;
- Number of third-party projects monitored.

■ Management

- Finalising strategic studies in 2019;
- Monitoring internal and third-party projects annually.

Commitment no. 3 Ecology Management

Reinforcing the ecology management approach for our green spaces.

■ Measures

- Adopting a voluntary approach moving gradually towards "zero phyto" at Paris-Charles de Gaulle Airport and Paris-Le Bourget Airport, and maintain it at Paris-Orly Airport;
- Implementing ecology management plans for our green spaces;
- Adapting our practices to preserve and develop existing flora and fauna.

■ Monitoring indicators

- Annual consumption of phytosanitary products;
- Number of areas in which ecology management plans are implemented;
- Number of bird species recorded.

■ Management

- Monitoring the consumption of phytosanitary products annually;
- Monitoring ecology management plans annually;
- Monitoring the bird species on-site annually.

Commitment no. 4 Awareness

Raising awareness and implementing collaborative approaches with our stakeholders.

■ Measure

- Having groupe ADP employees and companies with locations at the airports participate in on-site observations, potentially with the association Hop!Biodiversité;
- Incorporating biodiversity into our internal and external communications;
- Raising awareness of biodiversity amongst companies operating at our airports through the Environment Partners Clubs at Paris-Charles de Gaulle Airport, Paris-Orly Airport and Paris-Le Bourget Airport;
- Raising awareness amongst local residents at our Environmental and Sustainable Development Resource Centres at Paris-Charles de Gaulle Airport and Paris-Orly Airport;
- Collaborating with local authorities of areas in which we operate to raise public awareness.

■ Monitoring indicators

- Number of group employees participating in observations;
- Number of employees from partner companies participating in observations;
- Number of partner companies that have been informed;
- Number and type of communication mediums published.

■ Management

- Monitoring the number of employees from the group and partner companies annually;
- Monitoring the number of partner companies made aware annually;
- Monitoring the communication mediums annually.



Thierry TROUVÉ
CEO

<http://www.grtgaz.com/nos-engagements/etre-une-entreprise-socialement-responsible/actions-pour-le-climat-et-lenvironnement/preservation-de-la-biodiversite.html>

GRTGAZ'S INDIVIDUAL COMMITMENTS IN *act4nature*

GRTgaz is a limited company that owns and operates Europe's longest high-pressure natural gas transmission network (in France). The company currently has around 3,000 employees and has three major missions: transporting natural gas for its customers; delivering it to the recipients directly connected to the transmission network, and developing the capacity of the transmission network.

The public service missions carried out by GRTgaz are defined in accordance with the French Energy Code, and are covered by a three-year renewable public service contract with the state. These missions relate in particular to the safety of people and facilities, the country's supply security, environmental protection, the energy transition and balanced territorial development.

The commitment in context

GRTgaz currently operates 32,500 km of high-pressure pipelines, and one of the biggest challenges in the coming years will be to ensure the long-term acceptability of its network. Indeed, this network, which links territories and provides access to high-capacity energy storage, is an asset when it comes to implementing the energy transition: reception and transportation of biomethane, renewable energy storage, solidarity between energy surplus and deficit regions, etc.

This requires GRTgaz to incorporate nature into its strategy and its business models (environments, fauna, flora, ecosystems, interactions, genetic inheritance, etc.), while taking concrete action to develop solutions for the preservation, restoration and sustainable exploitation of biodiversity, and the equitable use of the benefits derived from it.

Adopting a proactive approach to biodiversity is one of the prerequisites for achieving this goal. GRTgaz's activities will only be sustainable in the long term if there is clear evidence that they are not harmful to ecosystems.

With this in mind, action is being taken to ensure that the transmission network is a key link in France's Trame Verte et Bleue (Green and Blue Infrastructure network) and hence an additional asset in the deployment of the future energy mix. This is all the more pertinent as the preservation of biodiversity and the fight against global warming are interdependent and require mutual consideration.

Thus, GRTgaz is engaging voluntarily in the *act4nature* initiative to help build a global momentum for positive corporate action on environmental issues and biodiversity in particular, while fostering solutions through constructive dialogue with stakeholders.

GRTgaz therefore fully supports the common objectives set out in the *act4nature* initiative and has defined an action programme for the 2018-2020 period, with the aims of developing the positive role that its green footprints can play in biodiversity and identifying and implementing alternatives to any of its practices that are likely to cause damage to ecosystems.

Commitment

The action programme proposed by GRTgaz for the *act4nature* initiative was designed based on the input of stakeholders in the company. It integrates recent regulatory, societal and organisational developments relative to biodiversity, including the Regional Ecological Coherence Plans, the ordinance on environmental dialogue and the bill to restore biodiversity, nature and landscapes. The latter has introduced new fundamental principles into the French environment code and established the French Biodiversity Agency, along with several other governance bodies.

The six objectives and twelve actions associated with the programme are aligned with several of the strategic goals set out in the French National Biodiversity Strategy (NBS). These actions will be implemented at all GRTgaz sites that are regarded as priorities in light of the issues at stake. The midway point for their completion is 2019 and the final deadline is 2020:

- "Preserve and create new ecological continuities" in accordance with strategic goal B of the NBS.

Proposed actions:

Introduce differentiated management on easement strips; create synergies with the agricultural sector; investigate all possibilities for partnership-based management. By 2020, GRTgaz proposes to identify 10 sites where an easement overlaps the Green and Blue Infrastructure network and to determine, with the help of a natural scientist, the maintenance method most favourable to biodiversity on each of these sites.

This is a pilot project and will be carried out in partnership with local players; the aim is to evaluate the constraints, benefits and effects of differentiated management on GRTgaz's easements, and hence study the possibility of rolling out the project on a larger scale after 2020.

- "Initiate a plan to deploy alternatives to plant protection products (pesticides)" in accordance with strategic goals B and F of the NBS.

Proposed actions

ban the use of these products in sensitive areas; increase employee awareness; participate in experience and knowledge sharing.

- Thus, 450 field installations (gas stations) belonging to GRTgaz will be pesticide free by 2020.
- Again, this is a pilot project aimed at assessing the constraints and benefits of various "pesticide-free" maintenance methods and encouraging the development of new methods so that they can be implemented by all installations after 2020, if so required.

- "Continue to create ecological niches on industrial sites" in accordance with strategic goal B of the NBS.

Proposed action:

Implement a biodiversity action plan for all priority sites. Thus, 27 industrial sites and compressor stations have already joined forces with local stakeholders to implement a biodiversity action plan adapted to their specific context, or are planning to do so in 2020.

- "Support the preservation of pollinating insects" in accordance with strategic goals A and B of the NBS.

Proposed actions:

Support and promote employee initiatives and open up sites to bee-keepers looking for a place to set up their hives; support the overall improvement of practices. GRTgaz now accommodates 135 hives on 21 sites (including one at the Head Office) and encourages the provision of land to bee-keepers living near its facilities.

- "Support knowledge improvement" in accordance with strategic goal F of the NBS.

Proposed actions:

Participate in research on relationships between biodiversity and linear infrastructure, and share the results of the research. GRTgaz, as a member of France's Linear Infrastructure and Biodiversity Club, is currently committed to a plan to support 15 research projects on interactions between linear infrastructure and biodiversity, via the environment ministry's ITTECOP programme and the Foundation for Biodiversity Research.

- "Enhance the environmental dialogue" in accordance with strategic goals B, D and E of the NBS.

Proposed actions:

Systematically conduct upstream consultations on projects subject to an impact assessment.



photo credit: Dominique Coutier / GRTGAZ

HERMÈS' INDIVIDUAL COMMITMENTS IN *act4nature*

Hermès is a family business in which, since 1837, six generations of enterprising and passionate artisans, poets and traders, have passed on to their heirs a culture of beautiful materials, exquisite craftsmanship, and a love of objects made to last. In 2017, €5.2bn of turnover was generated across 30 different countries.

Hermès employs 13,500 people around the world, over 8,300 of whom are in France. Our operations are highly integrated, with over 70% of our products manufactured in-house, and 80% of our production taking place in France.

Hermès operates 41 production sites in France, mostly on a human scale (250 people) where Hermès is committed to respecting biodiversity and to dialoguing with its stakeholders: elected officials, local residents living on or near our sites, associations, suppliers, and so on. In total, Hermès has nearly 80 sites in France.

Our manufacturing follows an artisanal industrial model with a low environmental footprint, using renewable natural resources, particularly for our two most iconic materials: leather and silk. Most of our leather is sourced from European farms, while our silk comes from Brazil.

Hermès has a profound respect for nature, which is both the source of its raw materials and the environment of its production sites, and publicly reports on its commitment to sustainable development in its annual report, where biodiversity is reflected in three of its strategic priorities ("raw materials", "environment", and "stakeholders and local integration").

The common commitments outlined in the *act4nature* initiative signed by Hermès are complemented by the individual commitments detailed below.

1 Commitments within Hermès' sphere of direct responsibility:

Link with the common commitments: 1 (corporate strategy), 2 (dialogue with stakeholders), 4 (integration throughout our value chains), 5 (prevent, reduce, offset), 8 (employee awareness and training), 10 (reporting).

We are aiming to expand our biodiversity-friendly initiatives at our French sites in the following areas:

New construction projects:

Hermès aims to develop its French industrial sites in rural zones or on urban industrial wastelands requiring renovation (examples include Héricourt and Saint Julien), with a commitment from the outset to avoid threatening,

to respect or to develop existing biodiversity. All of our new projects are required to comply with our internal "sustainable construction" framework, inspired by the very best international practices, which outlines the criteria we apply:

- The proportion of site vegetation preserved after building work (target: > 70%),
 - The proportion of waste water processed via phytoremediation or equivalent (target where applicable: > 80%),
 - The proportion of green roof on a building (> 60%).
- We currently have green roofs across our three Pantin sites and at one of our leather goods sites (Nontron, Périgord),
- The number of biodiversity-friendly local initiatives in place (target: more than two),
 - The proportion of outdoor spaces in the shade at the winter solstice (target: < 30%).



Planting:

A certain number of our sites have been planted with fruit trees in accordance with land availability: a conservatory orchard at Héricourt (Doubs), apple trees at Sayat (Puy-de-Dôme), a partnership with a local chestnut tree conservatory (Puy de Dôme) in Nontron (Périgord) and in La Tardoire (Charente), and protected species planted at L'Allan (Doubs). The roof of our historic original store on Rue du Faubourg St Honoré in Paris is also planted with gardens and fruit trees. We aim to continue planting work at our manufacturing and tertiary sites.

Bees:

We run an in-house bee club and seven of our French sites have their own beehives: Faubourg St Honoré, Sayat (Puy de Dôme), Nontron (Périgord), Le Vaudreuil (Seine Maritime), La Tardoire (Charente), Belley (Ain), and Annonay (Ardèche).

Our goal is to ensure these beehives are built to last, to open up our sites to encourage natural beehive formation where possible, and to roll this initiative out across our other sites.

In addition, our local sustainable development committees run community initiatives to encourage biodiversity (promotion of organic farms, introduction of sheep to maintain fields, maintenance work in communal wooded areas, etc.) in partnership with their stakeholders as a way of raising awareness across the workforce and involving all employees. Outside France, our distribution subsidiaries contribute their own efforts, by installing vegetable patches on roofs in Hong Kong, for example, or by leading the Shanghai team out to plant trees on Chongming Island, a protected natural site.

In general, our employees are regularly informed about initiatives in favour of biodiversity. During the sustainable development seminars in France and abroad, the films *Tomorrow* (2016), *March of the Penguins 2* (2017) and *On a vingt ans pour changer le monde* (2018) were shown to participants.

Hermès will continue its efforts to raise awareness among its employees.

2 Commitments within Hermès' sphere of wider responsibility:

Link with the common commitments: 1 (corporate strategy), 2 (dialogue with stakeholders), 3 (impact assessment), 4 (integration throughout our value chains), 5 (prevent, reduce, offset), 8 (employee awareness and training), 10 (reporting).

We aim to continue working with the partners who supply our raw materials on constructive initiatives that safeguard the biodiversity of our planet.

To achieve this, we work with various international NGOs to better analyse which elements of biodiversity are related to us, and to evaluate our impact on our supply chain.

There are two areas that we are particularly interested in:

Alligators in Louisiana:

Hermès buys alligator skins both directly and indirectly from farmers in Louisiana. Extensively reorganised in order to implement the Washington Convention, the alligator industry contributes to (1) protecting the species and ensuring it thrives at unprecedented levels in the targeted areas, and as a consequence, (2) helping to protect and maintain the marshlands where these creatures live and reproduce. According to the United States Fish and Wildlife Service, this amounts to a total surface area of three million acres of wetlands that are now better maintained. We aim to continue supporting farmers as they develop, thus ensuring that the aforementioned effects (1) and (2) are sustained in order to protect the diversity of flora and fauna.

Silk worms in Brazil:

For more than 20 years, Hermès has helped establish a high-quality silk worm supply chain in Brazil. Located in the southern state of Paraná, mulberry tree plantations have helped sustainably develop this sector, drawing on Japanese expertise to do so.

This industry has enabled the preservation of deciduous trees with very low levels of chemical treatment, which is crucial for silk worms, as they only eat unpolluted mulberry leaves. This activity generates income for small, local farms and thus for thousands of families. Our goal is to continue supporting this sector, protecting plant biodiversity in the region as a result and providing a source of sustainable income for farmers.

3 Voluntary commitments beyond Hermès' sphere of economic influence:

Link with the common commitments: 1 (corporate strategy), 2 (dialogue with stakeholders), 6 (nature-based solutions), 7 (dialogue with policymakers), 8 (employee awareness and training), 9 (resource mobilisation), 10 (reporting).

As a responsible company, Hermès is willingly and voluntarily involved in biodiversity issues over and above its own activity

The Fondation d'Entreprise Hermès is an active contributor to a number of biodiversity projects and aims to continue its work in this field. It also supports a major, large-scale project in Africa in partnership with the WWF: *Traffic/AfricaTrix*. This project is aimed at preventing the poaching, trafficking and illegal trade of Africa's protected species by implementing IT tools that enable the authorities in the target countries to exchange information.

The Fondation d'Entreprise Hermès will continue to support this project.

Livelihoods: Since 2012, Hermès has been a shareholder in the Livelihoods (LH) fund aimed at sustainably improving living conditions for disadvantaged communities by developing very large-scale projects that have a real impact on climate change (www.livelihoods.eu).

The fund supports three types of project (ecosystems, agro-forestry and energy) in Africa, Asia and Latin America. The fund's projects bring together ten partners⁽¹⁾ for a 20-year period.

In total, the Livelihoods fund will contribute to the replanting of 130 million trees, including 18,000 hectares of mangroves (Casamance, the Ganges Delta, Sumatra) and 34,000 hectares of agroforestry (Andhra Pradesh, Guatemala, Kenya). Hermès will maintain its commitment to the Livelihoods Fund both for current projects and through the creation of an even more ambitious fund, launched in December 2017, which will have a significant positive impact on biodiversity.

(1) Danone, Schneider Electric, Crédit Agricole S.A, Michelin, Hermès, SAP, Groupe Caisse des Dépôts, La Poste, Firmenich, Voyageurs du Monde.

HUMANIS' INDIVIDUAL COMMITMENTS IN *act4nature*

A jointly managed mutual benefit group, Humanis is an actor in the social and solidarity economy (SSE), and protects more than 10 million people. We support and advise over 700,000 companies daily in the handling of their employee insurance schemes. Driven by strong values, we are a key player in the social protection sector, playing a leading role in supplementary pensions, welfare, health care and employee savings.

In line with the United Nations Global Compact and its own values, Humanis promotes an ambitious sustainable development policy. The policy's focus on sharing allows us to implement efficient and innovative forward-looking social protection models that are open to all who share our vision.

Our policy, based on four strategic guidelines, has seen its environmental focus reinforced through the "Humanis is committed to the environment" programme (H2E). Alexandre Siné, Humanis' General Secretary sums it up thus: "Driven by values shared by all our employees, we leverage the impetus of our long-term commitment to achieving exemplary behavior in terms of societal responsibility, carbon footprint reduction and biodiversity conservation".

While the direct impact of the group's operations on biodiversity is relatively small, we seek to address this issue more effectively through the following:

- the renovation of our real estate assets and the construction of any new buildings;
- the layout and management of our green spaces;
- the development of projects, both inside the group and beyond, that foster links between biodiversity conservation/preservation, health and well-being.

Humanis joined the National Biodiversity Strategy in 2016.

1 Building biodiversity into the group's environmental strategy

In 2015, the group's Communication and Sustainable Development Department adopted a cross-cutting approach to designing and implementing a series of environmentally-friendly commitments called the "Humanis is committed to the environment" programme (H2E).

Launched at the end of 2015 and presented at COP21, the H2E program includes eleven measures to achieve three key environmental commitments. In choosing biodiversity conservation as one of its three environmental policy priorities along with institutional actions and the management of its ecological footprint, Humanis has clearly embraced the promotion of biodiversity as one of its key commitments.

As part of a continuous improvement process, the group will continue to identify local biodiversity issues at its sites through on going ecological assessments, and will then adjust its biodiversity action plan accordingly.

A comprehensive review of this approach is expected in 2019.

2 Strengthening collaboration with biodiversity experts

To support the implementation and development of its biodiversity-friendly action program, Humanis has been working with three like-minded partners since 2016:

- ARP-Astrance for the performance of ecological assessments and the definition of "biodiversity" action plans at the group's main sites, as well as for assistance in the labelling of green spaces at a pilot site and for deployment of BREEAM In-Use certification at its main sites;
- LPO for the performance of ecological assessments and support in the establishment of LPO shelters at a number of sites;
- Kinomé for the development and monitoring (including scientific) of Humanis' theme garden at the Saran site (45) dedicated to permaculture, and for building awareness of new agroecology approaches which promote the environment, health and well-being.

Humanis commits to the continued development of its ecosystem of partners, which currently includes Entreprises pour l'Environnement (EpE), Fondation pour la recherche sur la biodiversité (FRB) and the French National Natural History Museum.

3 Improving our practices to reduce the pressures put on biodiversity by our operations and sites

In the interests of consistency and transparency, we are reviewing the contracts for the maintenance of our green spaces at a group level to improve their focus on ecological management.

In addition to this measure, which will establish a basis for ecological management at a corporate level, we are committed to accomplishing the following by 2019:

- Raising the awareness of internal actors who tend our green spaces by training them in ecological management,
- Respecting the fauna and flora lifecycles through sensible maintenance (mowing, cutting, late pruning to increase biodiversity at the sites, etc.),
- Prohibiting the use of crop protection products at all our green spaces (zero-use of crop protection products),
- Reducing, reusing and recycling green waste produced at our main sites (installing composters),
- Implementing sensible irrigation systems and seeking alternatives to the use of drinking water for watering (water recovery devices, etc.).

To ensure our involvement in and commitment to a comprehensive approach to ecological management, we aim to obtain the EcoJardin (Ecogarden) label for our highest-potential green spaces (two sites by 2019). This label will underscore our commitment to an ongoing improvement process.

Aware of the impact of our property portfolio, we are also committed to obtaining certification for the environmental performance of our real estate assets through benchmarking based on biodiversity-friendly actions.

In 2018, Humanis has set out to achieve "BREEAM In-Use" certification for its Garges-lès-Gonesse site (95). This pilot initiative will then be gradually deployed to other buildings, an important step towards achieving our objective of certifying 50% of our office buildings by 2021.

4 Developing a shared culture of nature among both our in-house employees and young people outside the company

As a responsible social protection group that is committed to the environment and in particular to biodiversity, Humanis is focused on developing the potential of its green spaces in order to highlight the value of biodiversity and foster initiatives for its conservation.

In addition to installing information signs and creating biodiversity learning paths at our sites, we are developing spaces dedicated to health, biodiversity and well-being. To this end, the group's first theme garden was opened at our Malakoff site (92) in 2016. Dedicated to herbs and medicinal plants and their uses and health benefits, this Garden has helped raise awareness among nearly 500 employees of the issues of nature, health and well-being through a bespoke programme.

A study of the Orleans-based sites enabled the implementation of a "permaculture" project in 2017 at Saran (45). The garden itself, along with various events, has helped raise awareness of new approaches to agroecology and the links between environment, health and well-being among nearly 200 more employees.

As well as installing apiaries at our sites (24 hives across five sites hosting more than a million bees), we are setting up «insect hotels» (for wild bees and various other pollinating insects), with a particular view to preserving biodiversity and the pollination of a greater variety of plant species.

While we are committed to pursuing and developing in-house information, awareness and educational campaigns on biodiversity, we also wish to allow younger generations to benefit from our projects, which we intend to do by opening our theme gardens and learning paths to schools.

To encourage citizen initiatives, we are committed to offering our employees opportunities for involvement in participatory science projects.

Lastly, a prevention programme that is currently being designed for deployment in 2019 includes a focus on the health benefits of plants.

5 Promoting and developing green finance

The fight against climate change is an issue that is fully in line with Humanis' values. As a jointly managed mutual benefit group mindful of its role as a responsible long-term investor, Humanis has turned its efforts to limit carbon emissions in the atmosphere into an opportunity for innovation, as is demonstrated by the creation of the HGA Green Bond Fund.

With this innovative fund labelled TEEC (Energy and Ecological Transition for Climate), Humanis supports institutional investors in the "decarbonisation" of their financial portfolios (an estimated 1,750 tonnes less of CO₂ is released for every million euros invested in the fund) and allows investors to participate actively in financing the fight against global warming, notably as part of their employee savings plans.

While the environmental purpose of the HGA green bond fund is at the moment primarily to address climate change and finance energy transition, biodiversity conservation remains a potentially attractive investment and one which is consistent with the green finance ambitions of our group. The fund also reflects the biodiversity theme via a green bond underwritten by NRW Bank (North Rhine-Westphalia regional public bank backed by the German State) that is dedicated to the funding of hydraulic power generation units under the climate change adaptation initiative.

In a bid to better integrate biodiversity into our business models as of 2019, we are committed to collaborating further with numerous current and potential issuers to provide a "number of km² protected/restored/rehabilitated" -type indicator that would add a second environmental effectiveness criterion to the HGA Green Bond fund (complementary to the number of tonnes of CO₂ avoided or reduced), thereby promoting new investment opportunities for biodiversity protection and conservation.

6 Publishing annual reports on the positive effects on biodiversity

Humanis commits to publishing, from 2019 onwards, two positive impact indicators in its future annual and sustainable development reports.

- Number of "insect hotels" (for wild bees and various other pollinating insects).
- Number of sites with EcoJardin and BREEAM In-Use labels.



Olivier WIGNIOLLE
CEO

<http://www.icade.fr/en/csr/energy-transition-and-preservation-of-resources>

ICADE'S INDIVIDUAL COMMITMENTS IN *act4nature*

As an investor and a developer, Icade has contributed to the emergence of tomorrow's greener, smarter and more responsible cities. A key player in the Greater Paris area and major French cities, its leading shareholder is the Caisse des Dépôts group.

Icade is acutely aware of the impact that its activities can have on biodiversity and has put measures in place to reduce it throughout the building's life cycle. Since 2014, Icade has become actively involved in protecting biodiversity and has included quantifiable targets in its 2016-2020 strategy.

Protect biodiversity from the design stage of buildings

- Icade is aiming for 25% of its new builds to have a net positive impact on biodiversity⁽¹⁾ by 2020.
- Since 2016, 100% of new projects have been subject to a biodiversity assessment. The Biotope Area Factor⁽²⁾ after green interventions saw an overall improvement in 2017.
- New builds have exclusively used FSC® or PEFC certified wood since 2012.
- The "Reinvent the Forest in the City" initiative developed for a number of projects (Pulse in Saint-Denis, Origine in Nanterre) provides for the use of French-sourced wood. As a result, 7,000 sq.m of flooring was installed in 2016 at Veolia's headquarters in Aubervilliers.
- Icade is exploring the possibility of neutralising the Pulse project's residual emissions with Société Forestière.
- Starting in 2018, Icade's property developers will receive biodiversity training to better meet the expectations of local authorities.

Incorporate biodiversity labels and certifications into new projects

- Starting in 2014, Icade participated in the pilot phase of the BiodiverCity® label for the construction of Veolia's new headquarters in Aubervilliers.

- This label will be implemented as part of the Origine project in Nanterre (to be completed in 2020) and the refurbishment and fitting out of Ateliers Vaugirard (in the 15th district of Paris), with 65% of green surfaces and 700 sq.m dedicated to a rooftop vegetable farm (scheduled for completion between 2021 and 2023).

- Since 2016, Icade has used the new HQE certification for buildings.

Promote biodiversity to make the business parks more appealing

- Icade is aiming for 25% of its existing properties to have a net positive impact on biodiversity⁽¹⁾ by 2020. The first indicators analysed in 2017, which related to 33% of the portfolio, were stable or improving.
- In collaboration with CDC Biodiversité, Icade conducted a first ecological assessment in 2014 and signed the first biodiversity performance contract in 2016 for the Portes de Paris business park. This contract will be extended to two-thirds of business park floor space in 2018.
- Since 2012, Icade has also included clauses pertaining to respecting biodiversity in the service provision contracts for green space maintenance. This approach was awarded the EcoJardin label, attributed to 100% of the business parks since 2017. More specifically, this approach to green space management promotes the expansion and diversification of plant species.

Develop urban agriculture and social bonds

- Launched in 2017 in partnership with the "Sous les Fraises" start-up, the aquaponic farm in the Portes de Paris business park combines vegetable growing (500 sq.m) and fish farming (200 sq.m of basins).
- Since 2017, with the help of the "YelloGarden" (Mugo group), vegetable gardens have been planted at Icade's headquarters in Issy-les-Moulineaux (around 20 employees) and the Orly-Rungis business park (around fifty tenants).

(1) A net positive impact on biodiversity is defined as positive change in a set of ecological criteria relating to plant and animal life, soil, water and green space management. In conjunction with CDC Biodiversité, Icade has defined "net positive impact on diversity" as an improvement or stabilisation at optimal level in 100% of resource indicators and 50% of performance indicators which were measured. The evaluation is carried out by way of biennial ecological assessments. The detailed methodology is available on Icade's website.

(2) The Biotope Area Factor expresses the ratio of the ecologically effective surface area to the total land area.

- The Pulse project (completed in December 2018) in Saint-Denis will supply the company restaurant with fresh vegetables from its rooftop garden and recover organic food waste in partnership with the start-up "Topager".

■ Preserve and restore biodiversity

• Since 2016, Icade has been involved in the Nature 2050 programme, created and developed by CDC Biodiversité. This public interest initiative aims to positively contribute to targeted areas not covered by a biodiversity performance contract.

• As a result, 47,000 sq.m have been restored since 2016 through funding 1 sq.m of natural habitat for 1 sq.m of land developed by Icade Promotion on behalf of the Commercial Property Investment Division and for the Healthcare Property Investment Division's development projects with surface area over 10,000 sq.m.

■ Invest in partnerships and R&D in favour of biodiversity

• Icade has been involved in creating a standardised indicator to monitor positive biodiversity impacts (Global Biodiversity Score) with the B4B+ Club (Business for Positive Biodiversity Club), led by CDC Biodiversité. The indicator was discussed in an issue of the Biodiv'2050 Outlook magazine published by CDC Biodiversité in 2017 and its operational launch is scheduled for 2020.

• Icade has developed green roof projects with CDC Biodiversité and the Institute of Ecology and Environmental Sciences of Paris in order to create a numerical model of the environmental benefits, following the example of the research programme conducted in 2016 and 2017 on the roofs of Icade's former headquarters (19th district of Paris). The "Dessus Dessous" project, backed by Agence Française de Biodiversité and Caisse des Dépôts, will be tested in the Orly-Rungis business park from 2019 to 2021.

• Icade has maintained its partnership with the League for the Protection of Birds for the purpose of reintroducing birds to a number of Icade's business parks.



Residence Ôm, Issy-les-Moulineaux - Perspective Architecture Studio

IMERYS' INDIVIDUAL COMMITMENTS IN *act4nature*



Imerys is a French company and a world leader specialised in industrial minerals. Operating in more than 50 countries on 270 sites, the group generated sales of €4.6 billion in 2017. It extracts and processes minerals.

