

Orano 2022 ESG performance

June 2023

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orano

Contribute to key global issues

Through its action, Orano wishes to contribute to the three major societal challenges of the fight against global warming, the preservation of natural resources, and health. This contribution is part of a context of increasing global electricity needs, exacerbated by the objective of carbon neutrality by 2050 set by the European Union.

A prioritized contribution of the United Nations Sustainable Development Goals



Climate and carbon neutrality



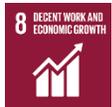
Preservation of resources & circular economy



Reliable energy at affordable cost



For safety, security, health and contribution to medical research



Skills development in the regions



Industrialization and environmentally-friendly innovation



CLIMATE

Thanks to all of its businesses in the nuclear fuel cycle, and while working to reduce its own emissions, Orano contributes to access, for all, to competitive electricity that is among the lowest greenhouse gas emitters in the world. Its very low CO₂ content makes it necessary for the low-carbon transition in a world fighting against global warming.



RESOURCES

Using industrially proven technologies, Orano processes and recycles used nuclear fuel owned by electricity companies in order to reduce the volume of waste and save materials. Thanks to its expertise, our group also intends to develop other strategic recycling methods, such as for batteries. Through its actions, Orano contributes to the preservation of resources and the environment.



HEALTH

Orano is exploring new fields of activity to serve society, particularly in nuclear medicine, through the use of nuclear material in the form of isotopes in anti-cancer treatments or in medical research.

• Our corporate purpose

In 2020, the group has defined a renewed its strategic vision. This is supported by a corporate purpose, approved by the Board of Directors, which sets out the challenges to which Orano intends to contribute.

As a recognized international operator in the field of nuclear materials, Orano delivers solutions to address present and future global energy and health challenges. Its expertise and mastery of cutting-edge technologies enable Orano to offer its customers high value-added products and services throughout the entire fuel cycle.

**To develop know-how
in the transformation and control of
nuclear materials, for the climate,
for a healthy, and resource-efficient
world now and tomorrow.**



From our strategic vision to operational policies

Our corporate purpose

To develop know-how in the transformation and control of nuclear materials, for the climate, for a healthy, and resource-efficient world now and tomorrow

Our values

6 Values that unify, embodied at all levels within the group

In accordance with society's ambitions and impositions, Orano makes ethics and compliance central to its values and its actions.



SAFETY, SECURITY



ETHICS, TRANSPARENCY AND DIALOGUE



CUSTOMER SATISFACTION



CONTINUOUS IMPROVEMENT



RESPECT AND PEOPLE DEVELOPMENT



COHESION AND TEAM SPIRIT

Our strategic axes



Community

Be engaged and responsible locally in our environment



Competencies

Mobilize proud and committed employees, who embody our purpose



Climate

Contribute to carbon neutrality



Cash

Operate efficiently while reducing our footprint



Customer growth

Innovate to preserve resources and protect health

Our policies & programs



Code of ethics and business conduct

Human rights program



Prevention of corruption and influence peddling compliance program

Whistleblowing program



Sustainable Development Declaration For suppliers

Sustainable purchasing program



Health, Safety and Radiation Protection Policy



HR programs

Equal treatment & diversity

Social dialogue

Inclusion

Quality of life at work



Nuclear Safety - Environment Policy

Climate & Energy program

Biodiversity program

Water program

Waste program



Quality policy Protection policy

Data protection program

Our roadmap for 2030

Through its strategic priorities, the group intends to structure its contribution and its actions with a societal and environmental ambition that meets the challenges and expectations, without forgetting the fundamentals of performance and development.

