

Sustainability highlights 2021



versalis

SUSTAINABILITY FOR VERSALIS

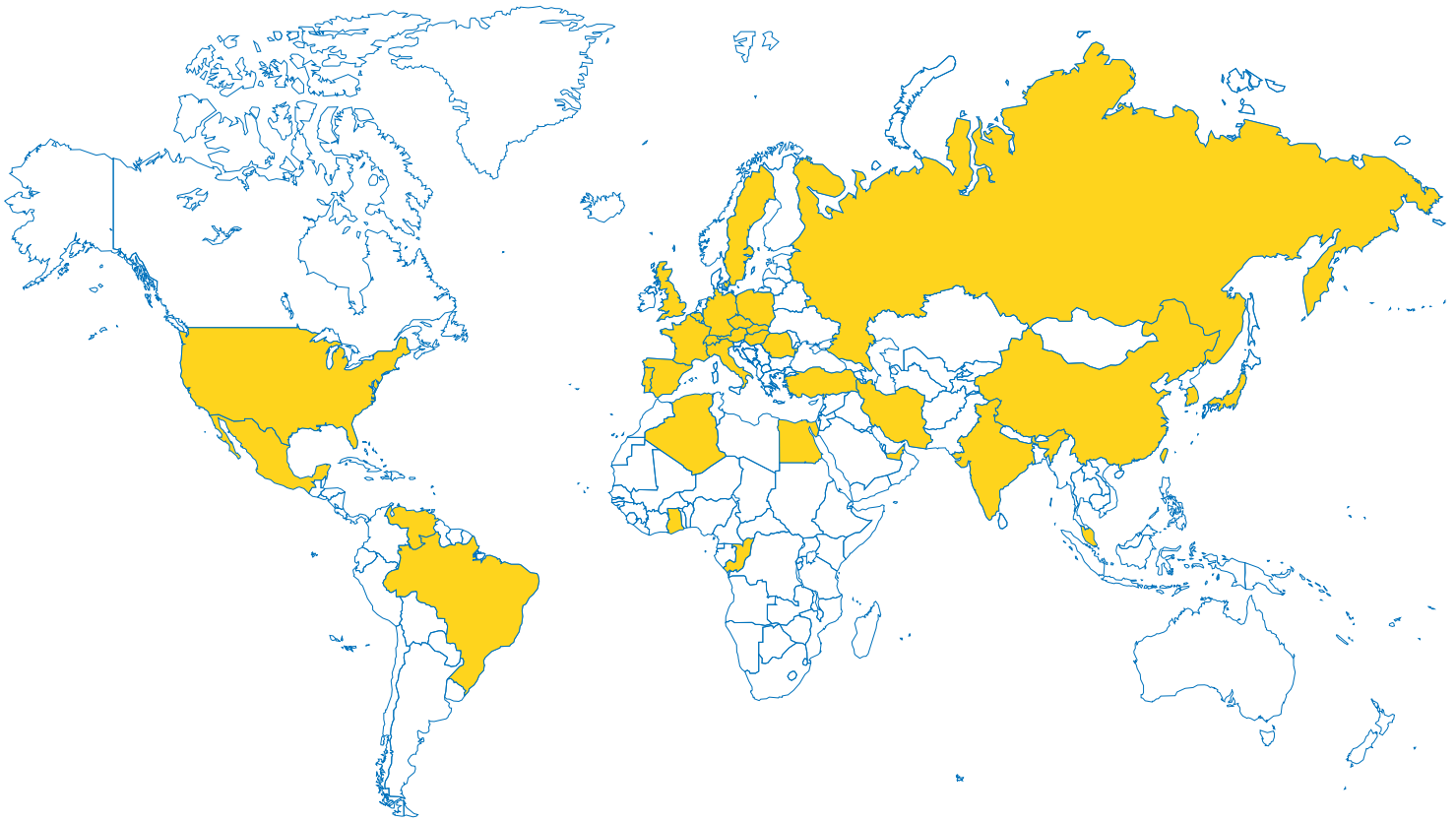
Committed to strengthen an increasingly sustainable development of its production processes, Versalis is focusing on the responsible management of production cycles, on improving Health Safety and Environment performances, together with the development of innovative and sustainable solutions for its products. One of the strategic driver to accelerate this process is represented by the shift to a comprehensive circular economy approach applied to processes and products throughout their whole life cycle. Through this business model, Versalis sets the development of products, in which high quality technical performance and minimization of environmental impacts are fully integrated, as a major goal.