Imerys respects the world in which it operates and has been committed to preserving biodiversity for many years. Much of our activity involves quarrying and mining throughout the world, often in sensitive environments, which makes our commitment to local action all the more important. We are involved in numerous projects to revitalise natural environments, preserve biodiversity and safeguard threatened species worldwide.

We pay particular attention to sites in or near sensitive areas; all of these sites have a Biodiversity Management Plan⁽¹⁾.

Given the serious global threat to biodiversity, Imerys wanted to further structure and harmonise its approach, in order to continue transforming and mobilising the group and its teams around this major issue, which is particularly important to the extraction industry. As one of the priorities of its Corporate Social Responsibility (CSR) strategy, Imerys has designed and implemented a biodiversity project in line with international CSR standards⁽²⁾, the main goals of the National Biodiversity Strategy and the general commitments of *act4nature*.

Between June and December 2017, Imerys carried out an assessment of the issues facing its business, in collaboration and consultation with key stakeholders, and based on the EBEnvie approach.

The action program was drawn up between late 2017 and early 2018 by an internal working group involving a range of support and operational functions.

This program is designed to respond to these challenges and will be implemented at all Imerys sites around the world.

It is based on four key areas:

- 1 design and deploy a global continuous improvement approach
- 2 initiate and conduct studies and research on biodiversity knowledge and conservation
- 3 develop pilot projects
- 4 raise awareness, train and involve internal and external stakeholders

The ambition and complexity of the project led Imerys to form a scientific partnership for the period 2018-2021 with the UMS 2006 Patrimoine Naturel (Muséum National d'Histoire Naturelle - Agence Française pour la Biodiversité - CNRS) to advise and support it in this initiative.

(1) Learn more: Imerys website - paragraph 6.4, chapter 6 of the 2017 CSR Report - Cerabees program on the "Imerys Replay" channel on www.youtube.com/user/ImerysReplay

(2) The main principles of the UN Global Compact and the Sustainable Development Goals (SDG):

Principle 7: businesses should support a precautionary approach to environmental challenges

Principle 8: undertake initiatives to promote greater environmental responsibility

Principle 9: encourage the development and diffusion of environmentally friendly technologies

SDG 15: protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halve biodiversity losses.

INDICATORS / APRIL 2018 - MARCH 2021

- Sensitivity mapping of sites in France (end 2018) and internationally
- Continuous improvement framework (1st version in 2019)
- General guide to good practice (1st version in 2019)

1 Develop and deploy a roadmap to understand and measure the impact of our activities on biodiversity and take action in response to commitments 1, 2, 3, 5, 6, 9.

Imerys, with the scientific support of the UMS 2006, launched an analysis of the impact of its activities, based on the environmental sensitivity mapping of its sites and an inventory of biodiversity practices. This study will allow us, on the one hand, to identify areas that warrant the implementation of priority actions, and, on the other hand, to develop a framework of good practice. In parallel, with the help of its partner, Imerys will design and implement, at each of its sites, an improvement framework including the following key elements: knowledge of the environment, integration of the ERC approach, and the evaluation and monitoring of actions. This global approach will be informed by the findings of the studies carried out in areas 2 and 3.

INDICATORS / NOVEMBER 2018 - JUNE 2021

- Mapping of related stakeholders
- Number of publications

2 Initiate and participate in studies and research and development projects on understanding and preserving biodiversity in France and internationally, in response to commitments 1, 2, 3, 6, 7, 9, 10.

The implementation of the project as a whole requires us to develop robust tools and methodologies adapted to Imerys' activities and operational locations. The group is committed to supporting bibliographic studies and research contributing to their development.

This work, coordinated by the UMS 2006, will draw on the knowledge and expertise of local partners, including NGOs, universities and local authorities. To this end, we will draw up a mapping of partners by country.

Research findings will be the subject of scientific publications and presentations to our stakeholders.

INDICATORS / APRIL 2018 - DECEMBER 2020

- 2018 pilots in France, Greece, Brazil and the UK
- Implementation of the EQI (Ecological Quality Index) in France and international test

3 Develop pilot projects to improve our knowledge and validate our overall strategy, in response to commitments 1, 2, 3, 5, 6, 7, 9.

Imerys operates in more than 50 countries with highly varied contexts, including environment, climate, regulations etc... This diversity is a major challenge for the deployment of a global strategy that needs to address all operations regardless of their specific characteristics. Pilot projects will be launched in several countries to validate the tools and methodologies developed and to refine the improvement approach. The sites, selected for the diversity of their challenges, will serve as "laboratories"; and as such will be studied and monitored regularly under the coordination of the UMS 2006 and with the support of local partners.

INDICATORS / APRIL 2018 - MARCH 2021

- Number of employees trained
- Number of Biodiversity projects for the SD Challenge
- Number of local partners

4 Raise the awareness, train, mobilise and engage our key stakeholders in response to commitments 2, 7, 8, 9, 10.

This "Biodiversity" commitment is a pivotal project for Imerys. At its design, piloting and porting phase, it will use functional and operational resources. To ensure ownership of the process by all employees, we plan to implement "biodiversity" awareness and training modules. We will promote and disseminate good practices and support innovative initiatives at each of our sites through an internal competition, the "SD Challenge", which includes a large number of projects relating to biodiversity.

Because biodiversity action requires local action, Imerys is committed to strengthening and increasing the number of its partnerships with local naturalist and scientific organisations in order to work with them closely on its project.

Imerys' commitment to biodiversity has been validated by the group's Executive Committee and approved by its President. A joint committee (UMS 2006/Imerys) will manage and monitor the project.

Thierry BLANDINIÈRES
CEO

<https://www.invivo-group.com/en>

INVIVO'S INDIVIDUAL COMMITMENTS IN *act4nature*

InVivo, a union of French agricultural cooperatives, works to fulfil the universal right to safe food thanks to a healthy, safe and sustainable food system.

Its innovative solutions in agricultural practices and plant protection, notably via its digital and organisational structures, help improve agriculture's competitiveness and the consolidation of the cooperative model while building a comprehensive approach, a "Third Way" for an innovative agriculture, economically and environmentally efficient.

Biodiversity is an essential building block every economic activity; this fact is acutely so for InVivo which works with living organisms. As a result, InVivo is undertaking a greater integration of biodiversity into the deployment of its corporate strategy, 2025 by InVivo. In 2025, InVivo will provide an initial assessment of its efforts in France.

Our Commitments

- Adopt at least one CSR performance indicator by 2025, allowing the measurement of our progress with regards to a better integration of biodiversity into our business strategy.
- Inform employees and progressively gain their awareness of biodiversity's importance both in general and in their respective professions over the commitment period.
- Continue our R & D efforts to improve preservation of the biological quality of soils in order to secure productions as well as food security.
- Promote a sustainable use of natural resources and develop the valorisation of by-products in animal nutrition.
- Develop Gamm vert's "Responsible Gardening" proposition which, since 2017, accompanies individuals in sustainable gardening methods, raises awareness and discourages the use of phytosanitary products.
- Seek to promote sustainable agricultural practices, including the respect for biodiversity, and improve the awareness of these efforts thanks to greater traceability. For example, the Agriprogress platform, a digital platform for monitoring environmental performance and economics of agricultural and agri-food sectors launched by InVivo and McDonald's. This platform aims to enable farmers and cooperatives to better map and promote their best practices. With these tools farmers support their efforts to preserve or enrich biodiversity on their properties with the aim of better informing consumers and agro-food actors.

■ Continue to develop InVivo Foundation's projects, whose mission is to help improve farmers' livelihoods, bring about new sustainable food solutions and to take care of natural resources.

In this context, InVivo Foundation co-finances and provides financial support, skills and expertise for several agricultural projects that have biodiversity as a central axis.

For example, the "Pour une Agriculture du Vivant" ("For a living agriculture") movement which focuses on soil and field biodiversity through conservation agriculture; programmes promoting model agroecological peri-urban farms inspired by permaculture; and projects that fit with in the UN Sustainable Development Agenda (2030 Agenda) which combats the degradation of land thanks to efforts in biodiversity and agroforestry.





François-Henri PINAULT
Chairman and CEO

<http://www.kering.com/en/sustainability>

KERING'S INDIVIDUAL COMMITMENTS IN *act4nature*

Conscious of its corporate and ethical responsibility towards the planet and its people, as well as the necessity to commit to a more sustainable model of luxury to remain resilient in the future, Kering has placed sustainability at the core of its strategy for the long-term under the leadership of company Chairman and CEO François-Henri Pinault.

Launched in 2017, the latest component of this strategy, entitled "Crafting Tomorrow's Luxury", establishes a roadmap to help shape the future of luxury as sustainable and includes a series of ambitious targets to be achieved by 2025, with three key themes: the environment (CARE), social welfare (COLLABORATE) and innovation (CREATE).

Convinced of the crucial role that companies have to play in the face of environmental volatility including the loss of biodiversity and the diminishing natural resources as a consequence of climate change, but also of the link between the preservation of ecosystems and the continued success and resiliency of the company, Kering has made biodiversity protection a key component of its business strategy.

As a leader in the Luxury sector, the nature of Kering's brand's product offerings and the associated high level of quality requirements mean that the company is highly dependent on raw materials of natural origin such as wool, cashmere, leather, cotton and silk, and consequently, Kering's continued success relies on well-functioning ecosystems that support their production. Climate change will have significant consequences, which can easily disrupt these ecosystems, so it is key to build resiliency into these raw material supply chains and find innovative approaches to do so.

Moreover, as Kering's Environmental Profit and Loss Account (EP&L) makes clear, the most significant environmental impacts of the group's activities take place upstream of the supply chain, at the raw materials sourcing and production level, which is also where the majority of the impacts on biodiversity occurs.

Kering's commitment to biodiversity is divided into four main areas

1 Improving the measurement of ecosystem services and biodiversity (in accordance with points 1, 2, 3 and 10 of the common commitment)

Making insightful and effective decisions for biodiversity preservation requires knowledge to be shared and adapted to suit the nature and potential impact of specific business activities.

Kering therefore intends to continue working with scientists and academics to better take biodiversity into account when measuring its impact on the natural environment, and to measure this impact on the worldwide scale of the company.

■ To this end, from 2019:

- Kering is committed to improving the inclusion of biodiversity and ecosystem services in its Environmental Profit and Loss Account and to improving the data and knowledge base underlying these assessments, in particular by supporting and sponsoring international scientific and academic initiatives seeking to produce data and metrics that are relevant to making well-informed business decisions as related to biodiversity. Specifically, Kering will pilot the Healthy ecosystem metric indicators it developed with Cambridge.

- Together with other stakeholders in the industry, Kering is committed to defining a Science-Based Target for biodiversity with the aim of helping to determine the acceptable limits of the Luxury sector's business activity on ecosystem services and biodiversity overall.

In the interests of transparency, which is an underlining mandate for Kering, studies related to these commitments will be published each year, just as the report on its group Environmental Profit and Loss Account results has been published annually since 2015.

2 Respecting biodiversity in the supply chain (in accordance with points 4, 5 and 8 of the common commitment)

The Kering Standards for Raw Materials and Manufacturing Processes, published in early 2018, include biodiversity protection criteria for each of the group's key raw material supply chains, with specific commitments by 2025 and minimum requirements in the immediate.

■ By 2025:

Kering is committed to 100% of its supply chains meeting the Kering Standards relating to the protection and sustainable use of plant and animal species, to the promotion of organic and regenerative agriculture, and to supporting wildlife-friendly farming practices.

■ Furthermore, by 2020:

Kering is committed to training 100% of its design and production teams and 100% of its key suppliers on the Kering Standards and the biodiversity conservation issues relating to the company's business activities.

3 Creating positive impacts on biodiversity
(in accordance with points 5, 6 and 9 of the common commitment)

In addition to ensuring that its business activities have no negative direct or indirect impact on biodiversity, Kering aims to increase the abundance of biodiversity in the environments where the group sources its raw materials. Furthermore, the company intends to support the regeneration of natural environments that have been impoverished by agricultural overexploitation and unsustainable farming practices.

Kering also seeks to support ecological balance and the renewal and conservation of species that are used in its precious skins supply chain. One such example is the contribution Kering has made towards a more sustainable python trade in Southeast Asia through its Python Conservation Partnership with the International Union for the Conservation of Nature and the International Trade Centre.

In order to highlight and promote the effects of this approach:

■ Kering is committed to developing large-scale ecosystem and biodiversity regeneration programs for each of its key natural raw materials (cashmere, wool, leather, cotton, etc.), thus contributing to the regeneration of one million hectares of land by 2025 via pilot programs such as its Sustainable Cashmere Project for the regeneration of natural plains and

the protection of wildlife in Mongolia, both threatened by the overexploitation of cashmere supply chains.

■ From 2018, Kering committed to opening up its snake protection program in Southeast Asia to all Luxury companies via the SARCA (South East Asia Reptile Conservation Alliance) initiative and to supporting conservation programs for these species.

■ Kering is committed to continuing its support for reforestation projects by offsetting 100% of its Scope 1 and 2 greenhouse gas emissions via the REDD+ (Reducing Emissions from Deforestation and Forest Degradation) programs.

4 Championing biodiversity among all stakeholders
(in accordance with points 2 and 10 of the common commitment)

Kering believes that it is essential for the entire private sector to act alongside governmental agencies, NGOs, scientists, academics and civil society representatives, to champion an economy and a society that exists in harmony with a flourishing biodiversity around the world.

Kering will therefore continue to take a leading industry role at numerous international biodiversity conferences each year and continue to work closely with its stakeholders to raise awareness and advocate the importance of biodiversity.





LafargeHolcim

Bénédicte de BONNECHOSE
CEO France

<https://www.lafarge.fr/politique-biodiversite>

LAFARGEHOLCIM'S INDIVIDUAL COMMITMENTS IN *act4nature*

Our plan for 2030: Building for tomorrow

In the context of urbanisation and its increasing impact on the planet and its inhabitants, the group is developing innovative construction products and solutions which embody a strong commitment to sustainable development.

These commitments, combined under the 2030 Building for Tomorrow plan, address 5 objectives:

- **Innovation:** achieving 1/3 of the group's turnover thanks to particularly efficient solutions in terms of sustainable development.
- **Climate:** reducing our 2030 CO₂ emissions per ton of cement by 40% compared with 1990 levels.
- **Circular economy:** multiplying by 4 our volume of recycled aggregates from construction and demolition waste.
- **Water & biodiversity:** reducing the use of water on our sites, starting with those located in areas impacted by water scarcity, and fostering positive change in terms of biodiversity.
- **Populations & communities:** promoting equality and diversity at all levels and reaching our zero-accident goal in the area of health and safety.

LafargeHolcim, a pioneer in biodiversity

Conscious of its role in the conservation of biodiversity on its sites, LafargeHolcim draws on 50 years of know-how in reclaiming its quarries and putting biodiversity at the forefront during and after operations.

At the beginning of the 70s, the group adopted several measures which predated regulations in terms of biodiversity in France, Kenya and the United Kingdom.

In the 80s, more and more partnerships were formed with local natural science organisations.

In 1992, at the Rio Summit, the group signed a convention on biological diversity. In 1995, a partnership with the French National Museum of Natural History has been concluded to increase its knowledge of living things on quarry sites.

In 1999, Lafarge and Holcim created a cement initiative for sustainable development aiming to reduce the environmental impacts of their activities.

In 2000, Lafarge became the first manufacturing company to partner with the World Wildlife Fund, a collaboration that namely led to the creation of the long-term biodiversity index (IBL) on its quarries.

In 2009, in the U.S., a first study took place to analyse and assess the value of services which ecosystems provide to businesses.

The partnership with the IUCN started in 2007 guided the biodiversity approach in France for several years.

In 2012, the Ministry of Environment recognised LafargeHolcim's commitment to the National Biodiversity Strategy. In 2017, LafargeHolcim signed an agreement with the NGO Fauna & Flora International (FFI).

A long-term biodiversity strategy for France

In 2010, the environmental study conducted in France in collaboration with the WWF revealed that several quarries were located in or near (500m) priority biodiversity areas. These sites are within international protection areas such as IUCN categories I to IV, national parks, IBAs and Natura 2000 areas.

Today, 94.1% of our quarries located in priority zones are exploited according to a biodiversity management plan.

By 2030, 100% of these quarries will be managed with a plan.

In France LafargeHolcim is engaged in a continuous improvement process in terms of biodiversity management and developed an action plan for its 400 sites (cement, aggregates, concrete). In our business lines, access to mineral resources is a priority, and our first steps to foster biodiversity were focused on the quarries.

The company is now expanding its actions to **limit the impact of its activities on biodiversity at each step of the value chain.**

The biodiversity strategy revolves around three axes, all with the common denominator of monitoring negative impacts on biodiversity:

- Understanding the biodiversity around us (**Axis 1**).
- Mobilising and involving employees (**Axis 2**).
- Co-creating and collaborating with external stakeholders (**Axis 3**).

LafargeHolcim France's commitments to biodiversity

LafargeHolcim undertakes a number of actions related to biodiversity. The main ones are presented here to give concrete examples of our commitment.

1 Knowing and understanding the biodiversity around us

LafargeHolcim commitments	Goals	Timeline	Indicators	act4nature
Integrate biodiversity in our products life cycle analysis.	Analysing the impacts of concrete on biodiversity.	by 2019	Biodiversity footprint of concrete.	1, 2, 3, 4 and 5
Inventoring biodiversity on our sites.	Fauna & Flora inventory on 100% of our sites.	by 2030	Number of sites having inventoried biodiversity.	
Rolling out Biodiversity Action Plans (BAP) on our sites.	100% of sensitive quarry sites to have a BAP.	by 2020	Number of sites with a biodiversity action plan.	

2 Mobilising and involving our employees

LafargeHolcim commitments	Goals	Timeline	Indicators	act4nature
Displaying biodiversity posters on our sites.	Display on 100% of the sites.	by 2025	Number of sites with a biodiversity display showing biodiversity actions.	1 and 8
Funding voluntary actions focused on biodiversity on our sites.	Initiating 10 voluntary projects per year.	by 2020	Number of voluntary actions performed.	
Training and informing the employees on the importance of ecosystems and how to reduce the negative impacts of our work.	100% of employees informed.	by 2030	Percentage of employees informed per year.	

3 Co-creating and collaborating with external stakeholders

LafargeHolcim commitments	Goals	Timeline	Indicators	act4nature
Participating in research programmes applied to the ecology of the sites.	Supporting at least one major research project on biodiversity every 5 years.	by 2022	Research project.	1, 2, 6, 7, 9 and 10
Continuing to establish partnerships with local experts.	100% of our sensitive sites to benefit from partnerships with local experts.	by 2030	Number of sensitive sites with a local biodiversity partnership.	
Communicating about biodiversity on our sites internally and externally.	Publishing at least 6 articles per year on biodiversity.	starting in 2018	Number of articles per year in internal and external communication.	
Participating in the National Biodiversity Strategy (SNB).	Validating SNB renewal.	2019	SNB label	



Charles KLOBOUKOFF
CEO

<http://leanature.com/2017/04/18/le-siege-de-lea-nature-agree-refuge-lpo/>

LÉA NATURE'S INDIVIDUAL COMMITMENTS IN *act4nature*

Léa Nature was founded in 1993 with the purpose of contributing to a better world through products that are good for people, their health and the environment.

Léa Nature develops, manufactures and distributes over 1,600 natural and organic food products, health and nutrition products, cosmetics and household products. A total of fifteen different brands of natural and organic products are commercialised through retail chains, specialised networks (pharmacies and organic stores) and on the internet.

Our increasing awareness of the importance of sustainable development has led us to undertake more and more environmental, corporate and social initiatives.

Since 2011, we have opted to follow ISO 26000 guidelines to structure and boost our policies.

Our CSR practices have been reviewed annually by ECOCERT since 2013 and given an "Excellence" rating based on ECOCERT 26000 standards, as well as the "Climate Commitment" certificate since 2016 and the "Biodiversity Commitment" certificate since 2017.

For Léa Nature, the choice of participating in *act4nature* comes naturally, and we are pleased to present our commitments to biodiversity conservation, detailed below.

■ Developing organic, premium, natural products that are increasingly harmless between now and 2019

Food - Nutrition - Health

- Manufacture dietetic products that are 100% FREE of palm oil (our food products have been palm-oil-free since 2010).

- 100% plant-based formulas for our health products (except for royal jelly).

- Improved planning for food safety, by doubling our analysis budget every two years (priority on pesticides and other contaminants).

Cosmetics and household products

- Remove all sulphated surfactants from our cosmetic formulas by the end of 2018.

- Remove all palm oil and derivatives from our foaming bath and hair products.

- Use at least 90% plant- or mineral-based raw materials.

- Formulate our natural cosmetics with at least 95% natural ingredients.

- Formulate 100% of all innovations (except for makeup, sunscreens and oral hygiene) entirely free of harmful substances (titanium dioxide, zinc oxide, silica oxide).

- Ensure our bath and hair products are 90% biodegradable by 2020 (OECD method).

- Draft a charter applying to the formulation of household products with higher standards than those found in ECOCERT specifications (NO isothiazolinone, 100 % harmless for the environment, etc.).

■ Develop the local economy by 2019

- Support our organic farming supply chains through the annual investment of 5% of our yearly profits.

- Manufacture 80 % of our products in France, with a priority on our factories.

- Leverage growth to invest in clean and high-tech manufacturing plants to offer industrial capabilities to local supply chains.

■ Reduce the environmental footprint of our packaging by 2020

Replace all petroleum-based plastics by recycled plastic or bioplastic:

- 95% of our bottles by 2020

- 95% of our flexible packaging by 2020.

■ Seek and implement sustainable energy solutions for our buildings and equipment (energy, emissions and waste)

- Systematically integrate eco-materials in all new constructions.

- Implement a biological wastewater processing system by bio discs in our new cosmetic factory in 2018.

Take concrete awareness-raising actions each year

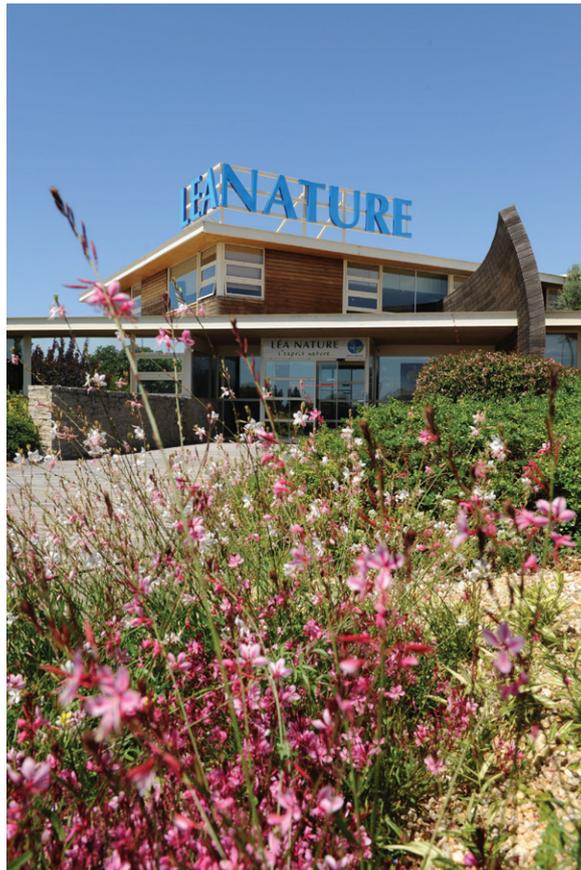
- Organise an "environment day" locally (for employees and the general public)
- Co-organise the Notes en Vert festival in Périgny while developing an increasingly earth-friendly approach.
- Call attention to general interest causes through awareness-raising campaigns.

Maintain our sponsorship of environmental and biodiversity conservation

- Contribute 1% of our total sales for our organic brands to supporting non-profit associations in four areas: ecological farming, environment and health, biodiversity and reforestation.
- Fund the planting of 1.6 million trees by 2020 (ongoing since 2007).
- Organise a request for tender for environmental projects, to be issued every two years by the Foundation.

Scope of these commitments:

The Léa Nature companies attached to the headquarters of the company located in Périgny (France, Charente-Maritime). Excerpts from our 2018-2019 general plan of commitments.



Jean-Paul AGON
CEO

<https://sharingbeautywithall.loreal.com/>

L'ORÉAL'S INDIVIDUAL COMMITMENTS IN *act4nature*

Limiting the impact of our activities on biodiversity

1 Focus on the use of renewable raw materials and ensure that sourcing respects biodiversity

The conservation and responsible use of biodiversity are central to L'Oréal's sustainable sourcing policy. As early as 2005, L'Oréal made a commitment to use its plant-based raw materials in ways that respect the principles of the Convention on Biological Diversity.

In 2017, 59% of raw materials used in group products were plant-based.

Our sustainable sourcing policy, shared with our suppliers, puts preserving biodiversity and ensuring the fair and equitable sharing of its benefits at the heart of the principles guiding our action: it promotes responsible growing and collection practices, which ensure respect for people and ecosystems, while giving priority to soil, water and forests.

Our commitments:

- By 2020, we will have raised the awareness of all our suppliers about the importance of conserving biodiversity,
- By 2030, 100% of our renewable raw materials will be sustainably sourced.

Contribution to common commitments 1, 3, 4 and 10.

2 Combat deforestation

Since 2007, L'Oréal has been rolling out action plans to ensure the sustainable sourcing of agricultural commodities that could give rise to deforestation: palm oil and its derivatives, soya oil and its derivatives, and wood fiber-based products. Since 2012, 100% of the group's palm sourcing has been RSPO-certified.

In 2014, L'Oréal made a commitment to Zero Deforestation.

Our commitments:

- By 2020, no L'Oréal product will be linked to any form of deforestation,

- By 2020, all agricultural commodities that could give rise to deforestation - palm oil and its derivatives, soya oil and its derivatives, and wood fibre-based products – will be from known sustainable sources,

- For its paper, board and wood packaging, the group has set itself the targets of using only materials from forests that are sustainably managed and respect biodiversity, and of achieving 100% certification by 2020 for all materials of these types.

- In addition to the traceability and sustainable certification initiatives already under way, L'Oréal will continue to develop and support projects in production zones to promote more sustainable cultivation, and to restore damaged natural habitats, particularly in Indonesia (with the protection of high conservation value areas, REDD+ forest conservation, and the restoration of peatlands).

By 2020, approximately one-third of our palm sourcing will be from or near projects of this type.

- Lastly, L'Oréal has set itself the target of becoming carbon balanced by 2020, by balancing 100% of the group's remaining greenhouse gas (GHG) emissions (scope 1, scope 2 and downstream transportation of products in scope 3 under the GHG Protocol) by inserting initiatives, meaning reducing emissions from our sourcing activities, for example through programmes for reforestation or the protection of carbon sinks, and the promotion of more sustainable agriculture practices.

Contribution to common commitments 2, 5, 6 and 10.

3 Ecodesign / Improve the environmental profile of our products (formulas and packaging)

For several years now, L'Oréal has been analysing the life cycle of its products to identify and assess their impacts on the environment. The studies show that, for rinse-off products, one of the main environmental impacts is linked to the quantity of water used and the quality of the rinse-off water during use. The group is striving to measure the environmental impact of its formulas and to minimise it by improving their biodegradability, so as to minimise potential impact on biodiversity.

L'Oréal is also committed to limiting the impact of its packaging on the environment.

To assess the environmental and social impact of its finished products and measure its progress, L'Oréal recently issued its development teams with a new Sustainable Product Optimisation Tool (SPOT), in line with methodologies developed at European level under the PEF initiative which take biodiversity impact into account. The tool has been introduced across all the group's brands.

Our commitments:

- By 2020, 100% of L'Oréal products will have an improved environmental or social profile, thanks to the improvement of the environmental profile of their formulas (biodegradability and water footprint, use of renewable raw materials from sustainable sources) and their packaging,
- By 2025, 100% of our plastic packaging will be refillable, reusable, recyclable or compostable,
- We will share our methodological work for our SPOT tool with the scientific community and with the representatives of the authorities (French Environment & Energy Management Agency - ADEME, Joint Research Centre of the European Commission, French Ministry for the Environment & Responsible Development, and the European Commission).