5 commitments to guide our contribution

Strategic axes and commitments	Objectives for 2030 (vs.. 2019)	Markers in 2025	Progress in 2022
OUR VALUES Aim for the highest standards	Aim for the highest standards in terms of nuclear safety, environment, health and occupational safety	0 INES level 2 event Accident frequency rate (Orano employees) less than 1	
	Make information and dialogue more accessible to our stakeholders and more explicit regarding sensitive perceptions	80% of our stakeholders satisfied with the "transparency" and "dialogue" topics	In 2024
COMMUNITIES Be engaged and responsible locally in our environment	Strengthen local roots, particularly in the area of skills development and employment	80% of local residents have a positive view of Orano's activity in their area	In 2023
	Build a second life for sites	100% of site planning includes management of long-term liabilities	
	Eco-design all our major projects	50% eco-designed major projects	In 2023
CLIMATE Contribute to carbon neutrality	Reduce the "equivalent" carbon footprint of our business in line with the Paris Agreement	-40% tCO2e scopes 1 and 2 vs.. 2015 (SNBC* reference year)	
	Innovate to reduce the footprint of our customers and increase the acceptability of nuclear and nuclear materials	Laboratory validation of a solution for decommissioning hulls	
COMPETENCIES Mobilize proud and committed employees who embody our purpose	Offer professional and personal development within an attractive work environment	75% engagement rate for employees	
	Be a benchmark, inclusive employer, promoting diversity	35% women in the Management Committees	
		1,000 group managers involved in mentoring/tutoring	
	Develop our innovation ecosystem	Revenue from innovative business models, products and services	
CUSTOMER GROWTH Innovate to preserve resources and protect health	Broaden our recycling offer	group revenue close to 4.5 billion euros	
	Develop anti-cancer treatments using nuclear medicine		
	Become a player in the medical, industrial and research isotopes markets		
CASH Operate efficiently by reducing our footprint	Improve the efficiency of the extended enterprise by 25%	10% improvement in the use of raw materials (water, energy, etc.) vs.. 2019	
	Reduce our production of non-recycled waste by 25%	65% conventional waste recovery rate	
		3 radioactive waste recovery channels opened	

An international leader

€ **4.2** Bn

of revenue

Breakdown of 2022 revenue by activity:

- 32% mining
- 26% front end
- 42% back end

€ **26.1** Bn

of backlog (over 6 years of turnover)

