



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.