Contribution to common commitments 3, 4, 7, 8 and 10.

4 Promote biodiversity on our industrial sites and campuses

Since 2016, biodiversity protection has been an integral part of the management programme of the industrial, administrative and Research sites operated by the group. Awareness-raising initiatives, and programmes and projects aimed at protecting or developing biodiversity, are currently being prepared or rolled out in ways that take the environment of each site into account.

Our commitments:

- Biodiversity guidelines will be issued to all group sites worldwide in 2018 and 2019,
- Each group plant must have completed its initial local biodiversity initiatives by the end of 2019,
- By 2020, 100% of the sites operated by L'Oréal must have a project aimed at sustainably protecting and contributing to the development of local biodiversity,
- By 2025, 100% of L'Oréal's industrial and administrative sites will be carbon neutral,
- By 2030, L'Oréal will have cut its direct and indirect CO₂ emissions by 25%.

Contribution to common commitments 5, 6, 8 and 10.

5 Support biodiversity Research

L'Oréal, in conjunction with various research bodies worldwide, is committed to enabling a better knowledge of the biodiversity of ecosystems.

Our commitments:

- In marine biodiversity, we will continue to support the work of the Tara Foundation, with which we have a multi-annual partnership to fund scientific research into endangered marine ecosystems. We will continue our scientific collaboration with the Scientific Centre of Monaco to assess the impact of raw materials on coral, which represents up to 30% of marine biodiversity (with the development of methods and scientific publications). We will achieve a minimum of one scientific publication each year on a biodiversity-related issue with one of these centres.

Contribution to common commitment 9.

LVMH'S INDIVIDUAL COMMITMENTS IN *act4nature*

LVMH and its Maisons have always viewed preserving the environment not only as an obligation, but as an imperative. The design and manufacture of luxury goods require innovation, creativity and flawless execution, and environmental performance is integral at every stage in this process.

Created in 1992, the LVMH Environment Department has made the use and sustainable management of biodiversity a key focus of its environmental policy, for its raw materials sourcing as well as for its product manufacturing and its production sites. The group Managing Director signed LVMH's commitment to the National Biodiversity Strategy in 2011.

This strategy is implemented at the national level, but also at group level, which spreads over more than 90 countries.

In addition to the risk of overexploitation of natural resources (animal, plant and forest) that may directly impact it, the group is aware of all the factors responsible for the erosion of biodiversity and has adopted a strategy to improve its performance which sets the Maisons four common environmental objectives. The aim is to avoid and reduce the use of natural resources, including energy resources contributing to the emission of greenhouse gases, limit the degradation of habitats and reduce pollution.

All four concrete objectives, shared by all Maisons, are to be achieved by 2020:

■ **Product objective:**

improve the environmental performance of all our products, taking into account their full Life Cycle;

■ **Supply Chain objective:**

apply the highest environmental standards across 70% of our procurement chains, and achieve 100% in 2025;

■ **CO₂ objective:**

emissions from energy consumption by 25% compared with 2013 and use more than 30% of renewable energy;

■ **Site objective:**

further improve the environmental performance (waste, water and energy consumption reduction) of all sites and stores by at least 10%.

The progress of this strategy and the achievement of the objectives will be subject to audit, validation then publication by the Statutory Auditors each year.

In the same context, the consumption and origin of the natural resources used will also be verified annually.

The group is committed to a controlled and reasoned management of natural resources and its objectives for 2020 are as follows:

- 70% of the leathers used by the group to come from tanneries under the Leather Working group certification, then 100% in 2025;
- 100% of the crocodile farms that supply our Heng Long tannery to be certified, in particular regarding animal welfare, by an independent third party;
- 70% of its cotton to be certified organic or Better Cotton or recycled or fairtrade, then 100% in 2025;
- 70% of purchased farmed furs to be certified, then 100% by 2025;
- more than 50% of purchased palm oil derivatives RSPO certified by 2018.

Concerning its productive areas, mainly planted with vineyards or plant species with cosmetic or perfuming properties, the LVMH group applies a policy to control its impact on biodiversity, raise awareness among its partners and support change for its local suppliers.

The aim of the group is that 100% of its vineyards will be certified at the end of 2020 with recognised international or national certifications, such as organic farming.

For our supplies from other winegrowers, a performance monitoring indicator based on these certifications will be implemented in 2018. The objective is to achieve a positive long-term evolution, initiated and accompanied by the Wine & Spirits branch.

LVMH is committed to ensuring that its suppliers, subcontractors and employees are aware of the issues regarding environment, ecodesign (restraint in the use of resources) and biodiversity (biodiversity issues, compliance regulations, origin and certifications of raw materials) and be accompanied to change their practices.

External and internal trainings as well as audit campaigns are regularly organised. The number of training hours provided by our Environment Academy serves as a monitoring indicator.

For example, the objective of the Perfumes and Cosmetics branch is to have 100% of its buyers trained for supplier environmental audits by the end of 2019.

As part of its commitment to biodiversity, and for an implementation conducted in a scientifically sound manner, LVMH strives to support fundamental and applied research in this area.

Since 2014, the group has become a founding member of the Foundation for Research on Biodiversity (FRB) and is committed to contributing financially to the development of scientific knowledge, in ecology and biodiversity economics. It supports these and research projects and contributes to the transfer of this knowledge from the sphere of science to the firm and its value chains.



Fabrice DOMANGE
CEO France

<https://www.marsh.com/si/en/services/environmental-risk.html>

MARSH'S INDIVIDUAL COMMITMENTS IN *act4nature*

Marsh is a leader in risk management and insurance advising. The emergence of liability for natural resources such as water, wildlife and natural habitats with the introduction of the European Directive 2004/35 / EC was a revolution in our business. Until that date bodily injury or property damage caused to third parties were the principal liabilities within the insurance sector.

Marsh is the only broker on the French market having created in the early 2000s an environmental risk practice. We are part of a global practice with more than 60 dedicated experts. With more than 32,000 employees in nearly 80 countries and representation in 50 complementary countries, Marsh is a partner in the Global Risk Report of the World Economic Forum.

Marsh as the leading provider of business for major insurers continues to use all its influence in close collaboration with environmental risk insurers, to innovate, to constantly adapt risk analysis, coverage and biodiversity restoration to a changing environment. We seek to alert our clients upfront about their new exposures. We further encourage them to integrate these new exposures into their business models. We finally work to provide them with adequate guarantees and try to give value to their engagement in environmental risk prevention by optimising their insurance premium.

Our actions for the period 2018-2020

More particularly in the context of the common commitments 1, 3, 5, 8 and 9 Marsh France commits to:

- Strengthen the scope of environmental risk prevention audits with respect to biodiversity exposure to better take into account new risk factors in addition to the traditional distance of a site from a protected area. Marsh is committed to creating partnerships with the world of research, insurance and prevention.

→ Indicator:

Publication of the research result.

- Incorporate biodiversity, where applicable, into our property damage, fire and explosion audits, as they are more frequent than other audits.

To achieve this, we will create synergies between our MRC (Marsh Risk Consulting) and the Environmental Practice. The traditional objective of these audits is the prevention and minimisation of material claims, but the aspect of damage to third parties is also often integrated. Taking biodiversity risks into account will open a new dimension for these audits.

→ Indicator:

Number of audits carried out incorporating a biodiversity risk / total number of audits per year.

- Set up a system for monitoring biodiversity losses with respect to development risk. This stems from the fact that scientific knowledge is rapidly evolving. It cannot be ruled out that even if certain releases are permitted because no negative impact on biodiversity is assumed at present, they can ultimately generate a loss of biodiversity.

Marsh is developing specific coverage elements with our insurance partners to cover these development risks, not related to an accident and generally excluded by the markets.

→ Indicator:

Number of alert loss cases sent to our customers per year.

- Qualify experts for biodiversity claims so that they are even more recognised by the profession and our customers.

→ Indicator:

Number of qualified experts per year.

- Continue to distribute an internal biodiversity training for employees.

→ Indicator:

Number of trainings per year.



Jean-Dominique SENARD
CEO - Chairman of EpE

<https://www.michelin.com/eng/>

MICHELIN'S INDIVIDUAL COMMITMENTS WITHIN *act4nature*

Michelin aims to improve its customers' mobility sustainably. A leader in sustainable mobility, Michelin designs, manufactures and distributes tires, services and solutions, and high-technology materials, and enables its customers to enjoy unique mobility experiences. To carry out their business sustainably, all companies depend on ecosystems and biodiversity for services such as the supply of plant-based raw materials and water, and the regulation of the climate. Michelin is no exception: it relies on a supply of raw materials, including natural rubber, textile fibers, and water. Like any company emitting greenhouse gases and generating

waste gases, liquids and solids, Michelin also places demands on ecosystems in terms of their regulation (climate, air quality) and treatment (sewage, waste) functions.

Today, as pressure grows on ecosystems, preserving the effectiveness of ecosystems is an essential precondition for sustainable economic growth.

The Michelin group is committed to designing mobility products and services that are respectful of ecosystems, to preserving local ecosystems in the vicinity of all its sites, and to supporting sustainable rubber production.

Section	Commitment	Commitment achievement metric	Dates
Governance	Determine the group's 2030 biodiversity vision.	The 2030 biodiversity vision has been set.	2019
Dialogue with Stakeholders	Add this subject to the agenda of the External Stakeholders Committee ⁽¹⁾ .	Added to the agenda for each annual meeting of the External Stakeholders Committee.	2018
Natural rubber	Have our suppliers adopt the "Sustainable Natural Rubber Commitment" ⁽²⁾ and add questions about biodiversity to the Rubberway ⁽³⁾ questionnaire.	Indicator 1: number of natural rubber (NR) contracts including a "Sustainable Natural Rubber Commitment" clause/total number of NR contracts. Indicator 2: Addition to Rubberway of questions about biodiversity. Indicator 3: Volumes purchased by the group mapped with Rubberway.	100 % in 2019 2019 > 80 % in 2020
	Ensure that the "Sustainable Natural Rubber Commitment" is applied in plantations in which Michelin has a financial stake.	All plantations in which we have a financial stake comply with the "Sustainable Natural Rubber Commitment".	100 % in 2020
Manufacturing facilities	Incorporate the presence of protected areas and species in the immediate vicinity of sites into the environmental risk assessments for sites and associated action plans.	Number of sites having drawn up their inventories.	2020
Research and Development	Integrate the impact of our main raw materials (TRL ⁽⁴⁾ >4) on ecosystems into the life cycle assessments of our tires.	Level of integration of materials' impacts on ecosystems into the life cycle analyses of new tires ⁽⁵⁾ .	Pilot in 2019

(1) The stakeholders committee includes the following stakeholders: NGOs, including WWF, universities, international institutions, trade unions, customers, suppliers.
(2) The Sustainable Natural Rubber Commitment sets out precisely the conditions for the production of this material, both in environmental terms (zero deforestation, the creation of sanctuaries in HCV (High Conservation Value) and HCS (High Carbon Stock) zones and peatlands), and in terms of employment and human rights (working conditions, prior, voluntary and informed consent of the populations concerned).
For more information visit <https://purchasing.michelin.com/en/responsible-management-natural-rubber-supply-chain/>
(3) Online questionnaire aimed at the various actors in the upstream natural rubber supply chain, tailored to the 4 types of respondent (small plantations and plantations over 45 ha, intermediaries, and natural rubber processing plants).
(4) TRL: Technology Readiness Level.
(5) Number of life cycle assessments (LCAs) carried out factoring in these impacts/total number of LCAs carried out.

MIROVA'S INDIVIDUAL COMMITMENTS IN *act4nature*

Mirova, the affiliate of Natixis Investment Managers dedicated to sustainable investment, has built a platform dedicated to the conservation of the biodiversity and natural capital with the acquisition of Althelia Ecosphere ("Althelia"), an impact asset management company, in September 2017.

The platform, with teams located in Paris, London and Lima, develops innovative investment solutions dedicated to the mitigation of and the adaptation to climate change and the protection of landscapes, biodiversity, soils and maritime resources. The platform aims to support the scaling up of the "natural capital" asset class thanks to a strategic vision of its growth, robust investment processes and appropriate support functions. Thus, Mirova is positioned as a pioneer in financing the sustainable management of natural resources and biodiversity conservation.

The natural capital platform benefits from Althelia's proven technical expertise, recognised know-how and four-year track-record in conservation finance – a great addition to Mirova's existing project finance capabilities as well as the environmental, social, and supply chain experts already involved in the LDN Fund project (please see below). Put together, these resources provide the strategic vision for growth, strong investment processes, and support functions needed to scale up this natural capital investing business.

The "Althelia Funds" include the following initiatives:

- Althelia Climate Fund (ACF)1: a €101M initiative launched in 2014 in collaboration with Conservation International, supporting projects of agroforestry and sustainable management of ecosystems;
 - Sustainable Ocean: under development in collaboration with Conservation International and Environmental Defense Fund, this initiative is dedicated to sustainable fisheries and aquaculture;
 - Land Degradation Neutrality : under development, this initiative, launched in 2017 in collaboration with the United Nations Convention to Combat Desertification is dedicated to the restoration of degraded land and sustainable management of soils; and
 - Madagascar: under development, in collaboration with the Green Climate Fund, this project is dedicated to family farming and access to energy in Madagascar.
- As a result, Mirova is a pioneer in the financing of natural resources, sustainable land management and biodiversity conservation.

Within the development of these activities, Mirova makes the following commitments

Commitment # 1 Mobilise substantial capital for biodiversity

Develop the Althelia Funds range and promote the asset class to institutional investors.

Actions	Deadline
Mobilise 1 billion euros for biodiversity and natural capital through the Althelia Funds range	2022

Commitment # 2 Publish impact indicators and contribute to their improvement

Contribute to the definition of biodiversity impact measurement indicators for financial activities (investment and financing) by developing a collaborative approach.

Actions	Deadline
Publication of annual impact reports on Althelia funds and specify the choice of indicators and methodologies	As of 2018
Contribute to working groups to bring out common practices, especially within Finance for Tomorrow	2018

Commitment # 3 Advocacy and coordination

Spread the word of biodiversity and natural capital to various forums, particularly concerning sustainable finance.

Actions	Deadline
Be active within the frame of Finance for Tomorrow to help coordinate actions related to biodiversity.	As of 2018
Contribute to or support the organisation of events on the theme of finance and biodiversity	2018

NESPRESSO'S INDIVIDUAL COMMITMENTS IN *act4nature*

Our objectives and commitments for 2020

Nestlé Nespresso SA is the pioneer and reference for highest-quality portioned coffee and focuses on two segments of the market: "Business-to-Consumer" and "Business-to-Business". Nespresso is present in France via a network of 32 stores, the Nespresso Club and its website. Nespresso's CSV strategy, "The Positive Cup", revolves around 4 major areas: Coffee, Climate, Aluminium and Company.

1 COFFEE

Ensure the sourcing of sustainable quality coffee™, contributing to improving the livelihood of farmers, the resilience of their communities and to protect the local biodiversity.

Target 2020:

Source towards 100% of our permanent coffees through the Nespresso AAA Sustainable Quality Programme™.

In terms of biodiversity, the target includes: using our TASQ⁽¹⁾ (Tool for the Assessment of Sustainable Quality) to ensure that producers comply with the best practices outlined by the Rainforest Alliance, which is then verified by the NGO members of the Sustainable Agriculture Network (SAN) using our Monitoring and Evaluation tool⁽²⁾.

■ Examples of TASQ best practices:

All natural ecosystems present on the farm shall be identified, protected and restored. This includes forests, rivers and wetlands. There are no visible indications of degradation or destruction of high conservation values areas attributable to farming, deforestation or slash-and-burn agricultural practices.

Producers shall take all necessary steps to: protect threatened or endangered species, avoid the introduction of genetically modified materials and prevent soil erosion.

■ Examples of criteria from the Monitoring and Evaluation tool:

Zero deforestation, no use of banned agrochemicals, no illegal hunting, protection of natural forests, protection of water sources and rivers, waste and wastewater management, soil conservation practices.

2 CLIMATE

Take integrated actions on climate change, including farmer adaptation.

Target 2020:

Strengthen coffee landscape resilience through extensive tree planting towards 5 million.

In terms of biodiversity, the target includes: protecting habitats to enable endemic species to reproduce, and wild plant and animal populations to settle, creating biodiversity corridors.

3 ALUMINIUM

Manage aluminium sustainably from end to end.

Target 2020:

Procure towards 100% of our primary from ASI certified source (Aluminium Stewardship Initiative).

In terms of biodiversity, the target includes: the ASI initiative, which was initiated by Nespresso and co-developed with IUCN and major players in the sector, has established a set of requirements for protecting biodiversity⁽³⁾ (Principle No. 8) at every step of the value chain (from extraction to transformation). Complying with the standard, accredited companies commit to not starting new operations on world heritage sites. This principle also requires to carry out a materiality assessment and biodiversity impact evaluation all along the value chain with the following requirements:

- The implementation of action plans to avoid critical biodiversity risks.
- The protection of certain areas against the introduction of foreign species.
- The application of the No Net Loss/Net Positive Impact principle in order to minimise, mitigate and compensate for any negative impacts.

Principle No. 8 of the standard is subject to continuous testing in order to best address the challenge of biodiversity⁽⁴⁾.

(1) <https://www.nestle-nespresso.com/asset-library/Documents/Nespresso-AAA-TASQ-2016.pdf>

(2) <https://www.nestle-nespresso.com/asset-library/documents/nespresso-positive-cup-csv-report-interactive.pdf>

(3) <https://www.iucn.org/theme/business-and-biodiversity/our-work/business-partnerships/nespresso>

(4) <https://www.iucn.org/theme/business-and-biodiversity/our-work/business-platforms/cons%C3%B3rcio-cerrado-das-aguas>

4 COMPANY

Engage everyone in our company, our partners and consumers in the benefits of sustainable production and consumption that is more respectful of biodiversity.

Target 2020:

Invest CHF 500 million in The Positive Cup agenda (2014-2020) both through the company's own programmes as well as through wider collaborations with the objective of increasing net positive impact at landscape level.

In terms of biodiversity, the target includes: Since 2013, the company has established an external governance body, the Nespresso Sustainability Advisory Board, composed of experts and leaders in sustainability. The objective of the Board is to share insights and experiences and to provide Nespresso with CSV strategy guidance. It includes representatives from leading organisations in the field of biodiversity, such as the president of the IUCN, Inger Anderson; the president of the Rainforest Alliance, Han de Groot; the founder of the Rainforest Alliance, Daniel Katz; and the president of the WBCSD, Peter Bakker.

Our tools for action

The AAA Sustainable Quality Program™

The AAA Sustainable Quality Program™ is Nespresso coffee sourcing programme, which has been developed and implemented since 2003 together with The Rainforest Alliance. Building on long standing relationships between agronomists and producers, it promotes the adoption of sustainable agricultural practices both on-farm and at landscape level towards improved productivity and quality. Since 2014, it has evolved to also focus on developing innovative solutions to socio-environmental challenges of the communities. The programme is supported with a tool that enables the implementation and monitoring of collective and individual action plans. The benefits for producers are numerous: Technical assistance, training, quality premiums and inclusion in local initiatives such as the pension plan in Colombia. Thanks to our network of more than 450 agronomists, the programme now covers more than 75,000 producers in 12 countries. Nespresso invests more than CHF 35 million in this programme each year.

Aluminium Stewardship Initiative

The ASI legal entity was created in 2015 as an independent, multi-stakeholder organisation with a mission to collaboratively forest responsible production, sourcing and stewardship of aluminium.

Civil society organisations have joined ASI as members to help build the programme to ensure it is credible and rigorous.

11 principles underpin the ASI performance Standard: Mining companies certified as ASI-compliant commit to manage their impact on biodiversity⁽⁵⁾.

Collaborative partnerships and platforms

The company today engages with more than 30 partners on the topic of Natural Capital. It is also contributing to many multi-stakeholder platforms in order to build upon and integrate Nespresso's programme into both sectorial and systemic level:

- The "Cerrado das Aguas" Consortium in Brazil⁽⁶⁾, which aims at protecting biodiversity as part of an integrated landscape management approach including the positive impact of coffee cultivation.
- The International Platform for Insetting (IPI) which aims at supporting companies in their insetting approach⁽⁷⁾.
- Natural Capital Coalition: a collaborative knowledge and best practices platform promoting the Natural Capital protocol for companies' improvement in decision-making processes.



(5) <http://aluminium-stewardship.org/wp-content/uploads/2014/12/ASI-Performance-Standard-v1.pdf> (p. 25)

(6) <https://www.iucn.org/theme/business-and-biodiversity/our-work/business-platforms/cons%C3%B3rcio-cerrado-das-aguas>

(7) <https://www.nespresso.com/entreprise/actualites/3089-nespresso-france-propose-une-offre-de-café-100-neutre-en-carbone.html>



Christophe CORNU
CEO

<https://www.nestle.com/csv>

NESTLÉ'S INDIVIDUAL COMMITMENTS IN *act4nature*

Nestlé markets some one hundred brands of products in France for human consumption and for dogs and cats, for a turnover of a little more than 4 billion euros.

We have 23 production sites in France with 13,000 employees producing a little more than 3.5 million metric tons of finished products each year.

Individual commitments, along with the power of collective actions locally

The Nestlé group in France works in line with the Nestlé group's dynamic for the preservation of biodiversity in all activities. The group's website and its annual report give a public view of the results obtained and of our future commitments to these challenges. Most of our commitments will be phased in until 2020, with our progress and results being updated every year and made public.

- Commitment 18 on sustainable procurement:

By 2020, 80% of our 12 priority raw materials will be traceable and 70% will be sustainable (voluntary commitments verified by independent third parties), notably in terms of biodiversity.

- Commitment 41 on the conservation of natural capital, including forests: commitment for 2020 on "Zero Deforestation" for all of our supplies. Tropical forests are home to 70% of the world's biodiversity.

The resources that we have applied to verify these commitments include the Starling programme¹ launched in Paris in 2017 in collaboration with Airbus and TFT² and aimed at using radar and satellite images to verify our 2020 Zero Deforestation commitments and to dialogue with our suppliers.

Initiated for the palm oil sector in Southeast Asia, it will progressively be expanded to other concerned sectors on all continents.

We are convinced that all the stakeholders, no matter how large, cannot truly change things unless collective actions are undertaken alongside individual actions.

More specifically in France, we want to promote two essential collective initiatives directly related to our *act4nature* commitment:

Creation of the Alliance for Forest Conservation

Since 2014, Nestlé France has held the Vice Presidency of the French Alliance for Sustainable Palm Oil, whose objective is to transform the sector in France to achieve 100% certified supplies for all its members starting in 2015. This Alliance was essential for improving the footprint of a controversial sector responsible for a large share of the tropical deforestation in Southeast Asia.

With the results it obtained and its improved credibility amongst NGOs and the public authorities, Nestlé France actively contributed to its transformation into an "Alliance pour la Préservation des Forêts" (Alliance for Forest Conservation) on 11 April 2018. Its ambition is to mobilise all concerned sectors (cacao, coffee, wood, soybeans, rubber, palm oil, paper, etc.) for a threefold objective:

- Achieve our "Zero Deforestation" objective for 2020 more effectively;

- Share monitoring tools, projects, resources, etc. with all stakeholders, notably through the multiplication of multisector "territorial projects";

- Actively contribute to the SNDI (National Strategy against Imported Deforestation) put forward by the French government with the creation of a joint platform (NGOs, public, private) and a support fund for producer countries to combat deforestation.

Putting living soil back into the heart of the stakes facing the agricultural sector in France

Over 70% of the environmental impact (carbon, water, biodiversity) of our products lie upstream in agricultural production. The worldwide problems of erosion and the progressive "death" of farmland are particularly acute in France, as it is estimated that more than 90% of the soils in France lose organic matter each year.

Beyond the "Preference" progress strategy which, for over 7 years, has been mobilising the three priority sectors (grain, potatoes and pork production) and more than 400 producers and breeders, Nestlé has been mobilised in 2017-2018 to promote "agriculture on living soil" in France.

Taking inspiration from the work by pioneer farmers in the field, notably in the APAD farmers' network, and with the support of the expertise of the teams at TFT for the transition of our supply chains, Nestlé is launching several pilot programmes in France directly with producers or in connection with agricultural cooperatives.

¹ <http://www.starling-verification.com/>

² <http://www.tft-earth.org/>

This initiative should have a ripple effect in all areas where it is to be launched (our main supply basins in France) to unite all the stakeholders (farmers, cooperatives, other industries, distributors, Chambers of Agriculture, Water Agencies, etc.) to preserve soils directly in keeping with the orientations C & D laid down by the SNB (National Biodiversity Strategy).

The heart of this work is agronomic, making it possible to sustainably eliminate the systematic use of synthetic fertilisers and pesticides in our current agricultural model, probably with a strong impact on ecosystems and human health.

At 23 industrial sites in France, Nestlé processes over 700,000 metric tons of raw agricultural materials, 70% of which are French in origin.

The group's ambition in France is to be able to ensure our consumers that, by 2025, 100% of these raw materials will come from farms committed to the soil conservation agricultural model or from organic agriculture, recognised by official labels issued by the public authorities (such as Haute Valeur Environnementale [High Environmental Value] or Agriculture Biologique [Organic Agriculture]).



Alain DININ
CEO

<https://www.nexity.fr/groupe/rse/immobilier-responsable/preserver-territoires>

NEXITY'S INDIVIDUAL COMMITMENTS IN *act4nature*

Conscious of its instrumental role for preserving biodiversity, Nexity is committed to integrating nature into its strategy, operations and associated business models. For this purpose, Nexity has signed the common pledge *act4nature*.

The following individual pledge details how Nexity intends to achieve the 10 common commitments, following the SMART principles⁽¹⁾.

Common commitments	Implications for Nexity	Objectives and timeline		
		Objectives	Start date	End date
1 Integrating biodiversity into our corporate strategy, basing our action on available scientific knowledge.	Two objectives dedicated to nature and biodiversity are formulated in Nexity's new CSR strategy.	Targets: 50% of new residential real estate projects must integrate green spaces. 100% of commercial real estate projects must integrate green spaces.	January 2018	End of 2020
2 Engaging in dialogue with all our stakeholders regarding their expectations and our impacts, actions and progress.	Nexity renews its materiality study in 2018 based on a dialogue with its stakeholders. Nexity will convene a Stakeholder Committee in the second half of 2018. On this occasion, biodiversity issues will be debated among other CSR issues.	1 materiality study on Nexity's CSR issues, including biodiversity and nature. 2 Stakeholder Committee meetings.	October 2018 mid-2019	End of 2019 mid-2019
3 Assessing the various components of biodiversity that affect us.	Nexity is committed to setting up a specific reporting system to systematically identify operations and initiatives for nature and biodiversity.	1 specific reporting system integrated into the general CSR reporting system.	June 2018	2020
4 Promoting the progressive integration of biological diversity into decisions throughout our value chains.	Nexity wants to develop biodiversity solutions throughout its value chain (from urban planning, to promotion, to property management for individuals and brokerage). To this end, Nexity is committed to creating a working group gathering different subsidiaries and working on the development of new business models integrating nature and biodiversity.	1 working group dedicated to the integration of nature and biodiversity along the value chain of the company.	September 2018	Ongoing

(1) SMART: Specific, Measurable, Attainable, Realistic, Timely.

