

Arkema's individual commitments to act4nature international

Company presentation

Arkema, a leader in specialty materials, aims to pursue sustainable and responsible growth of its activities and to respond to the planet's societal and environmental challenges. The Group aims in particular to provide its customers with high-performance, innovative and sustainable solutions, driven by the challenges of major global trends such as urbanization and the improvement of living standards, the preservation of natural resources and decarbonation, societal change and consumer habits, the transition to electric mobility as well as technological disruptions and AI.

Committed for a long time to reducing its environmental footprint, Arkema is taking action to reduce greenhouse gas emissions linked to its activities, increase its energy efficiency via its Arkema Energy program, reduce its water consumption via its Optim'O program, further valorize its industrial waste and optimize its resources consumption.

Convinced of the importance and urgency of taking biodiversity into account, Arkema committed to act4nature international in May 2021 and is renewing its commitments across its global scope in 2024. These commitments were defined on the basis of the results of the biodiversity materiality analysis, which allowed the Group to identify its major material challenges, all along the value chain.

Materiality analysis

In 2023, Arkema carried out a materiality analysis on biodiversity with BL Evolution. Based on the identification of the impacts and dependencies specific to the Group's activities (using the [ENCORE](#) tool), and with regard to the 5 factors of biodiversity and ecosystem service erosion defined by the IPBES, the importance of the Group's biodiversity issues was assessed, taking into account the maturity of its processes.

Thus, it appears that the major impacts for the Group are concentrated on its upstream value chain and concern water consumption, pollution and changes in land use relating to the production of the raw materials it purchases.

Water consumption, pollution and greenhouse gas emissions are major issues for the Group's industrial operations. These critical issues are well considered by the Group and integrated into its environmental policy. Thus, in 2023, Arkema published ambitious new targets for 2030 relating to the fight against climate change, its water consumption, and the reduction of its discharges into water. It should be noted that these new climate targets, aligned with a 1.5°C trajectory, have been approved by the independent global organization SBTi and pave the way for Net-Zero by 2050.

Link with previous commitments

In light of the materiality analysis and in continuity with its previous commitments, Arkema wishes to:

- improve its understanding of the impact of its raw materials in order to define targeted actions on its most impacting purchases;
- strengthen its commitment and targets for the environment, climate and water use at its production sites;
- complete its mapping in relation to Key Biodiversity Areas ([Key Biodiversity Areas](#)) and develop methods to identify one or more indicators for assessing impacts on biodiversity in order to define actions to restore biodiversity, create biodiversity or reduce negative impacts on biodiversity;
- acculturate its employees and stakeholders to biodiversity issues.

Individual commitments

Individual commitments					
Common commitments*	Commitments	Scope	Indicators	Targets	Deadlines
1. Limit contribution of our direct operations to climate change and pollution drivers of biodiversity loss					
1 2 5 10	1.1 Reinforce our climate change targets and reduce our water and air emissions.	Global	Reduce our GHG, COD and VOC emissions.	Compared to the reference year 2019: - GHG Scopes 1 + 2: 48.5% reduction (2019 reference value: 3.7 Mt CO ₂ e) - GHG Scope 3 (categories 1 to 12, and 15): 54% reduction (2019 reference value: 152 Mt CO ₂ e) Compared to the reference year 2012 ⁽¹⁾ : - COD (Chemical Oxygen Demand): 65% reduction - VOC (Volatile Organic Compounds): 65% reduction All these indicators are reported annually in Arkema's Universal Registration Document (https://www.arkema.com/global/en/investor-relations/financials/universal-registration-document/).	End of 2030
1 2 5	1.2 Reinforce our actions to reduce our impact on water resources.	Global	Reduce our water withdrawals.	Compared to the reference year 2019: 25% reduction of water withdrawals (2019 reference value: 109 million of cubic meters). This indicator is reported annually in Arkema's Universal Registration Document (https://www.arkema.com/global/en/investor-relations/financials/universal-registration-document/).	End of 2030
2. Understand and reduce our contribution to drivers of biodiversity loss in our upstream value chain					
1 2 3 4 6 9	2.1 Reduce major impacts of our raw materials, with a particular attention to bio-sourced raw materials, drawing on the good practices of the Pragati ⁽²⁾ program established since 2016 for responsible castor oil.	Global	Analyze our raw materials in regards of biodiversity impacts and dependencies.	Mapping biodiversity impacts and dependencies of our raw materials.	End of 2026
3. Reduce our contribution to pressure factors in our downstream value chain					
3 4	3.1 Develop sustainable solutions in line with the UN Sustainable Development Goals.	Global	Increase in ImpACT+ sales ⁽³⁾ .	65% ImpACT+ sales (2018 reference value: 40%). This indicator is reported annually in Arkema's Universal Registration Document (https://www.arkema.com/global/en/investor-relations/financials/universal-registration-document/).	End of 2030
3 4	3.2 Assess the biodiversity footprint of our products (PBF) with the aim of reducing our impact on the downstream value chain.	Test products	Critical examination of methods such as ReCiPe in Life Cycle Assessment.	Application of the method to a sample of products. If the methodological approach is validated, application of the method to a wider range of products.	End of 2026 End of 2028
4. Understand and act on the direct impacts of our sites					
3 4	4.1 Map our sites in relation to key and protected biodiversity areas.	100% of sites	Complete mapping 5km from our production sites.	100% of our production sites mapped.	End of 2025
3 4 7	4.2 Assess the biodiversity footprint of pilot sites, involving local stakeholders where possible.	Test sites	Development of a methodology to assess the biodiversity footprint of our sites.	3 tests sites assessed.	End of 2025
1 4 5	4.3 Strengthen the consideration of biodiversity in our industrial investment processes in 100% of development projects from the earliest design phases.	New sites	Integration of biodiversity risk in the analysis phases of setting up new sites.	Setting up new facilities on existing industrial land, excluding sensitive natural areas and land hosting threatened or endangered species (Key Biodiversity Areas , IUCN Red List of Threatened Species).	End of 2025
5. Deployment of a biodiversity culture					
8 9	5.1 Raising awareness of biodiversity issues among our employees and suppliers.	Global	Deployment of a biodiversity culture through webinars, e-learning, and workshops as part of the internal «Go for the Planet» program, and through the identification of best practices.	Training of Group employees, and 100% of site managers, within one year of taking up their position.	End of 2026

*Principle of «comply or explain»

1 Intensive indicators, EFPI (Environmental Footprint Performance Indicator), calculation of emissions intensity compared to production volumes. The reference values for the 2012 scope are 4150t for VOC and 3430 tO₂ for DCO.
2 The Pragati initiative was founded in 2016 by Arkema, BASF, Jayant Agro-Sustainables Ltd and the NGO Solidaridad. This program, deployed in the Indian state of Gujarat, aims to establish a framework for sustainable castor seed production across all social, environmental and economic dimensions (www.castorsuccess.org).
3 The assessment of Arkema's portfolio of solutions, based on the methodology developed by the WBCSD (Portfolio Sustainability Assessment), enables us to identify sustainable solutions (ImpACT+).
To find out more:
<https://www.arkema.com/global/en/social-responsibility/innovation-and-sustainable-solutions/portfolio-sustainability-assessment/>
or
<https://www.wbcd.org/Programs/Circular-Economy/Resources/Portfolio-Sustainability-Assessment-v2.0>