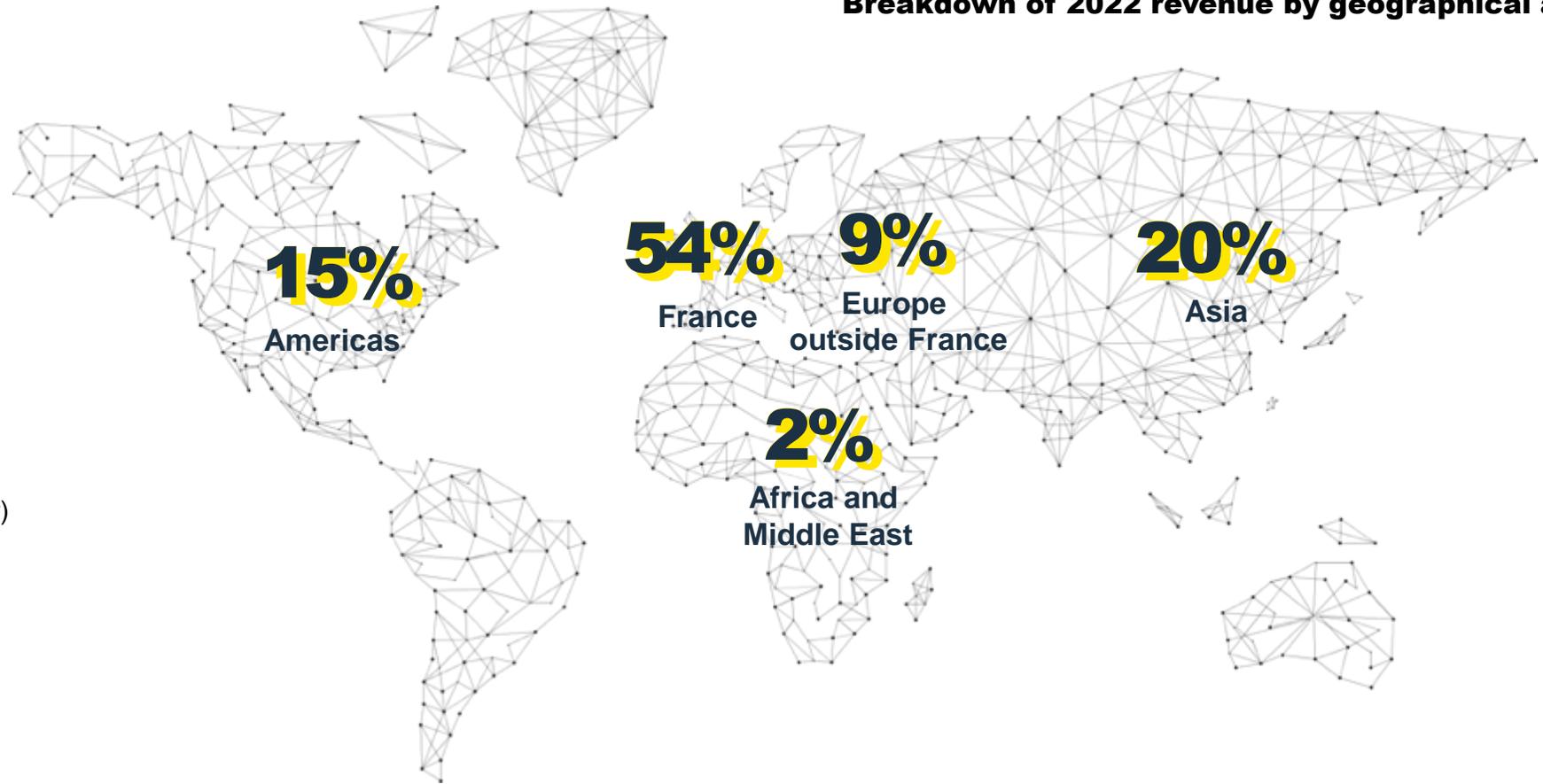
In the top 3

worldwide in its key activities

17,000

employees

Breakdown of 2022 revenue by geographical area



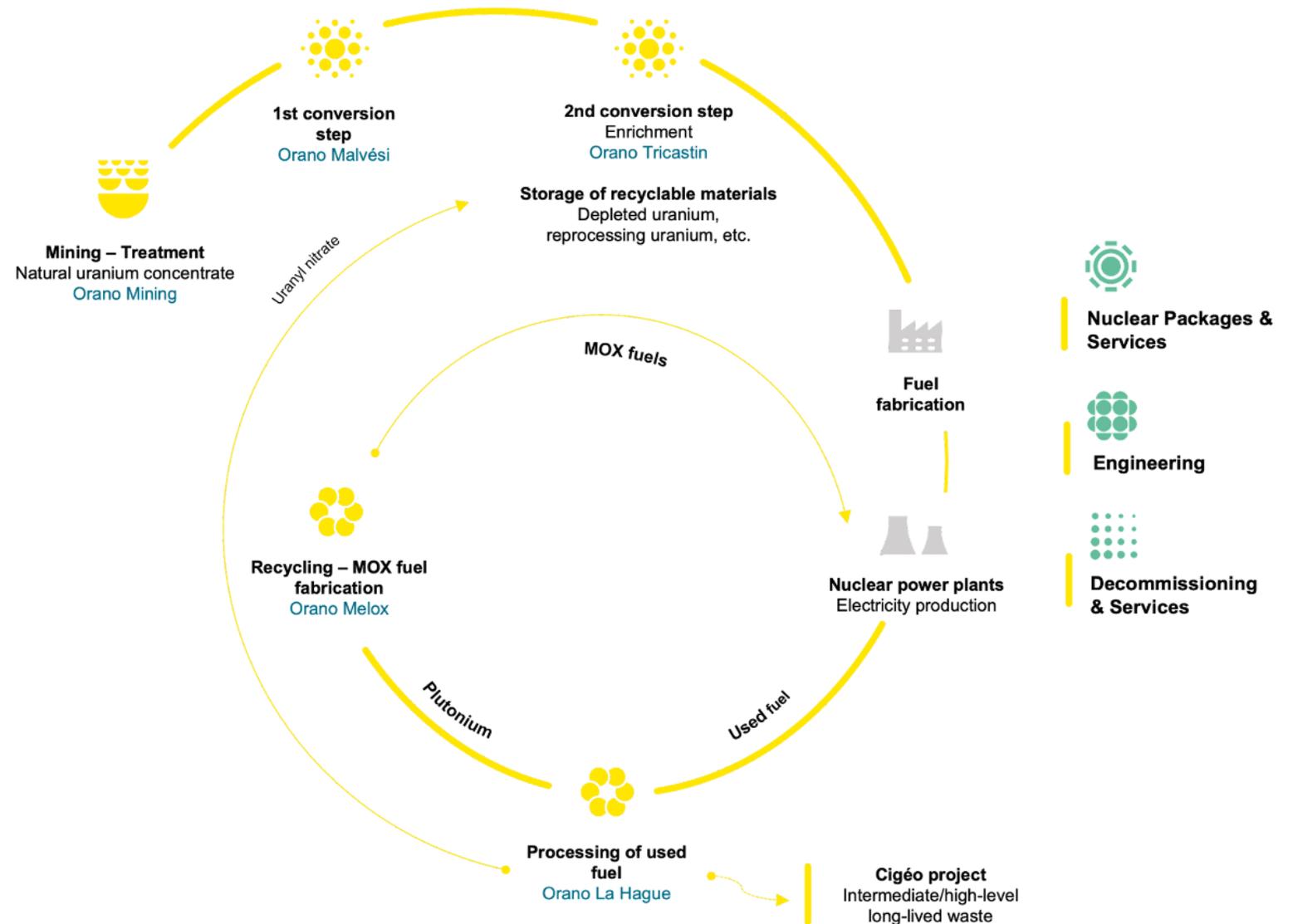
A stakeholder committed to promoting the world nuclear industry



World expert in the nuclear fuel cycle

The group offers its customers high-performing products and services, in mining, conversion, enrichment, recycling, logistics, engineering and decommissioning. Orano is also a major force in nuclear medicine and targeted alpha therapy using ^{212}Pb , through its subsidiary Orano Med.