Common commitments	Implications for Nexity	Objectives and timeline		
		Objectives	Start date	End date
5 Primarily preventing, reducing and ultimately offsetting our impacts, by seeking on a case-by-case basis no net loss as a bottom line and even a net gain of biodiversity.	Nexity will comply with the French Law on Biodiversity and raise awareness on the implications of this law for daily operations.	Two dedicated communication and awareness actions.	Beginning of 2018	End of 2018
6 Giving priority to the development of heterogeneous Nature-Based Solutions.	As part of the working group to be created on nature and biodiversity, Nexity is committed to providing concrete solutions to the various company's subsidiaries with identified partners.	One panel of possible solutions to provide to the company's subsidiaries related to nature and biodiversity.	September 2018	Beginning 2019
7 Incorporating biodiversity into our dialogue with policymakers so that this issue is progressively embedded into public decision.	Nexity is involved in ongoing work with the public sector and other organisations dedicated to biodiversity.	<ul style="list-style-type: none"> - Signature of the "100 hectares charter" of the City of Paris. - Exploratory work on the Biodiver-City® label on an urban planning project. - Participation in the first call for proposals "Parisculteurs". 	2016	Ongoing
8 Raising awareness of and train our employees in biodiversity and its relation to their jobs.	Nexity is committed to setting up an internal communication plan dedicated to nature and biodiversity.	<ul style="list-style-type: none"> - 1 podcast on nature and biodiversity. - 1 video on nature and biodiversity. - 4 posts on the company intranet. <p>Targets: At least 2000 views At least 800 likes At least 100 comments.</p>	January 2018	December 2018
9 Mobilising resources and establishing appropriate partnerships to support and monitor our actions taken in the field.	Nexity is committed to meeting various potential partners to undertake concrete actions on these topics.	Targets: At least 20 meetings At least 5 projects in which partners have been associated.	2016	Ongoing
10 Publicly reporting on the implementation of these commitments and of the individual commitments set out below.	Nexity will publish its progress in its integrated annual report on the integration of nature and biodiversity into its operations.	1 Reference document 1 Integrated Annual Report 1 updated website.	Beginning 2019	End of 2019



Jean-Luc PETITHUGUENIN
CEO

<https://www.paprec.com>

PAPREC'S INDIVIDUAL COMMITMENTS IN *act4nature*

Paprec group, French leader in the recycling industry, was founded in 1994 by Jean-Luc Petithuguenin. Our strategy is based on 2 pillars: professional excellence and environmental excellence.

Paprec business model is based on recycling waste into raw materials from recycling that are perfect substitute to primary raw materials. Paprec shares strong humanist values of respect and diversity which are at the core of its strategy. With 8500 employees and 210 industrial sites in France, Paprec aims at a greener Planet and a more fraternal society. Paprec is committed to tackling the challenge of biodiversity by acting closely within its territories and with strong ties with local stakeholders and experts, in a consistent way that reflects our will, and that is measurable.

Paprec will work with specialists and local experts on each site to identify the relevant actions to set up so as to protect and develop the local biodiversity, in a PRC-scheme (Prevent, Reduce, Compensate).

Such actions will be implemented following discussions with local private and public stakeholders, to make sure these are locally consistent.

Such actions will:

- respect all local and environmental aspects;
- be specific to each site and consistent within each territory;
- reflect the will of both Paprec group and Paprec local agency;
- be implemented with the help of experts and surrounding sites;
- be driven in a long-term dynamic;
- be specifically monitored and measured.

They might not show any direct or indirect link with Paprec industrial recycling activity.

The already implemented actions will continue.

By such commitment and actions, Paprec wishes to raise awareness on biodiversity among its employees and to promote their initiatives, as well as among all the group stakeholders/among all the actors of its value chain.

All these actions will be reported and be part of a global "Action Plan for Biodiversity" within the group. The group will look at each site within 3 years and the ExCo will talk about biodiversity on each site at least once a year.

Some examples of actions already implemented:

- Agroforestry program in Dordogne : more than 12 local forest and fruit trees, selected by the "Conservatoire du Végétal d'Aquitaine"; specific plant covers and cultures; extensive pasture for bovines following a pre-diagnostic in order to preserve the local land specificities ; 3 bio-indicating hives.
- Specific biodiversity program around our landfills: hens and hives; eco-pasture program...
- Trees re-planting program in Vitrolles : in partnership with the regional Agronomic Institute (INRA), endemic trees have been replanted.

PLASTIC OMNIUM'S INDIVIDUAL COMMITMENTS IN *act4nature*

A biodiversity challenge that is a natural extension to our long-standing commitment to the environment

The French manufacturing group, Plastic Omnium, is a world leader in automotive equipment, with two core lines of business: firstly, body panels and parts, and secondly, fuel systems and emissions reduction solutions.

Consideration for the environment has long been a part of the group strategy. It is addressed through a structured approach, incorporated into day-to-day management, with environmental governance based on a commitment from Corporate Management, performance indicators, standards systems and related action plans.

The protection of biodiversity forms a natural part of this environmental framework, with four key areas of focus:

1 The reduction of CO₂ emissions and atmospheric pollutants related to automotive transport, which acts as an indirect mechanism for biodiversity conservation

Numerous scientific studies concur in their findings, demonstrating that global warming constitutes a direct threat to biodiversity. In this context, the reduction in CO₂ emissions released through the combustion of fossil fuels constitutes an indirect mechanism for preserving biodiversity.

Car manufacturers have been committed for many years now to plans aimed at a continual reduction in greenhouse gas emissions for new vehicles put on the market.

Plastic Omnium anticipated this development at a very early stage, making it a key focal point of its R&D strategy for several years now.

Expenditure equates to around 6% of annual turnover, with this strategy resulting in multiple innovations (reduction in vehicle weight, improved aerodynamics, NO_x emissions reduction, fuel systems to address the constraints associated with hybrid vehicles, etc.) enabling Plastic Omnium to provide manufacturers with products and functions that make a direct contribution to their emissions reduction targets.

In order to measure this contribution over the entire product lifespan from design, to usage, through to the end of the vehicle's life, the group's latest products will be subject to new Life Cycle Assessments (LCA).

More recently, Plastic Omnium has made a determined commitment to developing hydrogen-based "zero emission" vehicle propulsion systems.

Plastic Omnium's hydrogen commitment is aimed at finding a substitute for fossil fuels by 2040. This commitment could enable mobility to achieve carbon neutrality.

Plastic Omnium is making a considerable commitment to hydrogen development: we have invested €100 million since 2016, and investments are set to double by 2020.

Lastly, on the Hydrogen Council, which brings together the main manufacturing groups involved in hydrogen, Plastic Omnium is seeking to start a global dialogue with the main stakeholders likely to ensure the promotion and development of this energy source.

2 Efficient management of sites' environmental footprint

Biodiversity conservation also includes careful management of our production sites' environmental footprint, through a systematic approach to environmental certification and actions focused on optimising fuel and material consumption as well as recyclability and waste management.

- Since 2001, Plastic Omnium has been committed to the voluntary adoption of the ISO 14 001 international standard for environmental management systems. This standard, which was revised in 2015, is aimed at improving a site's environmental results and, more generally, at managing its impacts better, whether this involves the sustainable use of resources, the protection of local ecosystems and biodiversity, or the adoption of anti-pollution measures. Over 90% of Plastic Omnium sites are now ISO 14 001 certified and every new site must obtain this certification within 3 years of starting up or of joining the group.

- Energy management has been the subject of a dedicated programme, Top Planet, since 2007. As a result, the group reduced its direct CO₂ emissions (in relation to turnover) by 9.7% between 2014 and 2016. This programme is due to be reinforced with a target being set by 2020 for the reduction in energy consumption per kilo of processed material, and the rollout of ISO 50 001 certification for energy management.

- Although none of its facilities is located in a water sensitive area, the group also strives to conserve water resources: with equipment running on closed circuits, the industrial processes carried out in the group's plants allow controlled consumption of this resource, and water contaminated by painting activities undergoes a rigorous pollution control procedure.

- Lastly, the group is managing the reduction of final waste while developing a range of products designed using recycled materials (regenerated and regranulated material from rubbish bins, bottles and tops).

3 Combating plastic pollution in the oceans

In May 2018, Plastic Omnium joined forces with the Race for Water Foundation, becoming an official sponsor of the Race for Water vessel that is powered by a combination of renewable energy sources, namely solar, wind and hydrogen, with the latter by means of technology developed by Plastic Omnium.

This revolutionary vessel set off from Lorient in April 2017 on a five-year tour around the world to promote energy transition and demonstrate commitment to protecting the oceans from plastic pollution.

Through its commitment to Race for Water, Plastic Omnium is contributing to the search for solutions to avoid plastic waste, which now makes up 80% of marine debris, from reaching our oceans. It is about helping to develop plastic

waste, drawing inspiration from social entrepreneurship and the circular economy. So, the Race for Water Foundation has devised the means of turning illicit plastic waste into energy to make recovery of such waste worthwhile for the local population affected by this pollution, in the same way as they already see the value to them of collecting a variety of materials, such as aluminium, paper, cardboard and glass.

4 Encouragement for local biodiversity initiatives

Plastic Omnium supports several different local initiatives to help protect biodiversity.

For example, Plastic Omnium has been contributing to the Izta-Popo National Park reforestation project since 2010 through its Puebla site in Mexico. The group is thus directly helping to maintain 5 hectares of forest through various cleaning and reforestation activities, with over 300 trees planted, as well as actions to protect the local fauna.





PRIMAGAZ

Steven SELS
CEO

<https://www.primagaz.fr/societe/developpement-durable>

PRIMAGAZ'S INDIVIDUAL COMMITMENTS IN *act4nature*



Every day, we supply gas to the heart of French regions "where life is good", particularly in the 27,000 municipalities located outside the natural gas network.

For already 10 years now, we have been supporting our private, industrial, institutional and local community customers by switching to new low-emission energy sources that are renewable and pollute less, in order to tackle global warming together while contributing to a better air quality.

Today, in order to push ahead even further, we are putting forward a new, virtuous, purposeful, and engaging initiative, which we have called Next.

It focuses not only on preserving the environment and improving our products and services, but also on speeding up the transformation of our organisation, our CSR actions, and the well-being and development of our employees.

Within this initiative, we also believe that the preservation of biodiversity and nature is a major challenge for our rural areas.

Therefore, to continue to be 'where life is good' in the future, we **act4nature** by committing ourselves to the following actions:

Scope of PRIMAGAZ FRANCE

act4nature	Individual commitment	Target frequency	Time frame
1	Draw up a charter backed by our SD roadmap for the conservation of nature in our activities.	every 3 years	2019
1	Include the issue of biodiversity in each CSR committee which is cross-functional and representative of the company's roles.	quarterly	2019
2	Draw up a mapping of all parties involved to identify those with whom we must communicate as a priority.	/	Q3 2018
2	Biodiversity is already part of the material related challenges specific to France following the materiality survey carried out by groupe SHV Energy. We will also include it in our first discussion with the parties involved.	annually	Q4 2018
3	Conduct a survey to measure the impact that Primagaz's activities in France have on nature and on its entire value chain.	/	Q1 2019
3	We are already applying an internal price on carbon for our investment plans, and we are committed to incorporating biodiversity rules into them as soon as they concern new sites or the adaptation of existing ones.	per investment plan	Q3 2018
4	Define objectives relevant to our activity and follow their specific indicators.	annual update	2019
4	Adjust our responsible purchasing policy to strengthen understanding of the issue and ensure it is acknowledged by our suppliers.	annual update	2019
8	Conduct a national internal awareness and action campaign involving our employees and their families for the protection of fauna and flora in France in areas where 'where life is good'.	annually	SEDD* 2019
8	Run a training course dedicated to biodiversity, which is accessible to all our employees.	annually	Q2 2019
8	Put together a team of internal "heroes" for Nature.	up to 5 persons 1 member of the steering committee	2019
9	Formalise and finalise the outlines of our partnership with IUCN and sign it.	initial period of 3 years	Q3 2018
10	Systematically record our concrete actions in a dedicated section of our sustainable development report.	annually	june 2018
10	Systematically record our concrete actions in a dedicated section of our website.	twice a year	Q3 2018

* Semaine européenne du développement durable.

RABOT DUTILLEUL'S INDIVIDUAL COMMITMENTS IN *act4nature*

For some 100 years, Rabot Dutilleul has successfully implemented the real estate projects of individuals, companies or territories, thanks to its well-directed and appropriate common commitment. This has been our *raison d'être* since 1917, enabling us to develop a vast set of real estate solutions in France, but also in Belgium, Poland and Germany under the brand names (for France) of Nacarat in property development and Rabot Dutilleul Construction in construction and civil engineering.

Today, the challenges and innovativeness of sustainable development are the bedrock of our activity. A dedicated management team draws up, steers and deploys the corporate vision supported by the group's shareholders and supervisory board.

Since 2012, all the projects designed by us are mandatorily subject to an eco-design approach. Over 500 projects have been designed using a tool called ASAP (As Sustainable As Possible) and over 150 have been delivered or are in progress. All the members of staff have been made aware of this approach and all the staff responsible for project design have been duly trained.

In terms of direct impacts on biodiversity, the group's work-sites and buildings do not represent significant surface areas. Indirectly, however, impacts on "grey (or invisible) biodiversity" may be significant.

Indeed, the construction materials or energy sources used to build infrastructures represent tonnes of raw materials (be they renewable or not) extracted mainly in natural environments in France and abroad.

Rabot Dutilleul's vision is:

- to implement property developments that meet the highest performance standards by placing biodiversity performance under the guidance of an ecologist;
- to share this performance with others to make it desirable and, above all, reproducible.

This vision may be summarised as follows:

$$\frac{\text{Biodiversity performance}}{\text{Intrinsic biotope performance} \times \text{surface area (ha)} \times \text{continuity}}$$

In 2017, Rabot Dutilleul participated in a working group set up by the French government on "Sustainable Building Planning" focused on grey biodiversity. Discussions are also under way between NGOs and businesses.

The recent but strong awareness of the circular economy question, notably in the Paris and Hauts-de-France regions, encourages the construction sector to focus on the traceability of its materials. This pressure should make it possible to better consider the impact on resources and greenhouse gas emissions of construction materials, but also the – negative and positive – impacts on biodiversity that the mining of these materials may generate.

The ASAP tool systematically includes the question of the traceability of materials, their recycling and, as regards biomass, their certified origin (preferably by the Forest Stewardship Council or FSC).

The field of urban biodiversity, which requires good ecological performance and on-worksite awareness-raising, is developing well, even though the biotopes are of only relative quality and surface areas are small. Each development is also analysed from the standpoint of urban and, if possible, ecological agriculture.

On-worksite biodiversity is developing well because Nacarat, our property developer, deliberately favours urban land where the city is being rebuilt over the city, to avoid urban sprawl. This approach is in line with the group's eco-design strategy and the priority it gives to restoration works.

Numerous projects have been completed in partnership with the Bird Protection League (LPO), the Nord Nature Chico Mendes non-profit organisation or the Topager company.

All these projects share the following common features:

- If possible, ecological validation.
 - As part of the ASAP eco-design approach, each development is analysed to assess its suitability for becoming a biodiversity refuge.
 - An ecologist can then intervene to analyse and implement several recommendations inspired by the "Biodiversity and Building" technical handbook published by the LPO and the Isère county Architecture, Planning and Environment Council.
 - This support continues during the development and construction phase to monitor and/or help companies implement their design specificities.
 - The support ends with one year dedicated to educating the inhabitants after the delivery of a building.
- Implementation costs are quite reasonable for an upstream or upfront real estate/property project.
- A great potential for attracting non-expert stakeholders.

Significantly, the gardens of the headquarters of Rabot Dutilleul Construction are under differentiated management with the help of the Nord Nature Chico Mendès non-profit organisation and maintained by a "care through employment" centre (ESAT). The green roof is a Wild Roof by Topager and Nacarrat's St Lazare terrace is the first LPO bird protection terrace-refuge in the Paris Region. Nacarrat partners the Urbanisme Bâti Biodiversité (U2B) club and wishes to turn its «nature in the city» approach into a performance driver and a means of differentiation.

Between 2015 and 2017, a working group on development-construction phase biodiversity was launched by the LPO, Nord Nature Chico Mendès, the Nord-Pas-de-Calais public land management agency and Rabot Dutilleul Construction.

A Best Practices Guidebook will be published in 2018 by the "Moniteur du BTP" publishing house for the benefit of field teams.

Every time ecologists are included in our working practices, on-worksite urban biodiversity is much easier to implement. Thus, we undertake to continue this effort as much as possible and to promote the biodiversity dimension of the circular economy, which we hope will grow rapidly.





RÉMY COINTREAU

Marc HÉRIARD DUBREUIL
Chairman

<https://www.remy-cointreau.com/en/csr/>

RÉMY COINTREAU'S INDIVIDUAL COMMITMENTS IN *act4nature*

Rémy Cointreau is a French family/listed company whose origins date back to 1724. It was formed in 1990 when two families, the Hériard Dubreuil (who owned E. Rémy Martin & Cie SA) & Cointreau (Cointreau & Cie SA) merged their Holding companies. Rémy Cointreau has, ever since, been keen to preserve this Family DNA, focusing on the long-term development of its brands. These include Rémy Martin & Louis XIII for Cognac, Cointreau liqueur, Metaxa brandy, Mount Gay rum, Bruichladdich Scotch Whisky & St Rémy brandy. While each of them has its own identity, they all share a set of common values, among which sustainable agriculture & biodiversity are key.

Rémy Cointreau employs some 1,900 people worldwide, and achieved, in fiscal 2017/18 (March end), sales of 1.1 billion euros. The group is listed on NYSE Euronext Paris.

Rémy Cointreau & Biodiversity:

The group's new signature, "Terroirs, People & Time", clearly conveys its values. It also reflects its ambitions in terms of CSR, aligned with the UN's 17 Sustainable Development Goals (SDGs). A "materiality analysis" has led us to focus on 10, including sustainable agriculture & biodiversity.

Rémy Cointreau has been developing many actions in this context: one of the main elements of our 2020 CSR Plan is preserving the environment: "give back to the earth what we received from her".

Thus, Rémy Cointreau aims to protect its territories & their natural resources.

Governance:

Since 2017, the variable part of senior Management annual incentive is indexed on specific CSR KPIs, in line with our priority SDGs. One of them targets the development of sustainable (& responsible) agriculture to produce our raw materials.

6-year target (2024):

100% of land used to grow all agricultural raw materials used by Rémy Cointreau should adopt a recognised label or certification process.

High Agricultural Environmental Value Certification (HAEV-France):

The Domaines Rémy Martin have, since 2012, been certified "HAEV - level 3" (the highest), a certificate from the French Ministry of Agriculture that acknowledges actions & processes implemented for the benefit of biodiversity & the reduction of chemical substances.

3-year target (France-2021):

Renew this certification for our Domaines.

Furthermore, the Maison Rémy Martin procures its eaux-de-vie from the Cognac Cooperative "Alliance Fine Champagne" (AFC). A joint working group has been formed to develop the HAEV process within the Cooperative.

3-year Target (France-2021):

100% of AFC members engaged in this process, and, by 2023, at least 50% of winegrowers duly certified at the highest (3) level.

Agricultural processes:

Domaines Rémy Martin

A biocontrol platform was created, as early as 2014, with the Charente "Chambre d'Agriculture" and the private company "Bioline Consulting" to experiment with trichogrammas (a parasitoid, insect from the same family as bees) to fend off cluster roller moths.

4-year target (France-2022):

Validate an alternative method of natural protection for the vineyard to decrease the use of pesticides.

Long term improvement of potential yield from cultivated land must be achieved through various environmentally (and water) friendly processes. Our Domaines are considering the possibility of using winter covers, such as green fertilisers.

This should help generate, while the vineyard is "resting", plant biomass enabling the capture of nitrogen which will be released later during the growing season.

7-year target (France-2025):

Validate an alternative method of natural fertilisation for the vineyard that preserves biodiversity.

Mount Gay (Barbados)

In line with its wider focus on Terroirs & Biodiversity preservation, Rémy Cointreau has recently acquired a 330-acre Sugar Cane plantation in Barbados.

5-year Target (Barbados-2023):

Establish more environmentally respectful agricultural practices & share them with local farmers.

Forest Preservation

Decline of World Forest area is one of the main consequences of the deterioration of biodiversity. Consequently, our group has been active, for several years, in preserving forests.

Domaines Rémy Martin

Since 2012, our Domaines have "set aside" 7 acres of experimental forest in Charente to experiment around biodiversity, in cooperation with the French "Centre national de la propriété forestière" (CNPF) & the French Society for the Protection of Birds.

9-year target (France-2027):

Organise plant & insect censuses to monitor & improve the regeneration of fauna & flora along the river Charente.

Maison Rémy Martin

In 2018, Rémy Martin has engaged, for the fifth year in a row, in a benevolent partnership with the French "Office National des Forêts" (French National Forestry Commission).

2-year target (France-2020):

Help reinstate English Oak (*Cercus Robur*) in Maine-et-Loire & assess its ability to resist climate changes.

Bee preservation

Rémy Cointreau reiterates the pledge it has made in previous years for the setting up of beekeeping fallows by the Domaines Rémy Martin. Rémy Martin works in conjunction with the French association "Un Toit pour les Abeilles" (a roof for the bees).

5-year target (France-2023):

Annual renewal of beekeeping fallows in partnership with this association.

Preserving Terroirs

Bruichladdich (Island of Islay – Scotland)

For the past 13 years, Bruichladdich has been helping re-planting traditional barley on the Island of Islay, across a range of varieties to preserve local Terroirs. The Botanist Gin has, in parallel, created its own Foundation to work more closely with the population of the Island to improve their understanding (and the sustainability) of local botanical species.

10-year Target (Scotland-2028):

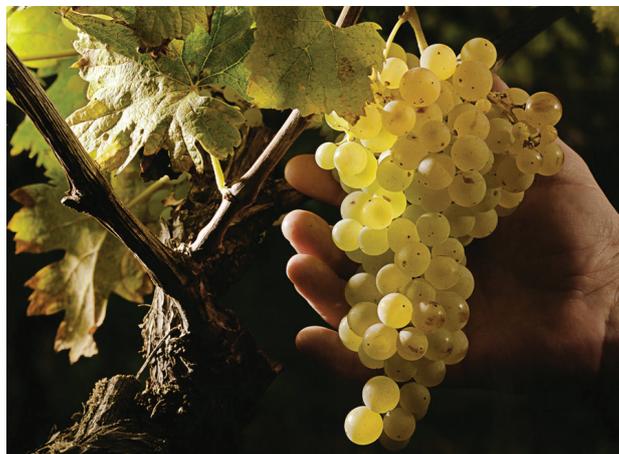
Maintain & ensure our supplies while preserving Islay biodiversity & the wider development of biological agriculture in Scotland.

Staff Commitment

All over the world, Rémy Cointreau seeks to enrol all its employees ("upstream and downstream") to become more committed to reducing our environmental footprint. Every employee can thus be a real ambassador for the protection of the environment.

2018 Target (Global):

Organise a one day "give back to Community" event worldwide, for our 1,800 colleagues with Environment as a main theme, focusing on biodiversity in each of our key markets.



RENAULT GROUP'S INDIVIDUAL COMMITMENTS IN *act4nature*

Through its environmental policy, the Renault group acts to preserve biodiversity.

The groupe Renault's contribution to preserving ecological capital is embedded in its environmental policies, which aim to reduce the environmental footprint of vehicles from generation to generation throughout their life cycles, from the extraction of mineral and fossil materials to their end-of-life.

The groupe Renault also subscribed to the 10 *act4nature* common commitments, since preserving biodiversity will require collaboration synergies between companies and all stakeholders.

Global warming and natural resource extraction impact Biodiversity. Therefore, preservation of biodiversity will benefit from global actions to decarbonise individual mobility and from our ambitious deployment of the principles of the circular economy.

This preservation is also built at the local level. Our industrial and tertiary sites manage and adapt their activities to control the risks of accidental discharges and limit impact on local ecosystems (wetlands, surface waters, etc.).

Finally, biodiversity is part of the deployment of commitments within the supplier chain and the own sales network.

1 Climate change & energy efficiency

Global warming impacts biodiversity and ecosystems. The consequences are increasingly understood by the scientific community (disruption of biological cycles, seasonal shifts, movements in the ranges of climate-sensitive species, etc.). They are already visible locally with migrations or adaptations of animal and plant species, or disappearance.

The groupe Renault wants to help to limit global warming. The "Drive the future" plan aims to reduce the world's carbon footprint per vehicle by 25% between 2010 and 2022. This corporate indicator covers the life cycle of all vehicles sold worldwide, including the groupe Renault's logistics, tertiary and industrial activities, as well as business travel.

Renault is thus helping to meet COP21's commitments to limit the temperature to +2°C, especially with further expanding its 100% electric offer, including for developing markets and for freight transport.

Electric eco-system projects in cities or islands, new electric mobility systems associated with intelligent battery charging services are emerging and demonstrate the significant greenhouse gas reduction potential for the mobility and renewable power generation⁽¹⁾ sectors.

2 Resources & competitive circular economy

The extraction conditions of certain minerals or plant resource crops such as natural rubber, the finiteness of some natural resources and multiple local ecosystems destruction, fragmentation and alteration of habitats, air, soil and water pollution pressures on biodiversity.

groupe Renault wants to help to limit impact on natural resources. Renault is a pioneer and a leader in the automobile sector in integrating recycled materials into its new vehicles for many years.

The Renault circular economy program aims to extend the life of products or intensify their uses (re-use parts, remanufacturing of mechanical components, second battery life, shared and autonomous mobility) and gradually develop short material loops (steel, aluminium, copper, platinum, plastic, textiles, etc.) so that waste materials from end-of-life vehicles are converted into new resources to produce new vehicles.

Renault is engaged in a dialogue with its suppliers to better understand the conditions for sustainable use of resources and forests and their ability to tell us the geography of their supplies, and in particular to assess the risks of deforestation of primary or secondary forests affecting animal species.

3 Health & Ecosystems

Ground-level ozone, noise and air pollution by particles impact not only humans but also animal and plant species. The various life cycle analyses conducted by Renault or external organisations show the contribution of the car to soil acidification and eutrophication phenomena.

Even if the automotive sector is a weak contributor to these two phenomena, actions are carried out: the short loop recycling of certain critical materials, the optimisation of the treatment of aqueous discharges from plants with some industrial "zero discharge". One of the priorities of the Environmental Plan is to reduce by 30%, between 2016 and 2020, the discharge of toxic metals (METOX) into the liquid effluents of the group's plants per vehicle produced.

(1) The report on "the electric vehicle in the energy transition in France" by the Fondation pour la Nature et l'Homme and the European Climate Foundation estimates that "Combined with the circular economy, the control of energy consumption and the development of storage capacities, electromobility could accelerate the energy transition and the development of renewable energies".

As part of the group's ISO 14001-certified industrial activities, Renault manages daily targets for reducing aqueous emissions.

When plants are built or extended, Renault assesses the impact of its activities on environmental ecosystems as part of its legal obligations and, where necessary, implements specific biodiversity protection measures.

At the Tangiers site, inaugurated in 2012, an impact study led to the planting of more than 5,000 trees between 2014 and 2015 in order to prevent soil erosion linked to rainwater runoff, on the site's non-waterproofed areas and the associated negative impacts on biodiversity.

In Brazil, Renault set up a biodiversity management and protection plan in 2008, in agreement with the local authorities, for part of the land acquired for its Curitiba industrial site. Of a total area of 2.5 million m², 60% is devoted to the protection of a primary forest area. This primary forest, largely composed of araucarias, an endangered pine species protected under Brazilian law, is home to more than 170 animal species..

The development of on-demand mobility services will result in a more intensive daily use of the car and therefore of the committed material resource.

5 Environmental management & transparency and accountability in communication and dialogue with stakeholders

A dialogue with local stakeholders (Boulogne-Billancourt, Pitesti, Curitiba, Tangiers, etc.) has been implemented as part of the clean-up, extension or creation of industrial sites. Our dialogue with environmental NGOs alerts us to certain critical points in the supply chain.

The implementation of the dialogue with our suppliers and their commitments to more sustainable and ecosystem-protective sectors will be continued.

4 Innovative mobility systems and services

Electric, connected and autonomous vehicles, used for mobility services, will provide cities with answers enabling them to reinvent urban space with a view to improving the quality of life of city dwellers (fluidity of traffic, reduction of congestion, opportunity to free spaces dedicated to cars for natural or living spaces in cities).





Bris ROCHER
CEO

<https://www.groupe-rocher-fourmisseurs.com/en/content/groupe-rocher-csr-commitments>

ROCHER GROUP'S INDIVIDUAL COMMITMENTS IN *act4nature*

In line with the 10 common commitments of *act4nature* (n°1 to n°10), groupe Rocher is committed to biodiversity.