This document offers a brief overview of Versalis' sustainability performance in order to support the development towards sustainable innovation and to promote the dialogue with the stakeholders. A set of the most relevant KPIs and data have been selected in order to provide a real and reliable representation of Versalis' sustainability profile, including the environmental impact of activities, the provision of a safe working environment, the commitment to continuous improvement and voluntary programs.

For additional information about Versalis' approach to sustainability, see **Versalis for 2021**, our first sustainability report prepared with the aim to describe our approach and commitments to the development, in line with Eni's strategy and values, of sustainable and circular models.



To each topic one or more SDGs, the United Nations Sustainable Development Goals, are linked, showing Versalis' contribution to the 2030 Agenda for Sustainable Development.



5,129
EMPLOYEES



791
PRODUCTS



14
PRODUCTION PLANTS
(of which 2 are a joint venture)



6
RESEARCH CENTRES
(of which 1 is a joint venture)



Approximately **8,5** Mta
PRODUCTION VOLUME



265
PATENTS

Versalis is the main chemical Italian company operating globally in the basic and intermediate chemicals sectors, plastics, rubbers and chemistry from renewable sources. In details, it operates in production and trading of intermediates, polyethylene, styrenics, elastomers and renewable sources chemistry and, starting from October 2021, also in the Moulding and Compounding sector after finalizing the acquisition of Finproject, a group active in the specialised applications of polymers.

The Company interacts with markets by offering global strategies and a product portfolio oriented towards satisfying a constantly evolving market, focusing on R&D and Licensing activities and further expanding its technological and business influence globally. To achieve these goals, Versalis relies on its expertise in the industrial

area, its wide range of proprietary technologies, a wide-reaching distribution network and post-sales service activity. As part of a wider Eni strategy, circularity is a decisive factor for Versalis: an approach that considers the entire life cycle of products from an integrated and synergistic perspective, and it includes polymers recycling, circular packaging and feedstock diversification.

Versalis commitment is represented also by the voluntary participation to initiatives and programs, including the Alliance to End Plastic Waste, an ambitious project carried on by major chemical companies and operators along the entire value chain. These initiatives, have the aim of speeding up the transition towards a global circular economy contributing to tackle the dispersion of plastic waste in the environment and the marine littering.

1. SAFETY



Total Recordable Injury Rate (TRIR*)

*Total Recordable Injuries/Worked Hour (Employees + Contractors)



Severity index

(days of absence/ hours worked) x 1,000



Total HSEQ training hours



2. EMISSIONS TO AIR



Direct GHG emissions - Scope 1
million tonnes of CO₂ eq.



Indirect GHG emissions - Scope 2
million tonnes of CO₂ eq.



NO_x emissions
thousands of tonnes



SO_x emissions
thousands of tonnes



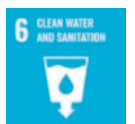
3. WATER



Fresh water withdrawal



Fresh water reuse



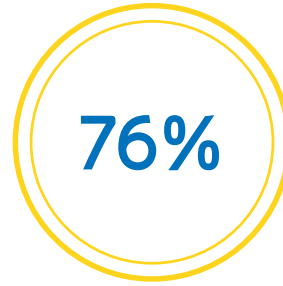
The data contained in this document refer only to Versalis consolidated production activities. The data of the company Finproject, acquired in the second half of 2021, are excluded from the reporting scope.

4.