Every day, the Orano group's 17,000 employees draw on their skills, unwavering dedication to safety and constant quest for innovation, with the commitment to develop know-how in the transformation and control of nuclear materials, for the climate and for a healthy and resource-efficient world, now and tomorrow.



• Innovating to preserve resources and protect health

Orano is developing innovative and original solutions that bring value and progress for society's future. Its strategy is to accelerate its innovation cycles, and explore new activities to serve its customers in tomorrow's markets, for a more sustainable future.

+120 M€

in global R&D outlay

1,800

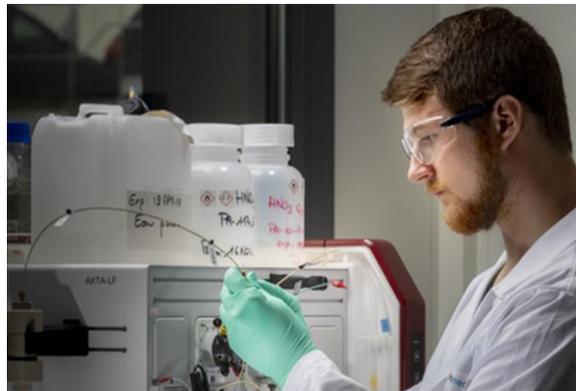
startups in our ecosystems

+40

innovative solutions deployed

10

key technologies for I4.0 @Orano



By exploring new applications for its technologies outside the nuclear field, Orano is developing new products and services in the medical sector.

Maurice Tubiana Laboratory (LMT) at Bessines-sur-Gartempe will allow Orano Med to contribute to the development of alternative cancer treatments, using targeted alpha therapy.

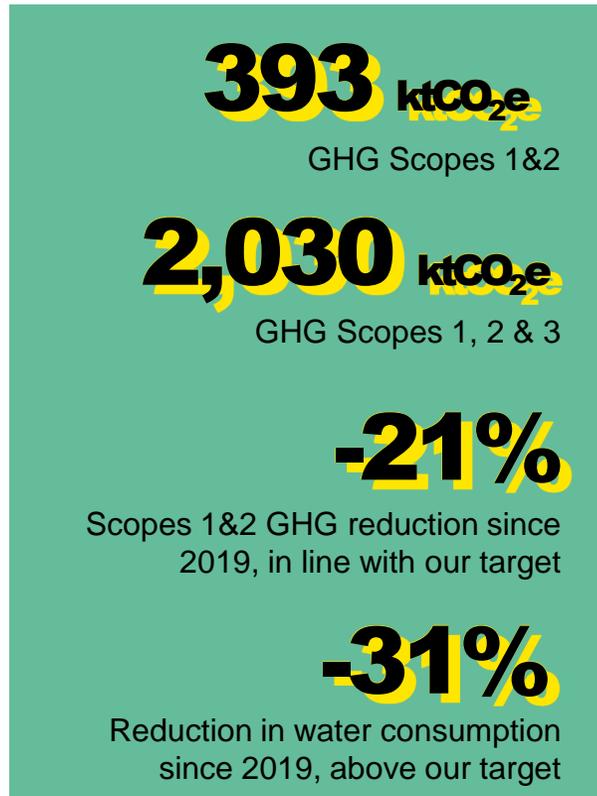


As part of its RESolutiON project, Orano is applying its know-how to the development of an innovative, low-carbon process that recycles batteries from electric vehicles.

RESolutiON recovers and purifies the valuable materials in battery modules (cobalt, nickel, lithium, graphite etc.), so they can be reused in new components.

• Our Environmental performance

The safety of our facilities, of our employees and external companies is an absolute priority, just like environmental protection. Reduction of environmental footprint is at the heart of our actions.



The Nuclear Safety-Environment Policy sets eight priorities for action on facility safety, operational safety, management and environment performance.