■ ACTING FOR BIODIVERSITY

Preserving biodiversity (Commitment N°1), clearly identified in our Sustainable Development strategy since 2008, focuses on three principal actions:

- Engage in a new relationship to life, by changing practices according to the changes in society;
- Act as a responsible manager of natural resources, as an eco-friendly industry;
- Become an ambassador of the biodiversity cause.

Main commitments:

■ RESEARCH

• Groupe Rocher's Agronomy department welcomes a doctoral student on the optimisation of ecosystem services for pollination and biological control by conservation (Commitment n°6);

• Groupe Rocher is a member of the Executive Committee of the Platform of the French Initiative for Business and Biodiversity (Commitment n°7).

■ RESPONSIBLE MANAGEMENT OF NATURAL RESOURCES

• Maintain all the industrial and tertiary sites representing more than 100 hectares of protected areas as part of the Biodiversity Refuges Program with LPO (the French counterpart of Bird Life International) (Commitment n°5).

• Ensure uncompromising traceability, safety and responsible management of the plant production schemes: First at La Gacilly in France where our teams cultivate more than 55 hectares of fields in organic agriculture and agro-ecology. And all over the world, relying on our expertise and that of our partners in the field, guarantors of our values (Commitment n°5).

• Sourcing rationally (favouring organic farming, no OGM, favouring maritime transport of raw materials).

• Protect plants to preserve resources (no endangered species, use of cultivated plants or renewable parts of plants) (Commitment n°4).

• Share with local people for a more equitable world (Commitment n°4).

■ • AMBASSADOR

• Welcome about 3,000 participants each year during events and awareness-raising activities at La Gacilly, in Yves Rocher's Botanical Garden. More than 180 events are organised each summer for employees and the general public. (Commitment n°8).

• Regularly witness links between the UN's Sustainable Development Goals and biodiversity and their integration into business strategies, especially at the UN COPs (Biodiversity, Climate, Desertification) (Commitment n°7) and by signing commitments, such as the Business and Biodiversity Pledge signed in 2017 in Cancun at the UN (Commitment n°4).

■ BUILD PRIVILEGED RELATIONSHIPS WITH OUR STAKEHOLDERS

The transformation of a group requires a close link with its stakeholders, be they political, international, territorial, economic, philanthropic and associative.

The group wishes to continue:

• to share its experiences with the French Ministry of Environment about the UN Nagoya Protocol and France's bid to host the IUCN World Congress in 2020 (Commitment n°7).

• to collaborate with a vast partner network: the IUCN, French branch and international headquarters, the National Museum of Natural History, the LPO, the Responsible Beauty Initiative and the Sustainable Mica Initiative, the Strategic Orientation Committee of the FRB (Commitments N°3 and n°9).

■ REDUCE OUR GENERAL IMPACT ON THE ENVIRONMENT

The group is part of a proactive process of ambitious progress, measured since 2010 over five-year periods, with the desire to strengthen them and continue on 2025 and 2030.

Structured for 2015-2020, the group is committed to improving its environmental footprint along its entire value chain (Commitment n°5).

2020 target	2017 Performance
Reduce by 10% the water consumption of the entire group (in m3 / production unit) compared to 2015	ON TRACK 5% Reduction
Reduce by 10% the energy consumption (in kWh / production unit) compared to 2015	ON TRACK 6% Reduction
30% of renewable energy supply	ACHIEVED 37% of renewable energy
Reduce group-wide paper consumption by 10% (in kg / unit of production) compared to 2015	ON TRACK 8% Reduction
100% supply of paper and cardboard from sustainably managed forests	ON TRACK 98% from sustainably managed forests

■ ENGAGE AS A MECENE OF FOUNDATIONS COMMITTED TO BIODIVERSITY

The group has been a sponsor since 1991 of the Yves Rocher Foundation. The annual budget allocated to endowment, of approximately 3.6 million Euros, allows the foundation to plant 100 million trees worldwide with the Plant for the Planet Program (77 million already planted in more than 35 countries) and support the Terre de Femmes Program (400 laureates supported and animated in community for 17 years).

Through the Daniel Jouvance Foundation, the group supports scientific training by organising Marine Biology Schools in relation with UPMC, and contributes to the preservation of coral ecosystems with the Cœur de Corail® Program (Commitment n°9).



photo credit: Dominique Rolland / Groupe Rocher

(1) <https://www.groupe-rocher-fournisseurs.com/fr/content/engagements-rsc-groupe-rocher>



François BROTTES
CEO

<https://lemag.rte-et-vous.com>

RTE'S INDIVIDUAL COMMITMENTS IN *act4nature*

Tasked with ensuring continuity of supply in France, at the heart of the European electricity system, the transmission system operator RTE is a key player in energy transition, contributing to balanced regional development as part of its public service mission. In view of this role and these responsibilities, RTE delivers solutions and services that go beyond the provision of access to electricity, as part of a continuous drive towards achieving environmental sustainability.

Conservation of the natural environment, of biodiversity and of countryside areas is the first strategic guideline of RTE's environmental policy. With 90% of its facilities in rural locations, RTE is careful to integrate its structures and activities into the surrounding environment, and deploys measures to support biodiversity, such as the development of green corridors beneath its power lines. To achieve this ambition, set out in the 'Impulsion & Vision' corporate project, RTE relies on strong, long-term partnerships to jointly shape solutions for the future with all its stakeholders.

In December 2012, RTE was recognised for its commitment to the National Strategy for Biodiversity (SNB). The recognition was renewed in 2017.

A Develop vegetation management that supports biodiversity beneath power lines

In woodland, the open spaces located within power line rights-of-way can provide safe havens for biodiversity; however, for safety reasons, they require regular maintenance, which can disturb fauna and flora.

RTE established a Biodiversity Programme, whose objective is to provide the company with the financial, technical and human resources needed to put in place biodiversity-friendly measures, in partnership with managers of natural spaces and biodiversity stakeholders.

By the end of 2017, this had been done for more than 900 hectares of land. RTE is committed to pursuing this programme and to enhancing it further by factoring in several years of operating experience. The roll-out of new instruments such as diagnostic tools, co-built with partners, will also allow RTE to consolidate regional ties and improve consistency of actions taken.

In addition to this programme, between 2011 and 2017, RTE and its Belgian counterpart Elia developed innovative management systems for their woodland rights-of-way under the European LIFE Programme. Today, RTE continues on its Elia-RTE LIFE journey by embarking on a new LIFE project with four other European grid operators.

Its objective is to promote broader action in terms of European grid operator participation in the green and blue corridors.

The BELIVE Project (biodiversity beneath power lines through enhanced rights-of-way) is also in line with the long-term objectives of LIFE. Within three years, BELIVE will be capable of determining the human and financial resources required for nationwide deployment of alternative vegetation management techniques, driven by three participating regions: the Northern, Mediterranean and Western regions.

Objective:

Reach a target of 1800 hectares of biodiversity-friendly land area by 2021.

B Reach the "zero-phyto" objective

RTE, which signed up to the Ecophyto Plan in 2010, will push ahead with its commitment to a voluntary strategy of gradually reducing the use of plant protection products in the short-to-medium term management of its industrial and commercial facilities.

This change in practices requires, in particular, the implementation of arrangements within substations to facilitate their upkeep without recourse to plant protection products. Two types of alternative arrangements have been selected to date: plant cover and mineral mulching. Particular importance is attached to using species and seeds that are adapted to the climate, in common use, and preferably local (see item E).

Other solutions, such as extensive grazing, supplement these proposals. As regards its new substation projects, at the beginning of 2018 RTE defined construction standards that will ensure the sites can be managed without using plant protection products.

RTE is committed to gradually implementing these alternative solutions in all new contracts for the maintenance of green spaces, and to deploying these solutions across its substations from 2018 onwards.

Objective:

No longer use plant protection products for the upkeep of:

- all commercial sites by end 2018;
- all new substations built from 2019 onwards.

Other substations will be managed under the "zero-phyto" deployment programme, with a progress target of 65% "zero-phyto" substations by 2022.

C Gain a better understanding of the advantages and impacts of our activities on biodiversity

In order to better understand and control the repercussions of its activities on biodiversity, RTE draws on partnerships with specialist research teams, and is active in several areas of biodiversity.

As member of the Linear Infrastructures and Biodiversity Club (CILB), RTE is involved in the Foundation for Research on Biodiversity, via the Land Transport Infrastructures, Ecosystems and Landscapes (ITTECOP) research programme, spearheaded by the Ministry for Ecological and Inclusive Transition, in conjunction with the French Environment and Energy Management Agency (ADEME). The programme's key objective is to meet the technical challenges of transport infrastructures, together with the regions, while taking into account landscape and ecosystem issues.

RTE is also committed, particularly during current and future offshore projects, to increasing its knowledge of coastal and marine ecosystems. Thus, respect for natural environments - often protected - and for other maritime activities such as tourism, fishing and transport, is a priority for RTE, so as to integrate its structures as well as possible into this fragile environment.

As regards avifauna, the implementation of several protection devices has helped minimise the risks of collision and electrocution related to electrical structures. RTE has undertaken to test automated detection systems in an effort to better understand bird behaviours near its structures.

Lastly, since 2014 the CILB members have worked with the National Natural History Museum (MNHN) to share data from observations and inventories of the natural environment. Today, RTE is committed to sharing its biodiversity raw data, within the framework of current regulations and formal agreements signed with the French Agency for Biodiversity and MNHN.

Objective:

Continue with the significant R&D spend of €1M/yr in the area of biodiversity, for RTE activities, in 2019 and 2020 as a minimum.

D Protect pollinating insects and contribute to the development of their populations

In 2016, RTE began work with the Ministry for Ecology on the national action plan "France, land of pollinators" for the preservation of pollinating insects.

To this end, RTE is committed to improving knowledge of wild pollinating insects by supporting scientific studies on the contribution of linear infrastructure rights-of-way to ecological continuity and biodiversity conservation, notably via the ITTECOP programme. This research will contribute to extending our knowledge of environments that are suitable for wild pollinator populations.

RTE also undertakes to increase floral resources through revegetation of its sites, using for example local seeds. RTE supports the "Local plant" and "Real harvest flower" labels, which guarantee that the seeds and plants used are sourced locally.

Together with its specialist partners, RTE also plans to take measures to improve the habitats of wild pollinators in forest corridors. The effectiveness of revegetation efforts can be monitored, notably by RTE personnel involved in participatory research (see item F).

Objective:

Ensure that the first development works to improve the habitats of pollinating insects begin by 2020.

E Foster and develop biodiversity in urban settings

Green spaces in urban settings host a very specific biodiversity and help maintain ecological connectivity. RTE, with close to 80% of commercial buildings located in and around urban areas, is committed to promoting the conservation of this biodiversity, and to taking measures to safeguard it and foster its development.

To this end, RTE signed a partnership agreement with the biodiversity conservation association Noé in July 2017. RTE and Noé are working together to develop the green spaces of its commercial sites to promote biodiversity. Amongst other things, Noé studies the ecological potential of new sites and sites undergoing rehabilitation or major works, in order to put forward measures that are appropriate to the local ecological challenges. Each site that forms the subject of a study earns a "Jardin de Noé" label once sufficient measures have been taken to welcome local fauna, and once the site is being managed in a way that supports biodiversity.

RTE also undertakes to study the feasibility of planting green roofs on the flat roofs of its commercial buildings to create havens of urban biodiversity.

Objective:

15 "Jardins de Noé" labelled sites by the end of 2020.

F Raise awareness and train our collaborators on the challenges of biodiversity conservation

RTE makes it a priority to raise awareness and train its collaborators on the challenges of biodiversity conservation.

The vocational training offer is jointly established with natural science partners, and is wide-ranging: it includes "introduction to biodiversity" days, and courses that take place over several days and are focused entirely on biodiversity. RTE is committed to increasing this training offer by putting forward new "introduction to biodiversity" days, to reach greater numbers of collaborators.

The Fête de la Nature nature festival also provides an opportunity to educate collaborators. As an event partner since 2010, RTE organises numerous awareness-raising sessions to share good practices, and to highlight and encourage employee initiatives in support of nature. Every year, RTE renews its commitment to the Fête de la Nature by increasing the number of awareness-raising events and topics covered.

RTE also undertakes to encourage its collaborators to mobilise and support biodiversity conservation by offering opportunities to enhance understanding of the subject through participatory research. Initiatives such as Photographic Monitoring of Pollinating Insects (SPIPOLL), driven by the Office for Insects and their Environment and by MNHN, make it possible for employees to collect data for scientific use and develop their understanding of the natural environment.

Objective:

Double the number of employees who are informed about biodiversity by 2022, and increase the involvement of RTE collaborators in diversity awareness-raising and information-sharing events.

SAINT-GOBAIN'S INDIVIDUAL COMMITMENTS IN *act4nature*

Worldwide leader for Habitat, Saint-Gobain designs and provides innovative and high performance solutions that improve our living places and our daily life.

Based on its experience in quarries, the group today has significant internal expertise on biodiversity. It is now a question of grasping every aspect of the subject.

Saint-Gobain has set itself the ambition of preserving, restoring, increasing and enhancing biodiversity, ensuring the sustainable and fair use thereof and managing to involve concerned parties.

Common commitments	Individual commitment	Scope	Deadline
1	Issue our group biodiversity policy.	Worldwide	End of 2018
1	Elaborate a charter that sets the rules regarding biodiversity for our quarries' activities, taking example from what is already done at gypsum level.	Worldwide	End of 2019
3	Assess the impact and dependencies of the group's activities on ecosystems and analyse the sensitivity of our sites according to their distance to areas of high ecological value.	Worldwide	End of 2020
4	Within the frame of our global cullet recycling program, take part to the national objectives of the "Commitment to Green Growth" program set up by the authorities regarding our flat glass activity (objective of 40,000 tons of cullet collected and sorted per year for further recycling).	France and worldwide	October of 2020
4	Within the frame of our global plaster recycling program, take part to the national objectives of the "Commitment to Green Growth" program set up by the authorities regarding our gypsum activity (objective of 250,000 tons of plaster recycled in 2020).	France and worldwide	End of 2020
4	Within the frame of our responsible forest policy, reinforce the understanding of the Forest Certification systems and the related conservation values of the ecosystems and biodiversity that they promote.	Worldwide	End of 2018
8	Promote the national 30-days Wild Campaign, encouraging the employees and families to spend days integrating with nature.	United Kingdom	June 2018
8	Integrate the biodiversity topic into our group specific events (such as the Environment, Health and Safety day or the Emeralds environment awards event).	Worldwide	End of 2020
8	Carry out a specific training material related to biodiversity to be spread out in our national delegations.	Worldwide	End of 2019
9	Taking example of what we have done in the United Kingdom, set up an internal network of biodiversity champions from our activities and our national delegations, supported by external biodiversity experts.	Worldwide	End of 2019
10	Publicly describe our actions related to biodiversity, including actions towards circular economy.	Worldwide	April of 2019

SANOFI'S INDIVIDUAL COMMITMENTS IN *act4nature*

Preserving biodiversity and ecosystems and ensuring equitable and sustainable use of natural resources is a key objective on the global scale.

In 2020 the Global Forum of the International Union for Conservation of Nature and the 15th Conference of Parties (COP15) of the Conservation of Biological Diversity will take place in Beijing. In preparation for these international meetings, Sanofi has decided to support the **act4nature** initiative created by EpE, a French association of companies called Entreprises pour l'Environnement, of which it is a member.

This initiative includes 65 large, small and medium-sized companies and scientific, non-governmental and public organisations. The goal of **act4nature** is to mobilise companies to protect, develop and restore biodiversity (www.act4nature.com).

Sanofi has fully incorporated this goal into its sustainable development policy, in particular into its environmental strategy, Planet Mobilisation 2015 -2025. The strategy's aim is to limit the impacts, both direct and indirect, of Sanofi's activities. Five major environmental issues have been identified: greenhouse gas emissions and the fight against climate disruption, water, waste, pharmaceuticals in the environment, and biodiversity.

This strategy covers the entire range of Sanofi's activities all over the world.

Sanofi is aware of the economic, social and societal impact of biodiversity both on the international scale and on the regional level, particularly on populations and their way of life. Sanofi is aware, too, of the ecosystem services that nature renders, and the potential that natural resources, primarily plant and animal resources, represent in terms of medical innovations. As a major actor in the health industries whose focus is on improving patients' health and well-being, Sanofi recognises the need to protect and conserve natural resources and preserve the ecosystems that make up biodiversity.

In its environmental strategy, Sanofi has incorporated management of the risks facing biodiversity -- risks that are either directly related to its sites or have an indirect connection with its value chain.

Our company applies the international agreements that define the principles of preservation of biodiversity, namely the United Nations' Convention on Biological Diversity, Global Compact and Sustainable Development Goals.

In conjunction with its environmental strategy, Planet Mobilisation 2015-2025, Sanofi has undertaken to:

- Comply scrupulously with the 2010 Nagoya Protocol on access to genetic resources and fair and equitable sharing of benefits arising from the use thereof;
- Preserve biodiversity and set up biodiversity management plans in and around all those of its facilities that are identified as sensitive sites by 2020.
- Promote biodiversity among its 100,000 employees through a global awareness program by 2025;
- Continue its policy of environmentally responsible procurement, particularly with respect to biodiversity.

Follow-up of commitments

Coordination of the environmental strategy Planet Mobilisation:

Coordinated by the Director of Industrial Affairs, a steering committee has been formed to define the strategic directions of the Planet Mobilisation program and monitor the progress thereof. Sitting on this committee is a panel representative of Sanofi's organisation and activities (R&D, industrial activities, procurement, transportation, communication, business owners from countries or geographic areas, HSE, etc.).

This committee meets twice a year.

Implementing the Nagoya Protocol:

A dedicated project team began coordinating the implementation of the Nagoya Protocol in 2015. The team monitored implementation of the protocol worldwide in Sanofi entities and analysed the implications it had for R&D, manufacturing and packaging activities, with special attention focused on biological materials.

Today the policy and appropriate processes have been created, and a group of in-house experts reporting to the Bioethical Committee monitors the implementation of the Nagoya protocol.

This committee meets once a year.

Ecotoxicological evaluation of the portfolio

Action was initiated in R&D to assess the impact on the environment of 100% of Sanofi's high-priority products by 2025.

To date, 100% of new products have been analysed and 50 products already on the market have been evaluated on a voluntary basis.

Study of sites' biodiversity sensitivity

In 2014 Sanofi established a mapping of its facilities' vulnerability in terms of biodiversity (fauna, flora, humid areas, protected areas, etc.), following which, the objective of setting up action plans in 100% of the sensitive sites by 2020 was instituted.

To date a pilot study is in progress on one site, prior to being implemented on the other sensitive sites.

Raising employee awareness on biodiversity

Since 2017, events have been organised at Sanofi facilities to bring employees together to focus on a common goal, the preservation of the environment. Beyond raising staff's awareness on the issues at stake and getting them to adapt their behaviours and practices accordingly, these events also offer the opportunity to share all the actions and good practices implemented on all the sites. Biodiversity is at the heart of these events.

In 2018, for World Environment Day, Sanofi mobilised 127 sites in 58 countries.

The "Plan Bee" program launched in 2014 has been rolled out at sites that volunteer for it. To date, beehives have been installed at 22 sites worldwide.

Responsible procurement

This action serves to evaluate and select suppliers, identified as high-priority, according to Corporate Social Responsibility criteria including the Planet Mobilisation strategy.

In 2017, 197 suppliers were evaluated.

Jean-Pascal TRICOIRE
CEO

<https://www.schneider-electric.com/en/about-us/sustainability/>

SCHNEIDER ELECTRIC'S INDIVIDUAL COMMITMENTS IN *act4nature*

Schneider Electric's strategy is embedded in its commitment to making a valuable contribution to the research and development needed to meet five closely-related challenges that will safeguard our future: fighting climate change with active energy efficiency; protecting biodiversity through a circular economy; encouraging ethics with strict guidelines and management tools; preserving health and equity with global programmes for structural development led with economic partners in the field; and encouraging development with shared training and education and access to energy. Driven by the UN's 17 Sustainable Development Goals, Schneider Electric's ambition is to help develop our planet and companies that will work for the common good, and to help speed up the search for new solutions that are not only able to keep pace in the race against time, but that offer a fresh perspective on the challenges of biodiversity as they take shape.

A major player in electric intelligence, Schneider Electric provides its customers with the safe, clean, efficient and sustainable energy they need to build tomorrow. Schneider Electric is committed to a new world of energy, a world in which operators must comply with increasingly restrictive carbon emission requirements yet provide increasingly flexible solutions. This flexibility is crucial if we are to efficiently integrate new decentralised, decarbonised and digital energy production that, more and more, can be derived from renewable sources.

Above all, Schneider Electric's mission is to help tackle development and climate change. Its strategic roadmap for biodiversity is centred on gaining a deeper, more immediate understanding of the issues at stake and helping to forge closer ties between players. Schneider Electric's commitment to biodiversity is an integral part of its transition to carbon neutrality for its ecosystem by 2030.

Its core goals are to:

- Reduce pressure on the use of raw materials, by committing now to lower consumption in the future, giving preference to recycled materials and pledging to systematically recycle waste;
- Integrate respect for biodiversity into its values;
- Raise employee awareness through concrete measures at each of its sites (carbon-free dining, collection points, events, training, green roofs and walls, company vehicle policy, travel policy, etc.).

This commitment is reflected in five complementary priorities

- To track our progress worldwide using the Schneider Sustainability Impact indicators to structure initiatives, provide transparent reporting, and ensure the shared commitment of our economic partners and suppliers through responsible purchasing.
- To constantly strive for innovation, so as to build specific offers to accompany key players committed to biodiversity in today's water, waste management, energy and agribusiness industries.
- To be the entrepreneurial leader providing access to training and education and energy for communities at the base of the pyramid. In developing countries, respecting biodiversity will mean fostering new practices, reducing pressure on biomass and minimising agricultural losses, and ensuring fair development and practices for everyone.
- To support non-profit associations in their efforts to raise awareness in order to instigate change (partnerships with the zero emission Antarctic research station, the Refuge du Gôûter energy-efficient mountain refuge, the low-tech lab, the farms of the future, the WWF, Maskbook, etc.).
- To mobilise partners and players in rebuilding natural ecosystems with partners such as Livelihoods Carbon Fund (mangrove restoration project in Casamance in southern Senegal, energy-efficient cookstoves in Kenya for forest conservation, etc.).

Schneider Sustainability Impact is the quarterly dashboard used to measure progress achieved through 21 concrete sustainable development goals and to report the results of that progress to all of the company's stakeholders.

Four of our most significant commitments to fostering biodiversity, published and audited for 2018-2020, include:

- 75% of product revenue generated through Green Premium, the new programme that defines our commitment to a circular economy. As well as end-of-life instructions for responsible disposal, Schneider Electric's Green Premium ecolabel rewards eco-design products that contribute to a circular economy and encourage the substitution of certain substances and raw materials.

■ Zero waste to landfill label for 200 of the company's largest sites;

■ 100% of all cartons, boxes and shipping pallets made from recycled or certified materials;

■ 100,000 metric tons of avoided primary resource consumption through EcoFit™, recycling and take-back programs.

Schneider Electric's commitment to achieving an energy mix where 80% is derived from renewable energy sources and to avoiding carbon emissions of its customers' end by more than 100 million metric tons through its EcoStruxure offers within three years is another clear mark of its commitment to progress.

The progress made on these commitments is published in a quarterly report and on the company's website at <https://www.schneider-electric.com/en/about-us/sustainability/>.

Joël SÉCHÉ
Chairman and CEO

<https://www.groupe-seche.com/en/csr>

SÉCHÉ ENVIRONNEMENT'S INDIVIDUAL COMMITMENTS IN *act4nature*



As a company that recycles waste, the circular economy is at the very heart of Séché Environnement's business. Environmental consciousness is the corollary of doing business with respect for humanity and nature.

Since its creation in 1985, the group (now with 2500 employees and more than €500 million in revenue) has integrated the concept of sustainable development into its corporate policy, and being attuned to stakeholders is a major factor in its development, in harmony with its employees, neighbours, and customers, as well

as the non-profit, educational, and academic world.

The link which unites the group with the biodiversity surrounding its sites is all the stronger because, as a significant landowner, the group is able to implement coherent actions for the preservation and monitoring of animal and plant species. The fruits of these actions go beyond the neighbourhoods of its own sites because of the ecological corridors that exist between territories. The team of in-house environmentalists improves management in the field (maintaining a nursery of endemic plant species combined with safeguarding the character of the landscape) and helps create a true corporate culture.

The policy of incorporating biodiversity into our business fosters society's acceptance of our facilities. Some processes are direct uses of ecosystem services such as methanisation. We are preparing for the future with research programs like the development of biosourced plastics that are biocomposable by bacterial action on organic waste that the group is in charge of reclaiming.

Aware of the role that business can play, Dedicated to Nature through Action by Séché Environnement will supply concrete tools for structuring and measuring this preservation of territorial biodiversity, in a concrete, sustainable, and measurable way. DNA is the group's continued voluntary involvement in France's National Strategy for Biodiversity which was recognised by the Ministry of Ecology for the 2013-2016 period.

The DNA initiative and the four commitments

Séché Environnement's DNA commitments are defined group-wide, but action plans are co-developed in a decentralised way, so as to promote field initiatives for better adaptation to local issues and high levels of appropriation by the players involved. Coverage is national, and the different businesses are all represented.

A steering committee acts as the link between local initiatives and Senior Management, which sets the general targets and action principles.

Each of the initiative's 18 sites has a biodiversity coordinator whose mission is to deploy the four DNA commitments in his/her local division.

Scheduling and assessing actions

Séché Environnement's DNA will be deployed in a renewable three-year cycle starting in 2019.

Each coordinator will submit his or her commitments at the end of July 2018 for approval in the autumn by the steering committee. Results will be shared in a mid-point (mid-2020) and then a final (early 2022) progress report.

The assessment system will cover three levels of performance:

Operational:

Assessment of the implementation by progress measured over a three-year cycle.

Natural:

Increased biodiversity thanks to biodiversity tracking put in place, as well as via the ECOCERT Environment certification, "Commitment to Biodiversity and Climate Management".

Human:

Increased employee awareness of biodiversity issues through employee participation and commitment to changing their practices.

Commitment 1	
Situate biodiversity actions on a space-time continuum of improvement	
Action to undertake	Targets and expected results
<p>Choose a working topic (e.g. pollinators) to kick off an action.</p> <p>Make appropriate arrangements, such as creating feeding spots and promoting reproductive habitats for solitary bees, with a tracking protocol (e.g. SPIPOLL).</p> <p>More generally, set up nesting boxes for birds, insects, and local plantings, using differentiated management.</p>	<p>Increase familiarity with biodiversity on the group's sites through biodiversity inventory and tracking (STOC-EPS protocol, IPA for birds, STOC for bats, tracking amphibians, etc.).</p> <p>Maintain and/or improve biodiversity on the group's sites and solidify environmental corridors with adjacent territories.</p> <p>Analyse and correct, as needed (increase honey-producing plantings, set up differentiated management).</p>

Commitment 2	
Make biodiversity a cause that will bring people together within the group	
Action to undertake	Targets and expected results
<p>Announce local "nature" events to employees and promote in-house biodiversity actions in the subsidiaries.</p> <p>Each coordinator finds an awareness topic connected to his or her site and territory (e.g. shared biodiversity), and then a set of awareness actions will be implemented (identifying common biodiversity, setting up a photo exhibit, organising an outing with a naturalist).</p>	<p>Train employees in the area of biodiversity and issues (nature outings with non-profit groups).</p> <p>Help with participatory tracking on the site (Vigie Nature, SPIPOLL, Observatoire des Saisons, Oiseaux de jardins, Observatoire des Bourdons, etc.).</p> <p>Ultimately, each coordinator will measure employee commitment to this topic through MCQ.</p>

Commitment 3	
Use biodiversity as a lever to inspire stakeholders	
Action to undertake	Targets and expected results
<p>Identify stakeholders in connection with site activity and biodiversity, then set up a partnership with one of them around a collaborative project (e.g. promoting bats on the site).</p> <p>Work on the project with the stakeholder (counting bats, setting up nesting boxes, discussing species identified).</p> <p>Measure employee participation and restore momentum.</p>	<p>Develop bonds with stakeholders working to preserve biodiversity. To this end, each coordinator must first identify the priority stakeholders on his or her site and then choose one to develop a joint project on the site.</p> <p>Participate in fundamental or applied research programs through connections with the French National Museum of Natural History (via a framework agreement).</p>

Commitment 4	
Develop people's interest in preserving biodiversity by means of an artistic or cultural approach	
Action to undertake	Targets and expected results
<p>Create a working group, choose a topic (e.g. Food); on that topic, first tell (what are the impacts on biodiversity when I buy processed vegetables or fruits that are grown far away or are out of season), then show (give a presentation on food to all employees), then share best practices so that employees can choose to apply them in their personal lives.</p>	<p>Spread awareness of the impact of our everyday individual actions on biodiversity.</p> <p>Spread awareness of the impacts of these topics (food, cleaning products, cosmetics, apparel, energy, transport, finance, etc.) to make behaviour more favourable to biodiversity.</p>

SEGEX'S INDIVIDUAL COMMITMENTS IN *act4nature*

Segex group* is a French medium-sized construction company, leader in the landscaping sector. It is standing out for 50 years by its atypical positioning as a company of multi-specialist works, recognised for its ability to build and maintain complex and multi-skilled projects, for people and nature.