WASTE



Rate of total waste from production activities, that goes to landfill



Recovery/Recycling rate of total waste from production activities



5.

QUALITY AND EHS CERTIFICATIONS



Operations certified
ISO 14001
ISO 9001



Operations certified
ISO 50001
ISO 45001



6.

PRODUCT STEWARDSHIP

For most polymeric products a wide range of compliance statements and certifications are available.



REACH Product Compliance



Environmental Life Cycle Assessment (E-LCA)

*Total sale



7.

SUPPLIER RELIABILITY



Ecovadis CSR rating

In our company continuous improvement in sustainable practices is measured by a transparent, reliable, global and easy to use CSR rating based on international standards like that provided by EcoVadis.

Versalis in 2022* was awarded the PLATINUM rating, the highest category available for the EcoVadis assessment, positioning itself among the top 1% within the industry.

*Assessment year 2021



8.

SOCIAL RESPONSIBILITY



Social accountability systems of Versalis spa comply with the requirements of SA8000.



9.

CIRCULAR ECONOMY

POLYMERS RECYCLING

Versalis is committed in developing mechanical, physical and chemical recycling technologies for plastics and rubber through in-house research and in partnership with associations and consortia.

CIRCULAR PACKAGING

Versalis is committed in developing circular design schemes for its industrial packaging.

FEEDSTOCK DIVERSIFICATION

Versalis always searches for new opportunities for diversification of feedstock for products and/or packaging, by investigating:

- renewable sources;
- secondary raw materials.



10. CIRCULAR INITIATIVES

VERSALIS REVIVE®

The first range of different polymer-based products containing different percentages of recycled content from **mechanical recycling**:

- polystyrene and polyethylene up to 75%;
- elastomers up to 100%.

BAG TO BAG LINER TO LINER

Two **circular design** schemes to recover and mechanically recycle the industrial packaging used for the shipment of Versalis products. Polyethylene bags and liners are fully recyclable and contain up to 50% of regenerated materials.

RIVENDING

By recycling cups collected in our buildings in San Donato Milanese, a high quality selected secondary raw material is used in Mantua plant to produce Versalis Revive® EPS.

BALANCE®

The new Balance® family includes intermediates and polymers with characteristics and performances identical to the traditional ones. Balance® are obtained from **renewable sources** or **secondary raw materials** by using the mass balance approach. The guarantee of sustainability requirements and product traceability is possible thanks to **ISCC PLUS** certification.



11. VOLUNTARY PROGRAMS AND ASSOCIATIONS

OPERATION CLEAN SWEEP®

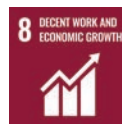
Versalis has signed the Operation Clean Sweep® pledge and is strongly committed to prevent pre-production plastic pellets losses by promoting proper containment measures at its own facilities.

ALLIANCE TO END PLASTIC WASTE

Versalis is one of the more than 70 companies operating at a global level that are committed to implement concrete solutions to the problem of plastic waste and in particular to marine litter, involving the entire supply chain.

STYRENICS CIRCULAR SOLUTIONS AND POLYOLEFIN CIRCULAR ECONOMY PLATFORM

Versalis participates in different platforms for the development of circular solutions for polyolefins and styrenics (founding members of SCS).



RESPONSIBLE CARE®

Responsible Care® is a voluntary commitment launched by the global chemical industry to drive continuous improvement and achieve excellence in environmental, health and safety and security performance, by sharing best practices in safe chemicals management.

CIRCULAR PLASTIC ALLIANCE (CPA)

Versalis has joined Circular Plastics Alliance (CPA) in order to actively contribute to the ambitious European target of using 10 million tonnes of recycled plastic in new products by 2025. By joining CPA Versalis has submitted its 6 voluntary pledges in line with its circular economy strategy.

Versalis spa
Piazza Boldrini, 1
20097 San Donato Milanese (MI) - Italy
Tel. +39 02 520.1

versalis.eni.com
product.stewardship@versalis.eni.com