In order to reduce its environmental footprint, Orano is running operational programs on:

- energy and climate
- supplier engagement on Scope 3
- biodiversity
- water
- waste & circular economy
- ecodesign of new projects



In line with its climate commitment and aware that the protection of biodiversity is essential for the compatibility of its activities with the environment, Orano has defined and deployed in 2022 a group Biodiversity strategy along 3 axis:

- preserve existing biodiversity
- live with the biodiversity present on our sites and nearby
- promote local biodiversity, and report on our actions on the subject

On the way to achieve our ambition on GHG Scopes 1 & 2

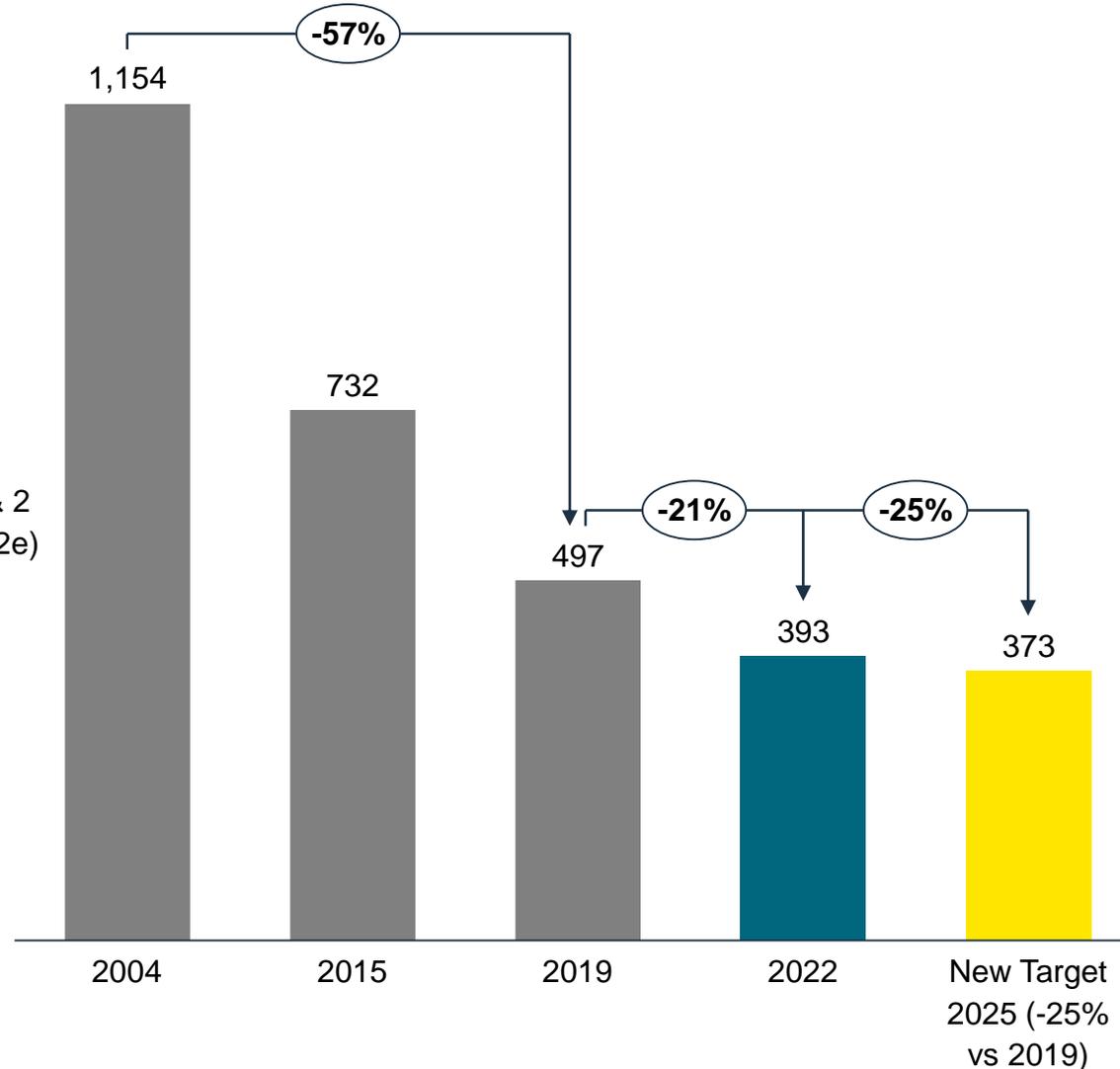
Orano has set itself a short-term objective of reducing its direct and indirect GHG emissions (scopes 1 and 2) by an additional -25% by 2025 compared to 2019, aligned with a 1,5°C trajectory.