Its landscaping and maintenance of outdoor spaces services make it an actor with a strong environmental responsibility (more than 3,000 building sites per year), particularly regarding to its impacts, positive or negative, on biodiversity sites entrusted to it.

Biodiversity is thus at the heart - and indeed the object - of a large part of its activities.

Highly aware of this responsibility, the Segex group embraces *act4nature's* common commitments that echo its own commitments to responsible development:

1 Support our customers by developing the biodiversity of their sites (Common commitments 1, 2, 3, 4, 5, 6, 7, 10)

The possibilities of enriching ordinary but also protected biodiversity are huge and unknown to the owners of outdoor spaces and green roofs.

The Segex group is committed to:

- Enriching its offer of positive biodiversity service, to all customers.
- Actively participating to collective actions led by professional organisations for biodiversity.
- Developing awareness campaigns for its stakeholders: customers, users and employees of its customers, suppliers.
- Developing solutions for assessing the evolution of biodiversity on the sites managed by its companies and implement them via partnerships with scientific organisations and associations.

2020 Objectives:

- In place biodiversity offer.
- Solutions for measuring/assessing used and in place biodiversity.

2 Stop the use of synthetic chemical plant protection products (Common commitment 5)

French leader in the ecological maintenance of green spaces, the Segex group is committed to:

- Continuing its information and awareness actions to change the way customers look at their green spaces and convince them to adopt this type of maintenance.

2020 Objectives:

- 100% of EV maintenance revenue achieved without synthetic chemicals.

- Continuing and intensify its R&D actions through a participatory internal innovation process.

2020 Objectives:

- Process innovation in place. 2 innovations per year.

3 Extend biodiversity skills acquired in green spaces to the other group's activities (Common commitments 5 et 8)

Atypical because of the co-activity of its construction and landscape companies, Segex group can make it a strength and:

- Create an emulation on this subject by creating a biodiversity community on the internal collaborative network, open to all employees regardless of their activity to develop professional, but also personal, positive actions.

2020 Objectives:

- 200 members in the biodiversity community.

* Segex, Segex Energies, TARVEL, Agrigex, Mabilon, l'Eden Vert, Agrigex Nord Picardie-SAEE, Seirs-TP...

■ Sensitise all its construction site employees to the ordinary and protected biodiversity protection, starting with the managers who will animate the "biodiversity quarter of an hour" on construction sites; display, fact sheets, site documents, etc.).

2020 Objectives:

- 90 % sensitised building staff.

■ Train managers in ERC principles and Biodiversity law regulations so that they can be involved with their teams and their clients.

2020 Objectives:

- 100 % of operating managers trained in ERC principles.

■ Strengthen its current centre of expertise in ecology so that it supports all activities in the consideration of biodiversity in their projects.

2020 Objectives:

- Doubling the workforce.

4 Develop de Natura, its endowment fund for the benefit of domestic, animal and plant biodiversity.
(Common commitment 9)

Recently created by 4 landscaping firms (2 from Segex group) de Natura already has 4 founders, 9 patrons, 10 partnerships for the benefit of biodiversity development projects: 2 VAVILOV conservatory gardens (project of 15 VAVILOV gardens networked on the national territory) and the reintroduction of VAVILOV in Russia.

It has also actively participated in the safeguarding of the Solognote ewe by giving it back an economic value by the eco grazing (contribution to the increase of the French herd passed from 1000 to 6000 heads approximately).

2020 Objectives:

- Establishment of a 15 VAVILOV conservatory gardens network;
- Installation of a VAVILOV experimental station and awareness, in Lyon region;
- Development of eco-pasture practices with other threatened species and breeds;
- Increased number of sponsors and budget (300%).



Pierre DONNERSBERG
CEO

<http://www.s2hgroup.com/en/about-us/responsible-and-sustainable-commitments>

SIACI SAINT HONORE'S INDIVIDUAL COMMITMENTS IN *act4nature*

The Siaci Saint Honore group is an independent French leader in personal and property insurance brokerage and consulting services and a key provider of corporate services to companies with strong positions in Europe and across the globe.

The group currently employs more than 2,500 staff members worldwide, insures 2.5 million people in France and abroad and recorded €350 million in turnover in 2017.

As major players in personal and property insurance, the group's executives wish to incorporate environmental concerns more broadly into their decisions and businesses.

Our current commitment is more generally part of the group's CSR strategy. This strategy is steered by a dedicated committee, under the responsibility of the General Secretary, which defines the objectives and monitors our actions.

Its coordination has been entrusted to Samanta Le Pont, the group's Risk and Compliance Director.

The group's projects, which make up our individual commitment, are focused on the following 5 areas.

■ Siaci Saint Honore supports its clients in their commitments by providing "Environmental Liability" insurance solutions.

The objective is to promote the sustained resilience and functionality of ecosystems in the event of damage or risk of damage.

Indicator:

Increased volume of business for "Environmental Liability" insurance solutions.

■ With a view to reducing its environmental footprint, Siaci Saint Honore is committed to improving its knowledge of the consequences of its business on biodiversity. After conducting a carbon assessment in 2017, the group will develop an assessment of its water footprint.

Indicator:

Group water footprint assessment (project to be conducted in 2019).

■ As a service provider, Siaci Saint Honore is concerned about the environmental footprint of its premises, first and foremost its headquarters.

The owner, the manager and the group in its capacity as tenant are committed to a "HQE Exploitation" certification process for the SEASON building in the Batignolles district in Paris.

Indicator:

Certification to be granted for the "sustainable use" category in 2019.

■ Siaci Saint Honore is committed to improving checks on the origins of its inputs by incorporating elements to cut greenhouse gas emissions and water pollution and to protect biodiversity in its supplier selection process.

Indicator:

Proposal of additional clauses to contracts and supplier assessments based on a questionnaire distributed to all suppliers in the second half of 2018.

■ Group employees, as full stakeholders of the future of biodiversity through their daily practices and choices, must be made aware in order to develop their knowledge.

Indicator:

Two communication actions each year.

The results of these commitments will be assessed in 2020.



Guillaume PEPY
CEO

<https://www.sncf.com/en>

SNCF'S INDIVIDUAL COMMITMENTS IN *act4nature*

SNCF is a corporate citizen close to the nation's territories. Promoting biodiversity means working with regards to the environment, in synergy with the territories, and in the spirit of a better integration. With its 32,000 km of rail lines, its 100,000 hectares of property, its 3,000 train stations, and several hundred railway sites, the railway network is an intricate fabric woven over time that permeates the entire territory and therefore permanently interacts with nature.

SNCF is directly concerned by this interaction, as its activities impact biodiversity. However, its properties also offer the opportunity to shelter and preserve it. Acting in favour of biodiversity is not only a necessity, but it is also a way to strengthen the company's advantages with regards to its properties, which constitutes, in synergy with the territories, a series of opportunities for biodiversity.

This is why SNCF has committed in 2018 to further actions undertaken in previous years through the publication of the guidance document "Approach to Biodiversity" to structure these changes across the Railway Group's diverse activities.

Biodiversity plays a major role in SNCF Réseau's CSR policy: commitment n°6 of the company's strategy aims to "respect natural ecosystems as a common good." It is therefore integrated in the business strategy and in the state's performance contract (the restoration of ecological continuity) which are subject to annual reporting.

Collective engagement is fundamental: SNCF has joined numerous environmentally focused corporate partnerships, such as EpE, Orée, CILB, Comité 21, etc.

The SNCF group also finances research projects and are members of the Strategic Orientation Council (COS) for the Research Foundation for Biodiversity (FRB).

Our current commitment follows in the footsteps of past actions and increases our ambition levels to match the high stakes already affecting biodiversity in France and in the rest of the world.

Therefore, our company commits to:

- For its estate (railway network, brownfield sites, and buildings):

Commitment 1

Wherever possible, transforming our infrastructure corridors into ecological corridors and contributing to the green and blue belt through an adaptive management of the lands bordering railway lines and the deployment of maintenance agreements with third parties (commitments 3, 5, 6). Number of maintenance agreements established with third parties to reopen the lands.

Already underway – ongoing action.

Commitment 2

Restoring the environmental continuities of waterways through specific programmes or through development projects on the existing network (commitments 5, 3). Number of environmental continuities of the regained waterways out of the 110 registered on list 2.

Already underway.

Objective:

Absorb 50% of the hydroecological discontinuities by 2025 (with the ambition to reach 100% by 2030).

Commitment 3

Reducing collisions with wildlife (commitment 3) through a global and concerted approach with territorial actors, by experimenting several mechanisms and sharing results and data with stakeholders.

Number of collisions by year (with impact regularity).

Already underway – ongoing action.

Commitment 4

Evaluating the ecological enhancement potential of our property (commitment 4).

Number of sites studied and the surface of recovered plots.

Ongoing action, started in 2 regions.

Commitment 5

Considering vegetation in railway stations and sites differently, through the balanced management of green spaces surrounding them, to promote biodiversity (commitment 4).

% of railway stations and sites with a balanced management of its green spaces.

Already underway – ongoing action.

■ In the context of development and modernisation projects of the railway network

Commitment 6

Reinforcing the PRO process (Prevent/Reduce/Offset) in our environmental design process for projects (commitment 5). Ensuring the lasting management of our site mitigation (with the effective implementation of the recommended measures: the introduction of a tracking system).

Implementation date of the tracking system.

Already underway – ongoing action with a 2020 milestone.

Commitment 7

Guaranteeing the use of 100% of certified woods for our railway sleepers (bought in and outside France) through the search for and the control of environmentally responsible wood providers (commitment 4).

% use of certified wood/partnerships with wood providers.

Achieved in 2018, need to maintain.

Commitment 8

Reinforcing controls for the implementation of recommendations for the preservation of biodiversity as imposed by benchmarks in the context of construction sites.

Already underway – ongoing action.

■ Based on the collective value of the group

Commitment 9

Reinforce the trainings and awareness campaigns specific to biodiversity as applied to the different professions of the group (commitment 8).

Number of measures and number of agents sensitised.

Already underway – ongoing action.

Commitment 10

Contribute to knowledge through the promotion of tools for participative science for citizen-employees in collaboration with environmental non-profit organisations (commitment 8).

Number of awareness measures/Number of participants for the tools developed by LPO.

Already underway – ongoing action.

Commitment 11

Contribute to the fight against invasive plants to protect biodiversity and the health of our residents and agents (commitments 4, 5).

Number (and extent) of sites undergoing actions.

Already underway – ongoing action.

Commitment 12

Integrate skills-based sponsorship for the protection of the environment in the SNCF Foundation's missions, with a focus on biodiversity (commitments 8).

Number of offered and completed assignments.

Action started second semester 2018 – ongoing action.

■ With key stakeholders and peer networks

Commitment 13

Continue the existing partnerships with actors in biodiversity, in addition to maintaining a privileged dialogue with the non-profit world (commitments 2, 9).

Number of partnerships / partnership contributions.

Already underway – ongoing action.

Commitment 14

Leverage investors to incite them to make responsible investments (Green bonds) (commitments 3, 11).

Amounts of Green bonds - climate/biodiversity (annual reporting).

Started in 2017 for €2.65 billion.

Procedure renewed in following years.

Commitment 15

Pursue our commitment to research on biodiversity through cooperation with the Research Foundation for Biodiversity (FRB) and the ITTECOP research programme and implement the obtained results (commitments 2).

Budget dedicated to research.

Already underway – renewed yearly.



Riprap fishway at sill level under the Vidoule Bridge in Gallargues le Montueux

Frédéric OUDÉA
CEO

<https://www.societegenerale.com/en/measuring-our-performance/csr/responsible-finance>

SOCIETE GENERALE'S INDIVIDUAL COMMITMENTS IN *act4nature*

Actor of the economy for over 150 years, Societe Generale supports economic development worldwide with its presence in 67 countries.

For more than 10 years, the Group has implemented environmental and social (E&S) commitments in the context of its banking and financial activities. These commitments evolve regularly in a logic of continuous improvement. They are complemented and broken down by sectoral E&S policies for sectors considered to be the most sensitive, some of which explicitly integrate the issues of biodiversity conservation (agriculture, fisheries & agri-food, logging, palm oil, oil and gas ...).

In 2014, Societe Generale also published a cross-sectoral biodiversity policy aimed at better regulating the products and services associated with a potential risk of erosion of biodiversity and ecosystem services.

The policy includes adherence to the following conventions and initiatives:

- The Convention on Biological Diversity and its Strategic Plan for Biodiversity 2011-2020 including Aichi Biodiversity Targets;
- The Conventions targeting species protection, including the Convention on International Trade in Endangered Species of Wild Fauna and Fauna (CITES) and the Convention on the Conservation of Migratory Species of Wild Animals (CMS or Bonn Convention);
- The Conventions targeting protection of areas or habitats such as the Convention on Wetlands of International Importance (Ramsar Convention); the UNESCO Convention on the Protection of the World Cultural and Natural Heritage and the UNESCO Man and Biosphere Programme (MAB);
- The International Union for Conservation of Nature (IUCN) Red List of Threatened Species;
- The UNEP/IUCN World Database on Protected Areas;
- The initiative defining Key Biodiversity Areas.

Societe Generale has joined the *act4nature* initiative and makes the following individual commitments:

■ Societe Generale, as part of its dedicated E&S transaction assessment, ensures that when the funded activities are located in protecting area, mitigation measures are implemented with a target of zero net loss in biodiversity. This also includes activities that are likely to have significant impacts on protected areas (IUCN I to IV) or identified as Key Areas for Biodiversity.

■ Societe Generale applies the Equator Principles to the scope of this initiative and, for these operations, verifies compliance with the IFC Performance Standard 6 (Conservation of Biodiversity and Sustainable Management of Living Natural Resources);

■ Societe Generale has joined the "Soft Commodities Compact" of the "Banking Environment Initiative" and, in this context, ensures that its clients in corporate and investment banking, significantly active in the upstream oil palm sector in regions with high risk of rainforest loss, have taken measures before 2020 to verify that their operations are consistent with a goal of zero net deforestation.

■ Societe Generale does not intervene in dedicated transactions:

- for the exploration and production of oil from oil sands;
- for the exploration and production of Arctic oil;
- for facilities producing first generation biofuels;
- for upstream oil and gas operations located within a World Heritage Site or with material adverse impacts on the outstanding universal value of a natural World Heritage Site;
- for plantations (lumber or oil palm) threatening areas of high conservation value, or created by replacement of primary forest.

■ Societe Generale has joined the Club B4B+ initiated by CDC Biodiversity with the aim of developing by 2020 a methodology for assessing the biodiversity footprint of certain economic sectors in order to develop a single aggregate indicator in the same way as the carbon footprint. The Club B4B+ will also develop partnerships with stakeholders who have an impact on biodiversity.

The assessment of the implementation of the initiatives will be published in our reference document, which is verified by an independent third-party and on the group's corporate website.

STORENGY'S INDIVIDUAL COMMITMENTS IN *act4nature*

Storengy is the subsidiary of Engie in charge of the development and operation of the underground storage of natural gas, of geothermal science; and innovative solutions in the production and storage of non-carbon energies.

The main impact of Storengy on biodiversity is its land ownership: 1 600 ha owned in France, of which 500 ha are non-natural, although not without biodiversity, and 1 100 ha of land reserves including farmlands and a forest.

The voluntary commitment of Storengy to the national strategy for biodiversity (SNB) was recognised in 2015. It is completely in line with the common objectives of the SNB commitment of Engie.

Since 2010, Storengy attempted to French align its policy in favour of biodiversity on its 14 French sites, by grassroots actions, biodiversity training and promotion, in relation with its stakeholders and all the local actors.

Throughout this apprenticeship, Storengy has always taken the time to share its experience 1-1, its successes as well as its difficulties, with the other business units of Engie, the member companies of the Working Group of IUCN France⁽¹⁾ "Entreprises et biodiversité", and also with its local and national stakeholders (LPO, CEN, MNHN, authorities, representatives, etc.).

By supporting *act4nature*, Storengy is strengthening its SNB commitment, already implemented within the framework of its regulated activity (French storage sites) but also to apply it more completely to its non-regulated activities (German and British storage sites, projects of production and storage of non-carbon energy, geothermal science, service offers).

The SNB action plan of Storengy already integrates numerous elements of the 10 common commitments of *act4nature*, in particular 1, 2, 3, 5, 7, 8, 9 and 10.

Storengy is committed to continuing the SNB approach, to improving it and to undertake points 4 (Promoting the progressive integration of biological diversity into decisions throughout our value chains) and 6 (Giving priority to the development of heterogeneous Nature-Based Solutions):

1 Integrating biodiversity into our corporate strategy

The voluntary SNB action plan is declined within the French sites. The implementation of action plan is accompanied by a specific operational organisation: the Biodiversity Committees Network.

2 Engaging in dialogue with all our stakeholders

Action SNB 2 (Implement awareness-raising activities around biodiversity with the stakeholders of the sites of Storengy).

3 Assessing the various components of biodiversity that affect us

SNB indicators, Action SNB 4 (Improve the reporting of the actions of Storengy by reporting on the ways mobilized to improve the biodiversity and on their efficiency) + active participation in the club B4B + of CDC Biodiversité.

5 Primarily preventing, reducing and ultimately offsetting our impacts, by seeking on a case-by-case basis no net loss as a bottom line and even a net gain of biodiversity

Support the projects of Energy Transition by considering the biodiversity issue very early in dialogue with local stakeholders.

7 Incorporating biodiversity into our dialogue with policymakers

Voluntary SNB commitment of Storengy (only in France).

8 Raising awareness of and train our employees

Action SNB 1 (Lead activities to raise awareness of biodiversity among employees).

9 Mobilising resources and establishing partnerships

Budget towards biodiversity of around 350 k€ / year.
Action SNB (Continue the ecological assessment of Storengy sites with the MNHN to set up ecological management plans and ecosystem restoration) and 9 (Contribute to the development of R&D through collaborations with the MNHN and the naturalistic partners to treat ecological problems on the sites of Storengy).

(1) Storengy assures the presidency of the Working group since June, 2017 for a duration of 3 years.

- Project ownership assistance to undertake the LPO and the CEN Center Val de Loire and Rhône-Alpes.
- Agreement with UICN France for the follow-up and the annual reframing of the action plan of SNB.
- Annual Audit by Deloitte of the actions to improve biodiversity included in the company's annual report.

10 Publicly reporting on the implementation of these commitments

Progress and results of the implementation of the voluntary commitments of Storengy on biodiversity are only in internal documents of Storengy and Engie.

With this new commitment to **act4nature**, Storengy, key player of the Energy Transition, wishes to assert its contribution to the ecological transition. It indeed considers that the biodiversity conservation is not contradictory with the development of its new projects of Energy Transition (geothermal science, thermal storage, biomethane, hydrogen, Power-to-Gas etc.), in France as international, but should instead strengthen them.

Our **act4nature** commitment, in addition to the SNB, is based on 2 ambitions:

- Strengthen the inclusion of biodiversity in the business model of Storengy;
- Better value the actions performed to improve biodiversity, internally as externally.

These commitments will be put into practice in the following ways:

Strengthen the inclusion of biodiversity in the business model of Storengy

By the end of 2018:

- Integrate systematically biodiversity into the new projects of Energy Transition, from design stage, with a CSR approach: assessment of risks and opportunities relative to

biodiversity inclusion, but also consideration of the expectations and experiences of the relevant stakeholders.

- Take the lead in multi-partner projects for a global consideration (CSR) of biodiversity.
- Develop the commercial offer of Storengy Bee to Bio@ service of societal and environmental engineering, centred on valuation of the potential biodiversity of companies, to demonstrate the benefits of biodiversity conservation to our partners and customers.

From 2019 till 2020:

- Spread the SNB approach to the German and British subsidiaries of Storengy while taking into account the local specificities, both cultural and natural of those territories.
- Spread and adapt the reporting set up within the framework of the SNB to the German and British subsidiaries of Storengy, as well as in the Energy Transition project.

Better value the actions performed to improve biodiversity, internally as well as externally

By the end of 2018:

- Continue to spread offers of biodiversity training, with the support of Engie and the academic and associative partners of Storengy (CEN, MNHN, universities): share experience and proposals with IUCN France (Working Group of IUCN France "Entreprises et Biodiversité").
- Encourage more industrial sites of Storengy to organize events promoting local biodiversity protection initiatives, for example the "Fêtes de la Nature", and to promote these events both internally and externally.

From 2019:

- Alongside the partners in the projects of Energy Transition, communicate and value CSR actions, especially those concerning our biodiversity, internally as well as externally. Share experiences feedback with stakeholders.



Jean-Louis CHAUSSADE
CEO

<https://www.suez.com/en/Who-we-are/A-committed-group/Preserve-biodiversity>

SUEZ'S INDIVIDUAL COMMITMENTS IN *act4nature*

Suez made a commitment in 2015 to launch a resource revolution, which means designing services that enable development while reducing pressure on natural resources. Biodiversity is one of these resources.

For Suez, it is:

- A natural asset at the beginning of the group's value chain;
- A resource affected by the infrastructure managed by the group (networks, factories, waste storage centres etc.);
- A resource preserved by the contribution of the group's activities to protecting natural capital (biodiversity reservoirs, wildlife corridors, wastewater treatment, artificial wetlands etc.).

Preserving and promoting biodiversity are thus part of the commitments Suez has made in two areas:

- The group's 2017-2021 Sustainable Development Roadmap, whose progress is published every year;
- The Suez contribution to France's National Biodiversity Strategy (2011-2020)⁽¹⁾.

These commitments can be summarised as follows:

1 Measuring our impact and promote biodiversity

→ **Commitment:**

Rolling out biodiversity action plans at 50% of priority sites managed by the group by 2021.

To identify these priorities, Suez has developed diagnostic tools (Ecological Quality Indicator) and decision support tools (Mesange®) tailored to its activities.

→ **Commitment:**

Implementing a biodiversity strategy in all Group Business Units by 2021.

Suez intends to draw inspiration from its contribution to the National Biodiversity Strategy in France, proposing to adopt strategic priorities and action plans adapted to local issues and the specifics in the countries where it operates.

2 Strengthening consideration for biodiversity in the value chain of the Group's activities

→ **Commitment:**

Putting forward 100% sustainable solutions by 2021.

Suez will set up a consistent and complete evaluation reference system to guarantee that its new solutions contribute to addressing the main issues of sustainable development: water resources, biodiversity, climate change, health, the expectations of citizens.

3 Promoting circular economy solutions that encourage biodiversity

→ **Commitment:**

Doubling the volume of plastic recycled by 2021;

→ **Commitment:**

Speeding up by 2021 the roll-out of integrated and collaborative approaches designed to significantly reduce the disposal of plastic at sea.

80% of waste disposed of in the world consists of plastic, affecting biodiversity and the marine food chain. Suez is committed to using its expertise to deploy new water and waste management models that limit the flows of macro- and microplastics that find their way from land to sea.

4 Incorporating biodiversity in research and innovation programmes

→ **Commitment:**

Defining the outlines of a marine biodiversity research programme by 2020.

Suez is committed to a policy of partnerships with the UNESCO Intergovernmental Oceanographic Commission and with specialist NGOs and has launched an internal R&D programme on the subject.

→ **Commitment:**

Offering our customers solutions to treat microplastics in wastewater before it is discharged into the sea by 2021.

(1) For more information concerning SUEZ contribution to France's National Biodiversity Strategy, please refer to: <https://www.suez.com/en/Who-we-are/A-committed-group/Preserve-biodiversity>

Currently in its pilot phase, this group R&D programme aims to equip wastewater treatment plants with microplastic processing systems with capacity for one million population equivalent by 2021.

5 Promoting a framework for actions that encourage biodiversity

→ Commitment:

Deploying a biodiversity awareness module in all the group's Business Units by 2020.

This e-learning module is currently in the test phase, with help from the group's network of biodiversity experts.

→ Commitment:

Designing guides to biodiversity management for all the types of sites managed by the group by 2020.

The guide currently intended for large waste recovery sites will be supplemented by a guide for small sites and guides covering drinking water plants, wastewater treatment plants, sorting centres etc.

6 Sharing knowledge

→ Commitment:

Supporting a partnership programme of studies and research with the Muséum National d'Histoire Naturelle until 2021.

In 2017, Suez renewed its partnership with the French Muséum National d'Histoire Naturelle with the aim of creating biodiversity indicators relevant to all the Group's activities in France, studying the integration of land assets into ecological networks at different scales (via a thesis project) and contributing biodiversity data from sites managed by the group to the National Inventory of Natural Heritage.

In addition, Suez has made a commitment to a support programme for CIFRE theses relating to biodiversity: having co-directed a doctoral thesis on the incorporation of biodiversity into environmental accounting, the group is supporting a thesis supervised by Orée on the role of ecosystem services in land valuation.

→ Commitment:

Annual monitoring of the group's Sustainable Development strategy and performance by a panel of stakeholders.

Suez is committed to strengthening still further the role of dialogue with stakeholders within the group's processes: every year, it reviews the progress of its Sustainable Development policy, including the biodiversity commitments in its Roadmap, with a panel of stakeholders moderated by a third-party guarantor.

Patrick **POUYANNÉ**
CEO

<https://www.total.com/en/commitment/environmental-issues-challenges/environment-protection/protecting-biodiversity>

TOTAL'S INDIVIDUAL COMMITMENTS IN *act4nature*

A producer of oil and gas for nearly a century, Total is one of the first international oil and gas companies and a major player in the low carbone⁽¹⁾ energies, present on the five continents in over 130 countries.

The group's activities cover oil and gas exploration and production, refining, petrochemicals and the distribution of energy in various forms up to the end customer. Committed to a better energy, more than 98 000 employees contribute all over the world to provide safer, cleaner, more efficient, more innovative and accessible products and services to the group's customers. An Essential resource, energy accompanies the evolutions of society. In the face of the great challenges of today's world, energy producers have a key role to play.

Total's individual commitments:

- 1 Total does not conduct oil and gas exploration or extraction operations at natural sites included on the UNESCO World Heritage List (at December 31, 2017).
- 2 Total does not conduct any oil exploration activities in Arctic sea ice.
- 3 Total develops biodiversity action plans for operated production sites located in the most sensitive protected areas corresponding to International Union for Conservation of Nature (IUCN) I to IV and Ramsar protected areas.
- 4 Total commits to implementing, as part of Total Foundation, a global programme for the preservation of forests, mangroves and wetlands, as well as restoration projects of degraded lands to balance development of agriculture and forest preservation, based on partnerships, and integrating youth education and awareness initiatives
- 5 Total, in partnership with specialised organisations, such as the UN Environment World Conservation Monitoring Centre, develops innovative tools and methods for the analysis and modeling of biodiversity data collected as part of its baseline studies and promotes their sharing with the scientific community.

- 6 Total promotes employee awareness of biodiversity issues through actions that promote biodiversity at its office buildings.

The HSE division and the HSE departments within the group's entities seek to ensure that both applicable local regulations and internal minimum requirements are being met.

The group steering bodies, led by the HSE division, have a threefold task:

- monitoring Total's environmental performance, which is reviewed annually by the Executive Committee, for which multi-annual improvement targets are set;
- handling, in conjunction with the business segments, the various environment-related subjects of which they are in charge; and
- promoting the internal standards to be applied by the group's operational entities as set out in the Safety Health Environment Quality Charter.

Due to their nature, the group's activities, and particularly its Exploration & Production activities, may be located in sensitive natural environments.

Total's operations can therefore have an impact on ecosystems and their biodiversity.

Total is aware of these challenges and takes biodiversity and ecosystems into account in its guidelines and operations:

- in the Safety Health Environment Quality Charter, which specifies that Total "is committed to managing (...) its use of natural resources and its impact on biodiversity" and ecosystems;
- in the biodiversity approach, set within the group's environmental framework, which incorporates the following core principles for action:

(1) Total S.A., a limited company incorporated under French law, today forms with all the group's companies the 4th integrated Oil and gas group listed worldwide according to the market capitalization criterion (in dollars) as at December 31, 2017.

1 - deploy the mitigation hierarchy "avoid-mitigate compensate":

Total applies this approach for the duration of its projects' lifecycle to minimise the impact of its activities on biodiversity,

2 - take into consideration the sensitivity of ecosystems:

In the course of its business, Total identifies and takes into account the diversity and sensitivity of various environments in terms of biodiversity,

3 - manage biodiversity:

Total incorporates the biodiversity impact and risk management into its Environmental Management Systems and refers to good practices within the industry,

4 - report:

Total reports to its stakeholders on its biodiversity performance,

5 - improve knowledge of biodiversity:

Total participates in the improvement of knowledge of biodiversity and ecosystems as well as managing the stakes involved, through R&D initiatives taken with local and international partners and professional associations.

The group commits not to engaging in oil and gas exploration or extraction operations at natural sites included on the UNESCO World Heritage List of 31 December 2017.

The group publishes the list of its licenses in the Arctic zone on its web site, and Total does not conduct any exploration activities of oil fields under sea ice in the Arctic.

The group will report on its actions related to its biodiversity commitments through its registration document.

Total conducts sensitivity and impact analyses for the development of all its projects. A biodiversity action plan is developed for operated production sites located in the most sensitive protected areas, corresponding to the IUCN I to IV or Ramsar categories.

The biodiversity action plan developed in 2015 for Djeno in the Republic of the Congo is currently being deployed. A second plan had been developed on the Atora site in Gabon, which was sold in 2017. Other plans will be developed in the short term, in particular the Tempa Rossa project in Italy, or in the medium term, in Uganda (the Tilenga project), in Tanzania (the EACOP project) and in Papua New Guinea (the PAPUA LNG project).

In addition to applying the general principles of the group's biodiversity policy, Total has agreed to meet the performance standards of the International Finance Corporation (IFC, World Bank) for its Tilenga, Papua LNG and EACOP projects, in order to take the particularly sensitive biodiversity of certain sites into consideration.

In this respect, Total can set itself a target of a net gain in biodiversity due to the possible impacts of these projects on critical habitats, by adopting the "Avoid-Mitigate-Compensate" approach, and by avoiding wherever possible. The a goal of Net Gain of biodiversity aims to set for a site a programme of actions for biodiversity aiming to go beyond the mitigation of the residual impacts that the activities of the site could have caused, in order to obtain a global Positive net impact on the key values of biodiversity impacted by activities.

In Uganda, for example, a "Biodiversity and Livelihoods Committee" has been set up with external stakeholders from national and international organizations specialising in nature protection and relations between Communities and wildlife. Its role is to ensure that best practices are properly implemented by Total for its operations in order to facilitate the achievement of its goal of net gain in biodiversity.

The group actively contributes to the development of best practices related to biodiversity and ecosystem management in the extractives industry through its partnerships with IPIECA, the Cross-Sector Biodiversity Initiative (which brings together the Equator Principles signatory banks and the mining and oil industries), the United Nations Environment Programme's World Conservation Monitoring (UNE-WCMC) and other work groups on biodiversity bringing together stakeholders from beyond the private sector, such as the Business and Biodiversity Offset Programme (BBOP), which includes international NGOs, governments, universities, the World Bank, etc. In France, Total continues its partnership with the Fondation pour la Recherche sur la Biodiversité (FRB, Foundation for biodiversity research) and the Centre Vétérinaire de la Faune Sauvage et des Ecosystèmes des Pays de la Loire (CVFSE, France).

More broadly, Total's partnerships are essential to help improve the group's biodiversity performance, particularly in identifying sensitivities upstream of decision-making processes.

These partnerships also provide the group with the opportunity to develop innovative tools supporting this approach to characterising biodiversity sensitivities.

In addition, this approach promotes the generation of data available to the scientific community (such as in Uganda, for example) and which can enrich the knowledge of local and global natural heritage.



www.unilever.fr/sustainable-living/

UNILEVER'S INDIVIDUAL COMMITMENTS IN *act4nature*

At Unilever, we rely on nature for many of the ingredients and raw materials that make up our products. We are working in partnership with others to explore how natural capital can be better integrated into business decision-making.

Approaches to managing natural capital

Natural capital is another term for the stock of renewable and non-renewable resources (eg plants, air, water, soils, and minerals) that combine to yield a flow of benefits to people. The benefits provided by natural capital include clean air, food, water, energy, shelter, medicine, and the raw materials we use in the creation of our products.

It also provides less obvious benefits such as flood defence, the regulation of the climate and pollination of crops.

Studies have shown that as a global population we are depleting natural resources faster than the earth can replenish them, and at an accelerating rate. As a society, we have effectively grown financial capital in large part through the use, exploitation, and degradation of natural capital.

Measuring natural capital impacts

Like many businesses, our first step towards considering our relationship with natural capital has been to consider our principal environmental impacts. We defined these as greenhouse gases (GHG), water and waste – three "pillars" of the Unilever Sustainable Living Plan (USLP).

What sets the USLP apart is that it takes a value-chain approach, seeking to identify these impacts not only within our own operations but also within our supply chain and in consumer use. We developed methodologies for measuring our footprint in each of these areas and set time bound targets for reducing them. Find out more about our greenhouse gas, waste and water footprint approaches.

Beyond these three pillars, Unilever also considers broader natural capital issues in a variety of specific contexts related to the USLP.

Natural capital & deforestation

Our efforts to eliminate deforestation from commodity supply chains are driven in part by the GHG impacts of tropical deforestation, but also through a recognition of the rich natural capital and biodiversity at risk in areas of high conservation value.

Natural capital & sustainable agriculture

Unilever's Sustainable Agriculture Code (PDF | 2MB), includes 11 social, economic and environmental indicators. Many of these relate to natural capital, including soil health, soil loss, nutrients, pest management, and biodiversity.

In our tea supply chain we actively manage the relationship between our tea plantations and the ecosystems that support them, including the Mau Forest in Kenya which borders our plantations and is integral in ensuring a water supply to our site.

Natural capital & water

We routinely consider dependencies on natural capital such as water when considering the location or relocation of manufacturing plants, recognising that without these supplies we may be unable to operate competitively. Additionally, we place extra focus on water efficiency in water-scarce locations.

We are also actively considering our consumers' dependencies on water as a critical driver of our own innovation, helping to improve access to clean water through innovations such as our patented SmartFoam technology in Sunlight 2-in-1 Handwashing Laundry Powder and RIN detergent bars – both of which use up to half the water needed for rinsing, making the washing process easier and less water-intensive for consumers in water-scarce regions.

Developing tools to integrate natural capital in decision-making

Many of our raw materials come from agriculture. They are the fundamental ingredients for our food and refreshment products, as well as our beauty & personal care and home care products such as detergents and soaps.

The interest in bio-based materials for these product categories is likely to increase in the future, a phenomenon which is not unique to Unilever. Global food production is expected to increase by 70% by 2050 and demand for non-food agricultural products, including biofuels, wood products, and textiles, is also expected to increase, heightening competition for land and water. We believe that it will be increasingly important to manage the demands of competing uses for these resources and their impacts on the environment.

For these reasons, Unilever's Safety and Environmental Assurance Centre contributed to a partnership with Stanford University and the University of Minnesota called the Natural Capital Project. Consumer goods companies often rely on life cycle assessments (LCA) to establish the potential consequences of design and sourcing decisions. This kind of assessment, while sophisticated, often lacks detail about how the products impact natural resources such as land, water and biodiversity.

The project resulted in a new kind of assessment to integrate these impacts in a more detailed way. Called "Land Use Change Improved Life Cycle Assessment" (LUCI-LCA), the approach can help researchers and companies more accurately predict impacts of new designs and sourcing approaches and is especially helpful for Unilever in the context of our zero net deforestation commitment. We continue to work on developing approaches to predict land use change and plan to publish our research in 2018.

Working with others to advance best practice in natural capital management

Since the USLP was launched, there has been a wide ranging global conversation on how natural capital approaches can be improved and strengthened. Many now recognise the need to move beyond managing impacts on natural capital, and consider more holistically the management of stocks of natural capital, flows of natural capital within systems, and dependencies of organisations on natural capital.

We are working with others to understand more about how to do this. One of the principal developments has been the establishment of the Natural Capital Coalition, of which Unilever is a member. The Coalition is made up of organisations in many sectors including science, academia, business, finance and government. These organisations have united under a common vision of a world where business conserves and enhances natural capital.

One of the key outputs of the coalition has been the Natural Capital Protocol, launched in July 2016, which aims to guide businesses in the identification, measurement and management of natural capital impacts and dependencies. The development of the Protocol was led by the World Business Council for Sustainable Development as part of its "Redefining Value" Programme.

Unilever provided technical comments on the draft Protocol and has shared outputs of the Natural Capital Project with this group to encourage wider uptake of the methodology developed.

In 2017 we gave feedback on the Natural Capital Protocol toolkit, amongst other things incorporating our research on Land Use Change Improved Life Cycle Assessment.

Taking it further - valuation

We recognise that the world is in the early days of understanding and measuring natural capital in ways that can be systematically integrated into business decision making. Current approaches focus predominantly on impacts, and more can be done to understand flows, states and dependencies.

There are important questions about whether the valuation of natural capital will assist in the integration of natural capital decision-making, or whether it is preferable to understand the value of these resources independent of a monetary value being applied.

We have implemented an internal price on carbon for internal investment decisions in anticipation of future external costs of carbon being levied; find out more about how we have applied a €40 internal carbon price to fund investments in, for example, renewable energy generation. Other natural capital impacts within our value chain are significantly more complex and the regulatory conversation less advanced.

We have conducted an internal study to assess the feasibility and benefit of applying monetary values to impacts for a case study on bioplastics.

We found that while monetisation can be useful to show the magnitude of impacts on natural capital, the availability of suitable data is not yet sufficient for decision making between options, owing to the uncertainties involved. There is a risk that summing to one monetary value may hide trade-offs between environmental impacts, that are highlighted by our Land Use Change Improved Life Cycle Assessment approach.

We remain committed to working with others through the Natural Capital Coalition and with its members to continually evolve our approach to conserving and enhancing natural capital as part of our approach to building a more sustainable business.



The Biofore
Company

Jussi PESONEN
Chairman and CEO

<http://www.upm.com/fr/responsabilite/environnement/Forets/Pages/default.aspx>

UPM'S INDIVIDUAL COMMITMENTS IN *act4nature*

UPM is a forestry and paper group of Finnish origin whose activities are related to wood fibres.

UPM's corporate responsibility is based on "More with Biofore" strategy, in which renewable and recyclable materials play a leading role.

The aim is to ensure a better use of fibres and to offer products with higher value for a minimum environmental impact.

UPM has defined medium-term objectives set for 2030 (base date: 2008) for the 5 main sectors impacted by the group's activities, and monitoring indicators are published in the group yearly report and the EMAS reports for pulp and paper mills.

- Forest management and biodiversity
→ Ensuring sustainable land management and keeping forests full of life,
- CO₂ emissions from fossil sources
→ create solutions for the climate and working towards carbon neutrality, with sustainable biomass usage for energy production,
- Water
→ develop responsible use, by optimising the quantities used and treating the wastewater to reduce the load discharged into the environment,
- Waste
→ promotion of material efficiency and circular economy, development of specific processes for waste treatment and bring to end landfill for all sites,
- Product stewardship
→ taking care of the entire lifecycle into product design and all products covered by eco-labels.

Forests and biodiversity

UPM owned more than 570,000 ha of forests in Finland and 225 000 ha of eucalyptus plantations in Uruguay which are FSC (Forest Stewardship Council) or / and PEFC (Program for the Endorsement of Forest Certification) certified. These two systems assimilate requirements related to biodiversity and ecosystems protection.

UPM is responsible for managing about 1,000,000 ha of forests for private owners, with the same requirements regarding sustainable forestry, encouraging and facilitating certification for these owners.

More than 25 projects related to biodiversity, wildlife and flora, are developed in these forests and plantations, supported by foresters, scientists and partnerships with NGO's (WWF, ...) to develop methods of sustainable forestry and plantation management.

Indicators related to biodiversity: presence of dead wood, remarkable habitats, forest structure, share of natural forests are in place.

2030 target is to maintain 100% certification for the UPM properties.

These forests and plantations cover only part of supply virgin fibre needed by UPM factories.

UPM is committed to developing fibre supply, with full traceability and full compliance with regulations in place (European Timber Regulation...) for all the sites. These requirements are embedded in the UPM supplier code.

About a third of fibres used by UPM is recycled fibres, which facilities, by better optimisation of the resource (a cellulose fibre can be reused from 5 to 7 times) reduced pressure on forests and associated biodiversity.

2030 target is to develop a supply chain with 100% certified fibre (85% in 2017).

Climat

30% reduction in fossil CO₂ emissions from heat and electricity production, 1% per year energy efficiency improvement and 70% utilisation of renewable fuel.

Water

Use water effectively, with wastewater volume reduced by 30%, COD load by 40%.

Waste

Development of new solutions to recycle waste from factories, with the complete end to landfill and non-energy producing incineration in 2030 for all sites (89% of waste is recycled in 2017).

Products

100% of products covered by environmental decrees (69% of eco-label awarded products in 2017) and 100% of ISO 14001 / EMAS certified sites.

UPM Factories

2 UPM production units are present in France, with different activity:

- a paper mill producing 100% recycled paper, UPM Chapelle Darblay, located in Grand Couronne, near Rouen, which processes the recovered paper from the "Greater Paris" area and western France.
- a factory producing label adhesive complex, UPM Raflatac, based near Nancy.

The specific targets for UPM Chapelle papermill

With a 100% supply of recovered fibres, the target is reached for this criterion.

The site of UPM Chapelle has developed its objectives regarding water usage, with a direct impact on the aquatic biodiversity according to 2 axes:

- Reduction of the water used, in m³ per ton of paper produced,
- Decrease of effluent load with targets on organic load (COD, BOD₅) and dry matter in suspension (MÉS),
- Decrease of nitrogen and phosphorus load, with impact on eutrophication.

The specific targets for the UPM Raflatac site

- Development of delayed mowing on 12140 m² (18% of the surface of the site) in 2018,
- Measurement of impact on biodiversity using the insects counting (butterflies) on the 2 types of surface (mowing and delayed mowing), according to a methodology defined by NGO "Noé / Observatoire de la biodiversité des jardins" in 2018 (participative science),
- Raising staff awareness on biodiversity issues: In-house training with participation on the 2018-2020 count,
- Planting of hedgerow with local species to promote ordinary biodiversity (insects / birds), with staff participation in 2019/2020,
- Suppression of phytosanitary products (herbicides) for the maintenance of the site (access, roads and car parks) in 2018.

Nancy Supply Chain

- Develop a paper supply chain 100% certified according to the FSC or PEFC standards in 2030. The rate of FSC or PEFC certified papers used in adhesive complexes in 2017 is 50%.
- Develop a biofilm supply chain to replace fossil-based films (Polypropylene, Polyethylene). Target set at 100% for 2030.

Antoine FRÉROT
CEO

<https://www.veolia.com/en/csr-performance/biodiversity>

VEOLIA'S INDIVIDUAL COMMITMENTS IN *act4nature*

Resourcing the world is a mission Veolia has set itself. Veolia's core activities, water, waste management and energy, naturally contribute to preserving biodiversity.

In 2015 Veolia made nine commitments to sustainable development, with one of them specifically made to biodiversity. The Group is committed to "preserving and restoring biodiversity" and is determined to both reduce its footprint from its activities as well as those of its clients, and also foster conditions that will help conserving species in their natural habitats. This commitment is made at the company's highest level by its CEO and by the Executive Committee members, each of them being responsible for one specific commitment.

In 2018, Veolia gets involved in the **act4nature** initiative and confirms its commitment by signing collective commitments and by making individual commitments. These commitments are in keeping with its 2015-2018 NBS action plan and will be part of the next NBS action plan for the period 2019-2021.

Veolia's approach is built around the three lines developed in its biodiversity commitment

Aspect 1

Better take into account biodiversity issues locally and design innovative solutions inspired by nature.

1 - Deploy the 2015-2018 NBS commitment and keep on implementing the biodiversity commitment beyond 2018.

In 2015, the Ministry for an Ecological and Solidary Transition acknowledged the group's commitment to the National Biodiversity Strategy in France.

The commitment materialised through the implementation of an action plan to be deployed until the end of 2018. It will be redefined in 2019 when the group renews its commitment to the new Ministry for an Ecological and Solidary Transition's NBS.

2 - Continuously improve its knowledge of biodiversity issues.

In 2015 a methodology to identify the sites with biodiversity issues was developed, focusing mainly on the impacts from their land coverage.

To go further, Veolia wants to add other criteria to this analysis and improve its knowledge in its issues such as its activities and processes major impacts and dependencies.

3 - Continue and reinforce the deployment of preservation plans in the seven main countries with biodiversity issues (nine Business Units).

In addition to the identification of sites with issues, the group has identified seven priority countries for the implementation of actions for biodiversity (representing 75% of the total revenue and 80% of permeable land). Most of these countries have developed a preservation plan (countries action plans for biodiversité).

Over the period 2019-2022, the group will strengthen its assistance and the monitoring of their commitments implementation (deployment indicators, support, etc.).

4 - Continue developing impact indicators with research bodies to measure the state of biodiversity.

It means carrying on the works Veolia and the MNHN have been undertaking since 2016 on biodiversity and ecosystems health indicators. The indicators are based on an analysis of the environmental noise during which bats are counted and identified.

Bats are good ecosystem's health indicators, and studying these data allows to measure the impact of development projects or of a specific policy.

5 - Put into place a biodiversity footprint assessment (or some equivalent system).

As for carbon, the group wants to put into place a biodiversity footprint calculation to better measure the external environmental factors of its activities.

In 2018, a review of footprint tools, existing or in progress, will be carried out.

At the same time, Veolia, will participate in the development of a biodiversity footprint tool produced by the CDC Biodiversity B4B club by bringing feedback from its activities and by testing the tool. These works will allow the group to select a footprint calculation tool.

6 - Preserve nature by fostering the circular economy.

One of Veolia's ambitions is to rethink its activities to be able to go from a linear to a circular logic and help its clients along the same path.

This is one of Veolia's sustainable development commitments three pillars: "Sustainably manage natural resources by supporting a circular economy".

The circular economy systematically turns waste into new resources, thereby contributing to the reduction of withdrawals from nature and protecting it from pollution. For this reason, the group has determined the target of achieving € 3.8 billion of its revenue linked to the circular economy by 2020. Similarly, Veolia is committed to protecting the sea and the ocean through its fight against land pollution and the transformation of waste; its target is to multiply by five its current revenue from plastic recycling by the year 2025 (1 billion euros revenue).

Aspect 2

Raise awareness and involve more people both internally and externally and promote initiatives put in place in collaboration with local players.

7 - Raise awareness of biodiversity among collaborators.

A support to raise awareness, developed by one of the Veolia's activities will be offered as soon as 2018 to all its Business Units. They will be able to adapt the support to their local context, using their own feedback, to train their managers.

An e-learning will be put on-line and accessible to everyone.

8 - Better enhance biodiversity internally and externally as a component of our activities.

To push forward the consideration given to biodiversity in its organisations and by its stakeholders, the group will reinforce its communication to better highlight its initiatives (create more links between activities and nature, breaking down barriers between other SDGs and Biodiversity).

Veolia will also more broadly promote the topic by working with its partners (IUCN, Orée, CDC Biodiversité, AFB, etc.) on projects and publications.

9 - Promote and foster biodiversity projects internally and with its clients.

Veolia developed a portfolio of biodiversity know-how to encourage its clients to adopt ecological solutions in their sites management processes. To go further and as soon as 2019, the group will carry out case studies illustrating good practices implemented by business units and will offer them internally and to its clients.

10 - Support initiatives and establish local partnerships.

To support its actions at a global as well as local level, Veolia will keep on reinforcing the establishment of partnerships with associations for the protection of the environment, in particular on its nine BUs sites which have biodiversity issues, including also other priority sites.

Aspect 3

Deploy ecological management actions for our sites and our clients.

11 - Encourage clients to put into place green infrastructures.

Where it operates, the group will suggest that cities put into place green infrastructure according to their issues and priorities (green discharge zones, vegetalisation to reduce heat islands, etc.).

12 - Assist sites, subcontractors and clients to put in place ecological tools.

In keeping with its commitment to the NBS, Veolia has made available to its site managers/or its clients and subcontractors various tools, in particular the ecological management calculator "EcoLogiCal", a guide to an ecological management and a green spaces maintenance charter.

The group will more broadly deploy the use of these tools on the sites it operates by 2021.

13 - Organise a feedback on the impacts from compensation management and strategy.

From 2019, Veolia will assess, overall its activities, its impacts on biodiversity, in particular in relation with projects that have to comply with a compensation requirement (or similar).

Xavier HUIILLARD
CEO

<https://www.vinci.com/vinci.nsf/en/sustainable-development/pages/biodiversity.htm>

VINCI'S INDIVIDUAL COMMITMENTS IN *act4nature*

Vinci designs, finances, builds and operates transport infrastructure and public facilities, which help improve daily life and mobility for all.

However, the group's companies conduct operations that have an impact on the natural environment, which needs to be considered right from the moment buildings and infrastructure are designed.

The priority to protect biodiversity is fully integrated into Vinci's business, especially when it comes to operations in quarries, transport infrastructure and building maintenance. As a result, the group formally signed up to France's National Biodiversity Strategy in 2012. Protecting biodiversity within Vinci's operations means the group has to adapt its methods and procedures across the entire life cycle of the infrastructure and buildings. This commitment is driven by a network of in-house specialists and external partners, such as the Ligue de Protection des Oiseaux (LPO, the French society for the protection of birds) and the Muséum National d'Histoire Naturelle (MNHN, the natural history museum in France). It applies both in France and abroad.

Our commitment over the coming years are split across five actions.

Action n°1

Improving knowledge in biodiversity.

Group's companies have fully incorporated biodiversity protection into their activities. Thus, they have conducted environmental inventories and diagnoses, which comply with and go beyond regulatory requirements. Furthermore, for the last 10 years, Vinci has been involved in primary and applied research in this area led by Agro Paristech as part of the Chair for Eco-design of buildings and infrastructure.

■ Vinci is committed to:

- Taking part in experimenting new methods to monitor species within existing ecosystem restoration operations (offsetting measures, limitation strategies, etc.).
- Monitoring indicators related to biodiversity challenges specifically developed as part of VINCI's operations, as well as consolidating data for all subsidiaries within the group and setting multi-annual targets both in France and abroad.

Sharing the indicators developed within the business lines, like the EQI indicator developed by Eurovia's quarry business.

- Continuing to update and create best practice feedback forms throughout the group, in particular on projects outside France.
- Supporting and developing the work of the Vinci/Paris-Tech Eco-Design Chair on taking biodiversity into account in development projects led by Agro Paristech, in particular in matters relating to ecological compensation, urban biodiversity and urban agriculture

Action n°2

Helping to share knowledge and best practice to protect biodiversity.

Vinci firmly believes in the importance of sharing feedback and knowledge among the Group and the industry.

■ Vinci is committed to:

- Integrating nature data collected through development projects into public data bases, both in France and abroad
- Sharing and promoting methods to monitor species across the group and with external partners
- Developing the practice of inviting the public onto the group's worksites and infrastructure to highlight issues relating to the protection of biodiversity
- Developing and sharing internal data management tools (e.g creation of a geographical IT system cataloguing the available ecological surveys carried out by Vinci companies across their scopes. Focusing on analysing Big Data collected by monitoring biodiversity in and around infrastructure sites
- Continuing to facilitate the group's in-house community of experts (technical days, corporate social network and working groups), increasing its visibility in order to meet the internal and external needs in matters regarding biodiversity.

Action n°3

Training and raising awareness among all employees on the matter.

Vinci companies have created a number of modules to train employees and raise their awareness about the importance of protecting biodiversity.

■ Vinci is committed to:

- Continuing and developing the biodiversity training and awareness raising campaigns established in the group's companies at all levels of management. Developing training and awareness raising campaigns for our partners on methods and best practice relating to ecological engineering.
- Involving stakeholders in the training and awareness raising campaigns carried out and raising awareness among employees around the particular challenges of working with stakeholders on projects to protect biodiversity.
- Clarifying and distributing signage specifically focusing on challenges relating to biodiversity on worksites and the group's operations.

Action n°4

Developing new solutions in order to integrate biodiversity challenges into the group's business and operations.

Vinci companies are working on actively integrating biodiversity challenges into their operations, which drives them to develop specific techniques, methods and tools to reduce their environmental impact.

Developing the start-up Urbalia (a partnership between Agro Paristech and Vinci) has helped to include biodiversity considerations right from the design phase of development projects in and around city centres.

It has also made it possible to encourage clients to review their building and infrastructure projects in order to integrate elements promoting biodiversity. The group's companies have also enhanced their expertise in ecological engineering, in particular for Eurovia and for Vinci Construction Terrassement under the Equo Vivo brand. The investments made in infrastructure regeneration work is going a long way to develop the industry and expertise.

Since 2010, Vinci Autoroutes has invested over €150 million in this area, making it one of the main ecological engineering programme managers in France for ecological restoration projects.

■ Vinci is committed to:

- Promoting these solutions and developing the resources devoted to research and innovation on the projects. Developing partnerships around ecological engineering solutions, in particular with companies specialised in professional integration and innovative companies
- Strengthening the measures to combat pollution, especially light pollution in the infrastructure and buildings it operates

- Reducing the use of plant protection products in both the construction and operations business of the companies within the group

- Encouraging sub-contractors and suppliers to adopt biodiversity friendly methods (supplying locally grown plants, adapted construction and sanitation methods to certain environments, etc.).

Action n°5

Strengthening partnerships established with stakeholders in this area.

The group companies are working with local stakeholders throughout the design, construction and operation phases of projects in order to avoid and reduce their impact as much as possible.

They are also involved with many think tanks and decision-making bodies on the subject of biodiversity in France, (FRB, U2B club, CILB, special commissions within the FNTP, EGF BTP, etc.), which enables them to enhance knowledge and expertise among companies within the industry.

■ Vinci is committed to:

- Systematically involving experts from outside the group (organisations, consultancy firms, start-ups, teaching and research centres, etc.) in the implementation of measures to promote biodiversity.
- Involving these partners in the biodiversity training rolled out throughout the group to instil a culture of dialogue and consultation.
- Continuing and strengthening the presence of think tanks and local, national and international professional networks in order to communicate best practices among players in the construction industry.

All of these commitments are monitored for the purposes of the annual report and are subject to verification by a third party.



photo credit: Richard Nourry / Vinci

Business networks



EpE, a key player for voluntary commitments.

The **act4nature** concept sprang from EpE's biodiversity committee. At the end of 2016, under the chairmanship of the Director for Sustainable Development of RTE, the French high power network operator, it was decided to work at scaling up corporate action to address this issue. To do this, involving the CEOs of the members appeared as the best forward way... but proved challenging.

act4nature has its origins in this thought process, which has involved the participation of many highly proactive partners. Their role has been instrumental in providing a scientific basis for the shared commitments, voicing public expectations with regard to how business should handle the issue, incorporating the initiative into national and regional biodiversity strategies, and mobilizing other corporate partners from their networks.