In order to achieve this results, the group is managing actions on :

- **energy efficiency**
- **phasing out fossil fuels**
- **decarbonizing electricity at mining sites**
- **reduction of process emissions**

On operating sites and future projects through ecodesign

GHG scopes 1 & 2
(ktCO₂e)



-25%

Target of GHG emissions scopes 1 & 2 in 2025 vs. 2019

93 tCO₂e/M€ of GHG scopes 1 & 2 intensity per revenue

48% scope 1, **52%** scope 2

Breakdown by activity

Mining **73%**

Font End **10%**

Back End **17%**

Corporate **0%**

• Taking on the challenge to reduce GHG Scope 3

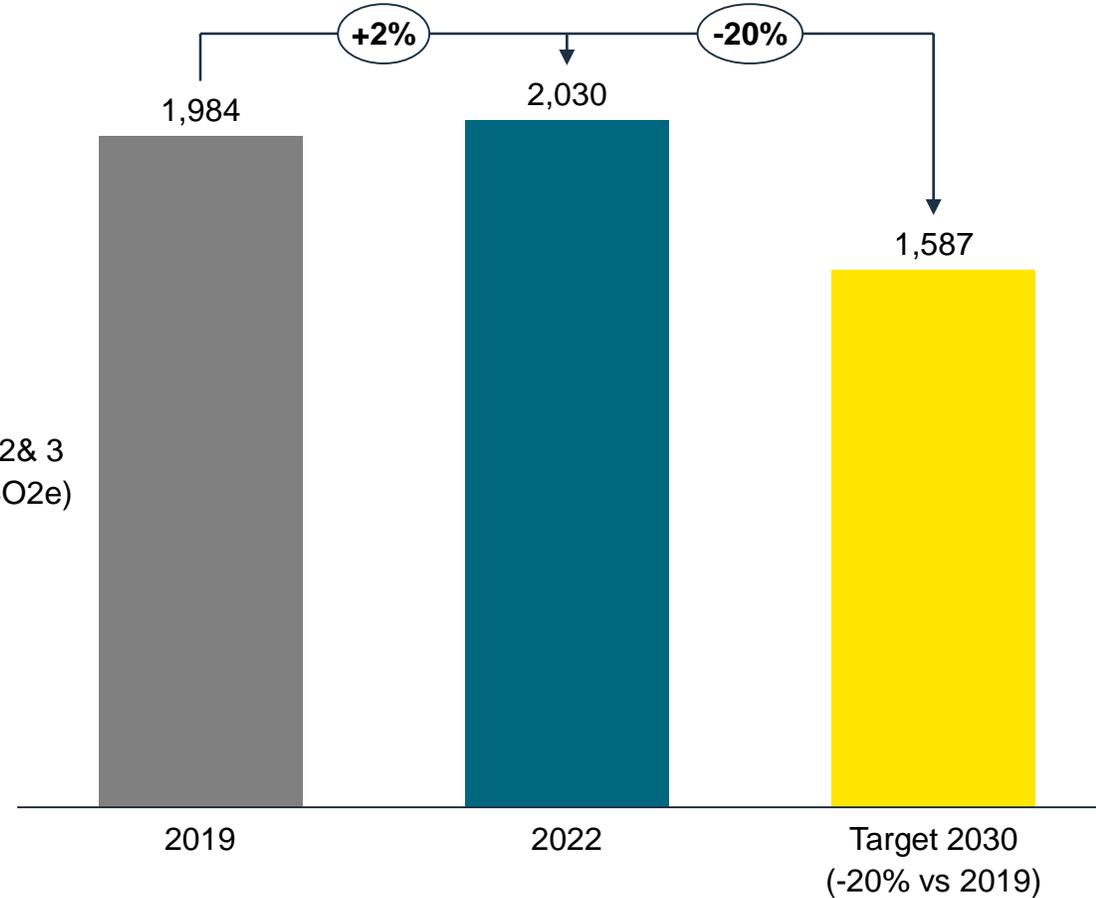
Scope 3 represents **80%** of Orano total GHG footprint, mainly on :

- purchased goods and services
- capital goods
- fuel & energy related

A Scope 3 task force is currently working on strengthening actions on :

- training of purchasing and projects teams
- improving measurements based on physical data
- engaging our suppliers
- leveraging ecodesign

GHG Scopes 1, 2 & 3 (ktCO₂e)



-20%

Target of GHG emissions scopes 1, 2 & 3 in 2030 vs. 2019

386 tCO₂e/M€ of GHG scope 3 intensity per revenue

• Our Social performance

We care about the women and men of Orano. The group's goal is to protect and develop the skills needed today and tomorrow in an attractive, inclusive and innovative environment.