Factors both internal and external to EpE have contributed to this unique approach.

The Association Française des Entreprises pour l'Environnement (EpE), established in 1992, is a forum for business leaders, corporate executives, and environmental managers who share the vision of the environment as a source of progress and opportunities to discuss their best practices and jointly develop effective methods to better integrate the environment into their strategies and operations. The work of the commissions also allows to exchange with experts from the scientific community, NGOs, and occasionally public authorities.

EpE is currently led by Jean-Dominique Senard, President of Michelin.

EpE's shared project enables its members to anticipate societal expectations on environmental issues, particularly nature conservation. This state of mind - the concern for concrete achievements, ambition, and sharing of best practices - has guided the steering committee of **act4nature**.

A propitious domestic political agenda, upcoming international reviews and deadlines, strong societal expectations, and the already considerable experience of many members have encouraged companies to factor biodiversity into their business models and operations more quickly.

Corporate players have known ever since the 2015 Business & Climate Summit and COP21 that they can offer solutions and contribute to the ambition of a global agreement, provided that they work together. Our aim is to create a similarly powerful initiative in favor of nature across the globe. The results of this first step wave have been promising.

As a French partner of the World Business Council for Sustainable Development (WBCSD), EpE has launched the internationalisation of **act4nature**.

Time is running out and all resources must be mobilised to act for nature as part of an approach that extends beyond merely the most remarkable species and spaces. **act4nature** is about ordinary biodiversity in which everyone has a role to play.

www.epe-asso.org
[@epe_asso](https://twitter.com/epe_asso)



Afep stands for Association française des entreprises privées (French association of large companies). It was established in 1982 and its members are large multinational companies operating in France. It is based in Paris and Brussels.

The objective of the Association, whose President is Mr. Laurent Burelle, CEO of Plastic Omnium, is to foster a business-friendly environment for the development of sustainable economic activity, and to advocate the member companies' vision to the French authorities, European institutions and international organisations. Afep has 120 member companies. They employ more than 2 million people in France and 8.5 million people throughout the world. Since the year 2000, the Association addresses environmental, climate and energy issues.

Afep helped mobilise business in support of biodiversity in the early 2000s, first of all by encouraging greater awareness for operating sites. With the support of the Minister responsible for the environment and other companies' networks, it set up a publication entitled "Biodiversity, an opportunity for your operating sites". Since then, the Association has continued to help business get to grips with the issue of biodiversity by working with pioneering companies in the broader field of raw materials and products/services.

The Association also played an active role in supporting the emergence of the Foundation for Research on Biodiversity. It also supported with companies the creation of the "Intergovernmental science-policy platform on biodiversity and ecosystem services" (IPBES) which makes it possible to build up knowledge on biodiversity at the global level.

Afep contributed to legislative debate on the directive on environmental responsibility and its transposition into French law. It also worked on biodiversity-related legislation.

Afep supports many initiatives and corporate undertakings (climate, circular economy, sustainable cities) and has mobilised the Chairpersons of the major corporations in support of the **act4nature** biodiversity commitments, building positive synergies with suppliers, customers and partners.

The **act4nature** initiative shows that the biodiversity issue is taken extremely seriously by companies in a view to ongoing dialogue, creativity and efficiency.

www.afep.com

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MEDEF

MEDEF is the first network of entrepreneurs in France covering all company sectors and sizes. It puts at the core of its action the creation of jobs and sustainable growth, promotes entrepreneurship and defends free enterprise.

With its large diversity of local climates and ecosystems both on the mainland and overseas, France is a major international hotspot for biodiversity. This exceptional heritage is endangered. Biodiversity is subject to a very fast and worrying erosion which represents a challenge as important as climate change.

Reacting to this phenomenon and going beyond the sole objective of conservation, France committed itself to a process of restoring biodiversity.

Restoring biodiversity implies behavioral changes, innovation efforts, and sharing good practices. These create tensions but also opportunities for both business and concerned stakeholders.

MEDEF is convinced of the importance of protecting biodiversity and the need to mobilise business to help restoring it that will not be possible without business' involvement. More and more businesses are developing their expertise, innovating and concretely committing themselves to this aim. As essential stakeholders and partners located across the territory who have solutions to offer, business must be systematically involved in public initiatives taken with regards to the preservation and restoration of biodiversity.

MEDEF, for its part, is involved in preserving biodiversity since the Grenelle Environment forum. This commitment was notably concretized by:

- The development of a commitment plan to the National Strategy for Biodiversity for companies which has received support from public authorities;
- The publication of two brochures for companies and professional federations.

MEDEF also supports many initiatives and actively contributes to many dialogue bodies, most of which are now united in the National Committee for biodiversity.

Regarding the restoration of biodiversity, 2 priorities must be followed:

- Getting recognition for and promote business' know-how and good practices;
- Involving business towards setting realistic objectives.

<http://www.medef.com/fr/>



Alliance pour
la Préservation
des Forêts

The Alliance for the Preservation of Forests gathers private companies engaged in the fight against deforestation and the preservation of remarkable ecosystems.

Created in May 2018, the Alliance for the Preservation of Forests is an initiative led by the French Alliance for a Sustainable Palm Oil. Its various studies and activities aimed to develop the sustainable palm oil sector over the last 5 years have led to this conclusion: supply chains approaches, developed in silos

so far, have not yet been effective in halting deforestation. It is urgent to act collectively!

The scientific community and NGOs also share this conviction: only a multi-sector approach can curb deforestation.

The Alliance for the Preservation of Forests aims to mobilize engaged FMCGs and retailers, users of commodities having an impact on deforestation (cocoa, coffee, wood, soya, rubber, palm oil, paper ...), towards a triple objective:

- Achieve more effectively the "Zero Deforestation" target by 2020;
- Share the monitoring tools, projects, resources, etc., among all the stakeholders, and implement multi-sector "territorial projects";
- Contribute actively to the National Strategy to Fight against Imported Deforestation promoted by the French government through the creation of a common platform (NGO - Public - Private) and the creation of a support fund for producing countries for fight against deforestation.

The Alliance for the Preservation of Forests offers to its members:

- 1 - Forum for exchanges and collaborations between engaged members wishing to preserve and restore forests.
- 2 - Support of best Practices Implementation by providing necessary skills and tools to our members, in particular on traceability and stop deforestation commitments assessment.
- 3 - Communication with consumers and independent third parties on the progress of our commitments.

Our approach is in line with COP21 Paris agreements, the United Nations Sustainable Development Goals (SDGs), the New York Declaration on Forests and the Amsterdam declarations.

<http://alliance-preservation-forets.org/>



The "Collège des Directeurs du Développement Durable" (C3D), created 10 years ago, brings together nearly 130 sustainability and CSR directors, coming from various companies or public organisations. The C3D, representing more than 2.5 million people employed in France, is fundamentally involved in economic dynamics and innovation. The C3D, chaired by Fabrice Bonnifet, Sustainable Development and QSE Director for the Bouygues group, is also truly committed to preserving biodiversity.

How does biodiversity benefit humans? The answer is obvious for a fruit juice manufacturer, a pharmaceutical company or a coffee brand. But it is still true for IT services companies, banks or insurance companies. All organisations are directly dependant on biodiversity, if only because they are unable to replace what are called "ecosystem services" - that is, rendered by nature – which until now seem free. Are we able to be at least as effective as the leaf of the tree, bacteria or oyster when building photovoltaic energy, sanitation or ultra-high resistance ceramics? We invest, collectively, dizzying amounts in the artificial intelligence, the quest for exoplanet or the almost eternal youth. What if investing in biodiversity restoration was the best investment?

Let's be modest for a moment. We, collectively, have a lot to learn from nature before we hope to "benefit from it". Nature could give us knowledge, innovation and patents: if the argument of "economic gain" is the only one that could help things change then let's use it. Yes, each saved species increases the value created collectively AND the value that can be generated by the companies - provided they contribute to the restoration of biodiversity. If we want biodiversity to be considered as an "ally" for business, it is up to us to give it a concrete role in economic models and in particular those of the territories - sanitation, fight against heat islands, drinking water management, etc. Many other direct "gains" are to be expected from the restoration of biodiversity, all of which will be positive for companies: working on the design or composition of products via biomimicry means rethinking them in terms of quality, savings and efficiency. Questioning the origin of materials helps to strengthen links with suppliers, increase transparency and work with confidence. Cooperation, networking, resilience through collective approach, learning and employment: integrating the topic of biodiversity into business strategy contributes to innovation through their economic and societal transformation.

This is why the C3D has chosen to contribute to this dynamic by being a partner of [act4nature](#), in order to play its catalytic role through its members and its emulator role within companies. What is most valuable is priceless: we will have no pride in contributing to the depletion of biodiversity, let us be an actor of its restoration.

<http://www.cddd.fr/>



Finance for Tomorrow is the initiative launched in June 2017, within Paris EUROPLACE, to make green and sustainable finance a key driving force in the development of the Paris Financial Centre, and to position it as the international hub on these issues. Chaired by Philippe Zaouati, CEO of Mirova, the initiative now gathers more than 60 members. The development of green & sustainable finance should contribute to redirect capital flows towards a low-carbon and inclusive economy, in accordance with the Paris Agreement and the UN's

Sustainable Development Objectives (SDGs).

Finance for Tomorrow aims to promote the preservation of the environment and natural capital by uniting the actors of the Paris Financial Centre around common objectives, based on the unique French expertise on this area. French financial players have been pioneers in the definition of methodologies to set up natural capital financing. Finance for Tomorrow values this expertise and supports the players ready to commit to biodiversity by engaging them into a dedicated working stream.

Finance for Tomorrow will also highlight biodiversity and showcase the **act4nature** initiative in the Global Roundtable and the Climate Finance Day, during the "3 Days for Sustainable Finance", organised with UNEP FI in Paris on November 26-28, 2018.

<https://financefortomorrow.com/>



Global Compact France is an association that brings together organisations committed to corporate social responsibility under the auspices of the United Nations. It gathers nearly 1,200 companies and more than 100 non-profit organizations in France.

Global Compact France is the local network of the United Nations Global Compact, which promotes ten universally recognised principles for building more stable and inclusive societies. As a voluntary commitment framework, an international standard, an exchange platform and for collective action, the UN Global Compact is the largest global initiative on corporate social responsibility with more than 13,000 participants in more than 70 countries.

After the adoption of the United Nations Sustainable Development Goals (SDGs) in 2015, the Global Compact's mission, along with other civil society actors, is to promote the 2030 Agenda towards companies.

Biodiversity is one of the conditions necessary to achieve the SDGs and several goals of the 2030 Agenda. In these efforts to preserve biodiversity, businesses and all stakeholders have a key role to play. Support **act4nature** send this message to companies, whatever their size.

www.globalcompact-france.org



As a multi-actor association, Orée has for more than 20 years managed and brought together a network of over 180 committed actors (companies, local authorities, professional and environmental associations, academic and institutional organisations, etc.). As a "think and do tank", the association also develops a common thought-process based on good environmental practices and tools for an integrated management of environment on a territorial scale. Orée's work is structured around 3 main priorities, including

Biodiversity and Economy.

Supporting and enrolling in **act4nature** was therefore a spontaneous process for Orée, which is pioneer in assisting businesses in their initiatives to support biodiversity. Indeed, it is necessary to help businesses in their process of integrating the dynamic of living systems in economic activities. Thus, many adherents of the association joined **act4nature**.

The association is very pleased with commitments like **act4nature**, and will endeavour to promote this kind of initiative on national and international levels.

Orée is also the pivot of the French Initiative of the Global Partnership for Business and Biodiversity (GPBB), steered by the Secretariat of the Convention for the Biological Diversity (CBD). In this context, the association manages the French platform and is a part of GPBB executive committee.

<http://www.oree.org>

<http://www.entreprises-biodiversite.fr/>



Orse, the French 'Observatory for corporate social responsibility' founded in 2000, is a multi-stakeholder non-profit organisation which supports companies on their CSR strategy. Its network consists of companies, unions and professional bodies. With them, Orse anticipates the broader trends ahead and brings together all the various functions of an organisation around CSR, providing tools, keys to understanding and best practice analysis for actors in the field of CSR.

The energy and ecology transition demands that company governance evolves and is an incentive for creating new modes of financing linked to CSR criteria. It also requires one to abandon thinking in silos in order to reflect on the challenges and solutions which can meet the transition in a cross-functional way. The climate change challenge should in particular be approached in terms of its connection with water, agriculture and also biodiversity. Orse and its members are very active on these topics.

Within this community of committed actors, Orse's activity is characterised by actions aimed at gathering close to thirty people from the financial sector, from banks, insurers and their professional bodies, to consider how best to take into account ESG criteria, of which biodiversity is a part, in policy-making for investment and financing. The sector has in particular sought Orse's support to publish the document "Better financing and insurance for the energy transition" (<https://www.orse.org/nos-travaux> - in French) which lists evidence, concrete solutions for companies, local authorities and for individuals.

Orse is a partner in France of Climate Finance Day, Finance for Tomorrow and Paris Europlace, facilitating the dialogue between issuers and investors, promoting a broader vision of CSR. It is within this context that Orse supports **#act4nature**: the cost of inaction will be higher than the cost of supporting biodiversity.

Nonetheless, the awareness raising around a realisation that is to this day still not shared by all needs to continue.

www.orse.org

@ObsRSE

Public organisation

**AGENCE FRANÇAISE
POUR LA BIODIVERSITÉ**
ÉTABLISSEMENT PUBLIC DE L'ÉTAT

The French Biodiversity Agency (AFB) was founded on 1 January 2017 by the Law for the Recovery of Biodiversity, Nature and Landscapes (Law N°2016-1087, 8 August 2016). As a public institution within the Ecology Ministry, the Agency supports the implementation of public policies in all fields concerning the knowledge, conservation, management and restoration of biodiversity.

Under the umbrella of the ministry of environment, the AFB supports public biodiversity stakeholders and works closely with private stakeholders. The AFB is mandated to mobilise civil society for it to increase its commitments for biodiversity in view of the coming national and international events up to 2020 such as the World Conservation Congress or the 15th CBD COP.

In order to limit Biodiversity losses, the commitments of everybody and at all levels is essential. That is why AFB supports the **act4nature** initiative carried by private companies and participated in the building of common commitments for Biodiversity. This action is a first step towards the new commitments mechanism for private companies for biodiversity within the National Strategy for Biodiversity Framework and the Biodiversity Action Agenda.

www.afbiodiversite.fr

4 organisations merged to form the agency:

- the Marine Protected Areas Agency
- the ATEN
- the National Agency for Water and Aquatic Environments (ONEMA)
- the French National Parks

1 300 agents spread

throughout continental France and the overseas territories, including over 600 environmental inspectors

10 national parks
affiliated with the Agency

225 million euro
annual budget

75 agents
within the UMS Patrinat

ACT4NATURE PARTNERS

Scientists partners



Just as IPBES reports are highlighting the dramatic situation for biodiversity, the Foundation for Research on Biodiversity (FRB) hereby acknowledges and supports the commitment of more than 60 French corporate directors to the fight against the deterioration of our biodiversity and for a more sustainable use of our natural resources and biodiversity valorisation.

The economic world impacts biodiversity and our biological resources. It also depends on them. Climate regulation, water purification, pollination, pest control, food provision, wood, contributions to human health and citizen well-being... so many resources are taken from the ecosystems by humans. The need to respond to the double challenge of the deterioration of our biodiversity and climate change will deeply influence economic models as well as industrial practices. To this end, companies have a greater need for scientific knowledge than ever before.

The FRB was founded in 2008 at the initiative of the French Ministries of Research and Ecology by eight research institutions. They were later joined by LVMH, Ineris and University of Montpellier.

The original nature of the FRB lies on its role as a liaison between the scientific community, civil society and the business world, in particular. Its goal: to overcome the scientific challenges of biodiversity together.

<http://www.fondationbiodiversite.fr/fr/>



MUSÉUM
NATIONAL D'HISTOIRE NATURELLE

Founded in the wake of the French Revolution, the Muséum National d'Histoire Naturelle is rooted in a long tradition of scientific excellence. Year after year, it has gained a reputation as a major hub of research and dissemination of knowledge. At the crossroads of learning, the Muséum is unique in consisting of museums, botanical gardens, zoos, research facilities and a university. Underlying it all is a common aim: to explore life's diversity and grasp the ties between humankind and the natural environment that surrounds us. Ultimately, it is to better understand nature in order to better protect it.

Heir to the Enlightenment, which sought to provide access to knowledge for all, the Muséum's missions have expanded over time. As the custodian of naturalist collections dating back centuries, it bears witness to the past and provides an unparalleled view of the global changes currently underway. Over the course of four centuries, it has become the privileged observer of environmental trends as well as the adaptive strategies put in place by nature to cope with them.

It is therefore entirely in keeping with its missions that the Muséum adheres to the **act4nature** corporate initiative launched by EpE (Entreprises pour l'Environnement). The Muséum, pleased to provide input on issues central to society and offer independent expertise on matters of biodiversity conservation, is proud to participate in the initiative and pursue its charge, at the interface between science and society, of raising awareness.

<http://www.mnhn.fr>

ACT4NATURE PARTNERS

Environmental NGOs

GOODPLANET FOUNDATION

An extension of Yann Arthus-Bertrand's artistic work and commitment to the environment, GoodPlanet, a recognised public interest foundation, aims to make ecology a central issue in order to encourage people to take concrete action for the Earth and its inhabitants.

Created in 2005, the GoodPlanet Foundation develops artistic (7 billion Others, HUMAN, etc.) and educational projects to raise awareness among the general public worldwide.

Through its United Carbon Action Programme, the GoodPlanet Foundation has supported 18 solidarity and environmental projects in 12 countries, enabling the construction of some 6,000 biogas reservoirs, the installation of 10,000 solar cookers, and the construction of 7 bioclimatic schools. All together, these projects have benefited over 150,000 people.

In 2015, GoodPlanet launched the programme "The solution is on the plate!", which promotes 60 solutions and 100 concrete initiatives for responsible food consumption, taking into account pleasure, public health and climate protection. In July 2015, Paris City Council entrusted the Domaine de Longchamp to the Foundation for a 30-year period. The first site dedicated to ecology and solidarity in Paris, inaugurated in May 2017 and free and open to all, the Fondation GoodPlanet promotes generosity, learning and sharing.

The GoodPlanet Foundation has been awarded the IDEAS Label for its financial transparency, good governance and efficient programmes.

<https://www.goodplanet.org/fr/>



France Nature Environnement (FNE) is a community based federation of French environmental associations in France & Overseas. FNE relies on more than 50 years of experience as one of the leaders in consultation, decision-making and stakeholders' engagement on environmental issues.

It is best known for its global-multi-thematic expertise and a sound territorial background.

Defending the environment since 1968, France Nature Environnement has earned the trust of +3500 NPOs gathered under 71 federations that bear its flagship, works alongside +30 major public/private partners and sits in more than 450 French & European decision committees.

<https://www.fne.asso.fr/>



FONDATION
POUR LA NATURE
ET L'HOMME
Créée par Nicolas Hulot

Created in 1990 by Nicolas Hulot, a famous French environmentalist, the FNH (Foundation for Nature and Humanity) is an apolitical and non-confessional non-profit organisation.

It is now chaired by Audrey Pulvar, a French journalist and former TV and radio anchor.

The FNH acts independently to accelerate changes in individual and collective behaviours, bringing out and enhancing solutions for the ecological transition of our societies. For the FNH, protecting the environmental and climate transition should no longer be a theme among others but be the heart of public and private action. In order to carry out its mission, the FNH:

- Conducts research and advocacy work with its Scientific Council and its network of high-level multidisciplinary experts.
- Accompanies the actors of change by supporting and enhancing, in France and internationally, promising initiatives for the future to multiply and develop them on a larger scale.
- Creates citizen-mobilisation campaigns so that everyone can be the driving force of the ecological transition.

We believe the commitment of companies in favour of biodiversity is an essential link to be supported and fostered. In preparation for the UICN World Congress to be held in Marseille in 2010 we believe it is imperative to foster, support and allow to magnify any improvement process. Each initiative contributes its share of solution; only together we can contain this challenge for civilization.

<http://www.fondation-nature-homme.org/>

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Humanité et Biodiversité (H&B), a national association under the Law of 1901, created in 1976, is recognised to be of public utility, and is approved under Nature protection by the Ministry for Environment. It has been chaired since March 2015 by Bernard Chevassus-au-Louis, who succeeds Hubert Reeves and Théodore Monod. It is headed by Sandrine Bélier. Since 40 years, our main objective is that greater account be taken by all, of the indivisible synergies and links between human beings and

biodiversity.

Our association's credo is to place biodiversity at the heart of our societies. Preserving and respecting the diversity of Life in a humanistic approach, integrating biodiversity uptake in all sectors of activity, fostering the development of biodiversity throughout the whole territory, but also mobilising the society as a whole, these are the four key objectives of Humanité et Biodiversité.

Our action

- Awareness raising: sharing knowledge via publications, conferences, advocacy and training actions for the general public.
- Influencing decision-makers: we propose to the Government, to private and public decision-makers, on a daily basis, concrete, efficient and fair solutions for both public and private policies. We mobilise our expertise and know-how for the preservation of non-human species and natural areas, but also for the consideration of biodiversity in the policies linked to food, health energy, climate change, transport, etc.
- Taking concrete action: we carry out field work in favour of biodiversity by guiding a network of "Oasis Nature" (more than 800), through partnerships with Authorities, schools, businesses, and thanks to a mobilising, community-driven, website.

H&B, which is associated to the undertakings of **act4nature**, will support the companies' ambitious and measurable commitments, in order to contribute to the preservation and recovery of biodiversity, in France and worldwide. We are ready to accompany and support the firms which commit to the National Strategy for Biodiversity, those firms which commitment will include follow-up indicators and a genuine evaluation of the impact on biodiversity of the actions they commit to implement.

<http://www.humanite-biodiversite.fr/>



LPO is the official representative of BirdLife International in France, a global alliance of more than 120 NGOs worldwide

Faced with the 6th mass extinction that we face, the time is no longer to heal, to repair a bruised nature, to win a few small wins, but to reverse the trend. This challenge cannot be met without collective, constructive and pragmatic consultation.

France is among the 7 countries with the largest number of threatened species in the world, which gives it a strong responsibility for biodiversity. 32% of vertebrate species are now declining in population, 40% of mammal species have seen their range fall by 80% between 1900 and 2015, more than a third of rural birds have disappeared in 15 years. We must act quickly.

By joining **act4nature**, LPO contributes to the objectives set by the international community on biodiversity through wide-ranging dynamic involving companies from all sectors, their collaborators and more generally the general public.

Chaired by Allain Bougrain Dubourg, LPO is one of the leading conservation associations in France. With more than 46,000 members and a network of local associations active in 79 departments, it acts daily to safeguard biodiversity from its vocation of protecting birds.

Its activity revolves around three major missions that are:

- The protection of species through the implementation of national plans for the restoration of some of the most endangered birds in France, the coordination of European programmes for the protection of species and the reintroduction of endangered birds.
- The preservation of spaces: LPO is one of the main national conservatories of natural areas, particularly in wetlands, of which it is one of the major historical managers. In addition, with more than 25000 registered users (40,000 ha), the LPO Refuges are the leading network of ecological gardens in France.
- Education and awareness: LPO offers more than 5,000 animations and educational programmes per year.

<https://www.lpo.fr/>



Noé is a French Non-profit NGO established in 2001 that aims at conserving biodiversity around the world through field-based conservation programmes. To carry out our objectives and work on the root causes of the disappearance of species, over-exploitation and consumption of natural resources, Noé implements conservation programmes for the protection of endangered species, the conservation of natural landscapes, as well as training programmes and raising awareness, so as to promote more respectful

behaviours from each one of us towards our environment.

Through its conservation programmes, Noé is active in France and around the world with the aim to reconnect man and nature.

Thus, alongside major NGOs who work for the preservation of emblematic species, Noé works to protect the ordinary biodiversity of which we so heavily depend on, in our everyday lives, by the many services it provides us.

Through the initiative **act4nature**, EpE proposes to complete its action of raising awareness amongst companies by involving them through concrete commitments in favour of biodiversity. Noé totally encourages this action.

Drawing from our experience in supporting companies from different fields of activity, it has seemed natural to us to contribute to this unifying initiative, in particular by communicating as widely as possible via our networks.

In addition, the EpE initiative perfectly complements Noé's upcoming national campaign "Let's recreate the France of Nature!", based on the mobilisation of all stakeholders at all scales of the territory for the implementation of programmes aiming to restore ordinary biodiversity.

The two initiatives of EpE and Noé share the common objective of stimulating a sustainable dynamic of mobilisation and action in favour of biodiversity, in order to initiate deep changes in our habits and consumption patterns.

<http://noe.org/>



Created in 1992, the IUCN French Committee is the network of organisations and experts of the International Union for Conservation of Nature in France. This democratic membership union is a unique partnership, bringing together 2 ministries, 8 public organisations, 42 non-governmental organisations, and more than 250 voluntary scientists and experts, who meet in specialised commissions and working groups. Due to its mixed composition, the IUCN French Committee provides a unique platform for dialogue and expertise on biodiversity issues, which also involves local authorities and private companies.

The IUCN French Committee is involved for 10 years in several partnerships with private companies (Edf, Engie, Veolia, Ciments Calcia-GSM, Eqiom, L'Occitane), working together to draw up and implement specific policies on biodiversity. Assessment of impacts and dependencies, strategy and action plans, commitments for the French National Strategy for Biodiversity, training and awareness actions, implementation of operational guidelines, are all actions implemented with its partner companies.

Moreover in 2009, the IUCN French Committee created a "Business & Biodiversity" working group, bringing together its partner companies, its members and experts. It aims to share experiences and knowledge on topics of common interest to advance companies (biodiversity reporting, biodiversity offsets, employee mobilisation ...).

It is quite naturally that the IUCN French Committee has contributed to the elaboration of the act4nature initiative to engage more companies, collectively and individually, on biodiversity issues.

<http://www.uicn.fr>



In just over 40 years, half of a human life, 60% of all the vertebrates (mammals, birds, fish, reptiles, amphibians) throughout the world have disappeared. We are experiencing the sixth mass extinction: the last one saw the dinosaurs disappear.

Artificialisation of the soils, deforestation to cultivate soy or palm oil, mining operations, overfishing, plastic pollution, climate change or the use of pesticides: human activity is the main cause of this extinction. Business as usual is not possible anymore to deal with this situation. If we want to reverse the trend, all the actors having an impact on nature must act, because our prosperity relies on the good condition of nature. According to WWF, companies must therefore commit now. It is both an ecological and an economic necessity.

Their business models are on the line since tomorrow's economic actors will have to comply with the Earth's boundaries. Today, WWF France partners with **act4nature** to encourage companies to recognise at the highest level the fundamental role of nature in the economy, and to publicly commit to action. **Act4nature** is an important milestone in the set-up of a positive dynamic among the private sector. Joining this initiative is not an end in itself. It is the first step towards the implementation of concrete actions that will enable business models to align with a new trajectory: bending the curve of biodiversity loss. WWF France will follow the implementation and the progressive ramp-up of the ambition of those commitments

<https://www.wwf.fr/>

COMPLEMENTARY LIST OF COMPANIES WILLING TO COMMIT

The companies listed below subscribe to the common commitments **act4nature** and will write their individual commitments before the end of 2019.

Constellium
Crédit Agricole
Eqiom
Groupe Casino
L'Occitane
Maisons du Monde
Natixis
Vallourec

All the companies are now invited to engage in **act4nature**:
engagement@act4nature.com

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ACT4NATURE PARTNERS

■ Business networks



■ Public organisation

AGENCE FRANÇAISE
POUR LA BIODIVERSITÉ
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■ Scientists partners



■ Environmental NGOs

GOODPLANET
FOUNDATION





act4nature
Business for Biodiversity

<http://www.act4nature.com/?lang=en>
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