The Health, Safety and Radiation Protection Policy demonstrates the commitment of Management and the Executive Committee to prioritize protection of the mental and physical health of Orano's employees, by providing them with safe and healthy working conditions which prevent work-related injury and ill health.



For the last two years, the group has entered a new transformation phase, with the goal of working on Orano's appeal, the development of skills and career paths, the commitment of each individual and new ways of working.

As a responsible and committed group, Orano's ambition is to establish a sustainable policy of inclusion, gender equality, and cultural and professional diversity in all its businesses and at all levels of responsibility.



• Our Societal performance

Orano aims to be a committed and responsible actor in the regions and communities in which it operates, as much for the preservation of their environment as for their development.

88%

of purchases by Orano's French entities are made in France

98%

of Orano's international employees are recruited locally

12.7 M€

invested in community projects by Orano Mining in 2022

60%

of residents living near Orano's French sites think that the nuclear industry is good for the region (BVA study, 2019)



Orano is engaging its suppliers in its efforts toward sustainable development through commitments in contracts and general terms and conditions of purchase.

The group has been strengthening the use of societal and environmental criteria into its purchasing processes, especially on decarbonization and local development.

Charte 
RELATIONS FOURNISSEURS
ET ACHATS RESPONSABLES
SIGNATAIRE



Orano is present in 17 countries with long-term industrial sites and the desire to be a reliable and committed local player.

In particular, the group is actively involved in the communities near its sites, taking part in events, organizing visits and public meetings, and attending meetings of the Local Information Commissions.

The employees contribute to life in their region through charity work and by helping associations and local bodies.



• Our Governance performance

Orano wishes to be an exemplary group in terms of ethics, compliance and governance. As a responsible Company, Orano acts according with the most demanding and strictest standards in the conduct of its activities.



Orano deploys a comprehensive compliance system designed to ensure that the company controls the risks of:

- **non-compliance with laws and regulations;**
- **non-compliance with industry standards; and**
- **non-compliance with the Orano Code of Ethics, compliance policies and procedures.**

It includes an Ethics incident reporting program and a prevention of corruption and influence peddling program.



Orano's governance is supported by a Board of Directors, an Executive Committee and four specialised committees that issue opinions and recommendations.

Orano's Board of Directors guides and oversees the Company's action and performance, and deliberates in particular on strategic and financial decisions.

• A strong compliance program on the Prevention of corruption and influence peddling

Orano implements and deploys a robust and regularly updated anti-corruption compliance program within the group. The program promotes a culture of business ethics and transparency through a robust prevention policy based on strict rules of conduct as well as training and awareness-raising actions. Transparency, sincerity and openness to dialogue accompany this program throughout its implementation, including its supervision by the Board of Directors, the Chief Executive Officer and the Executive Committee.

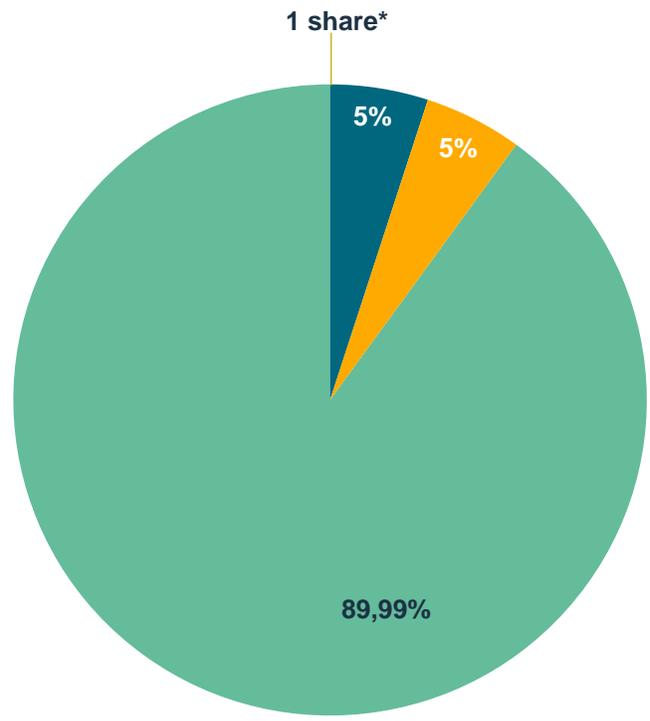
The Orano group's whistleblowing platform is open to all its employees, as well as to its business partners and recruitment candidates, in all countries where the group operates, with the exception of the United States, which has a specific local system. Details of how the alert system works are available on the whistleblowing platform itself: <https://oranoethic.signalement.net/entreprises>



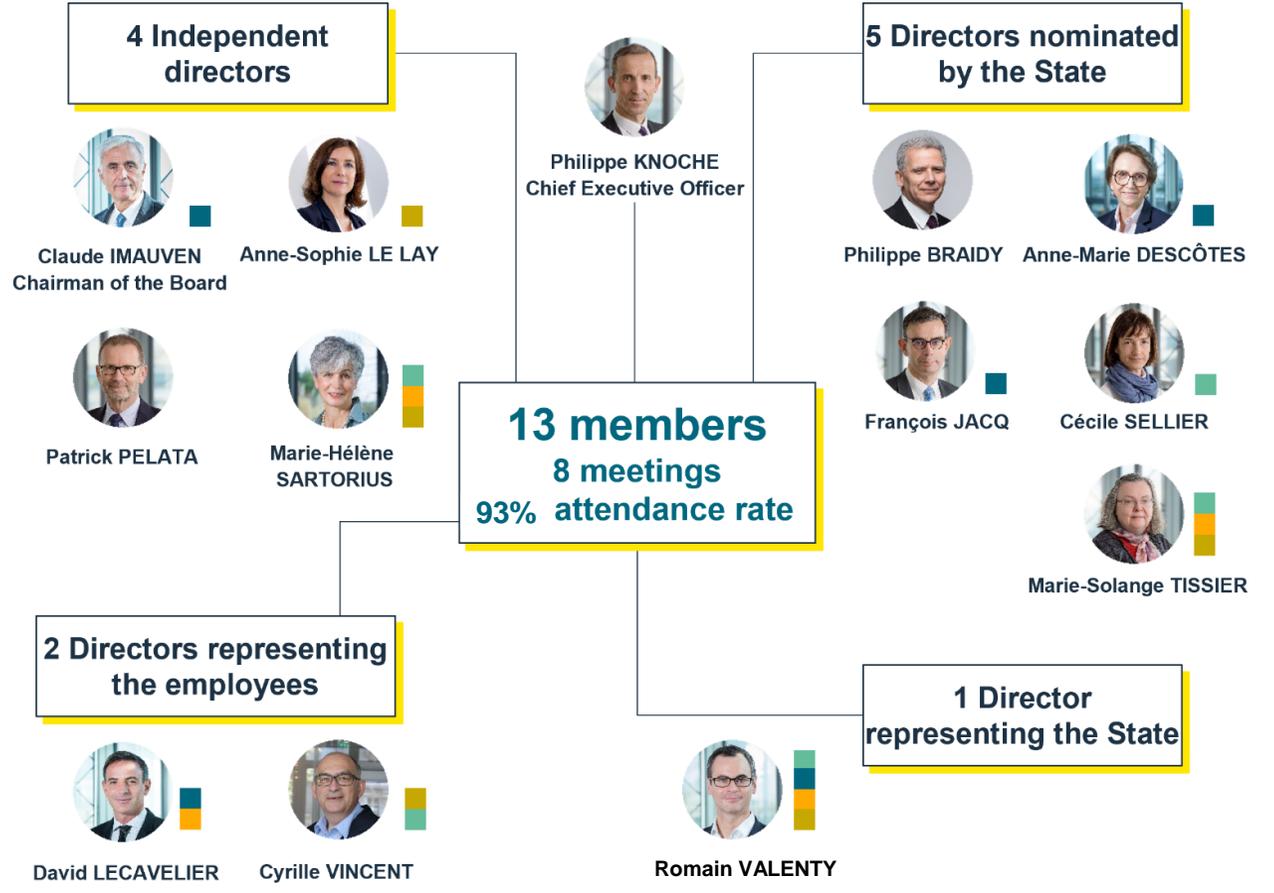
Source: Orano

05 • Orano's board mobilized on ESG governance

at February 15, 2023



■ French State ■ CEA* ■ MHI ■ JNFL



Board Committees



Each committee manages ESG issues in its competency. They are reviewed as often as needed, usually quarterly at each meeting.

EU taxonomy reporting

Orano conducted a comprehensive review of the activities of all its consolidated entities and calculated the indicators for the year 2022, in accordance with EU regulation.

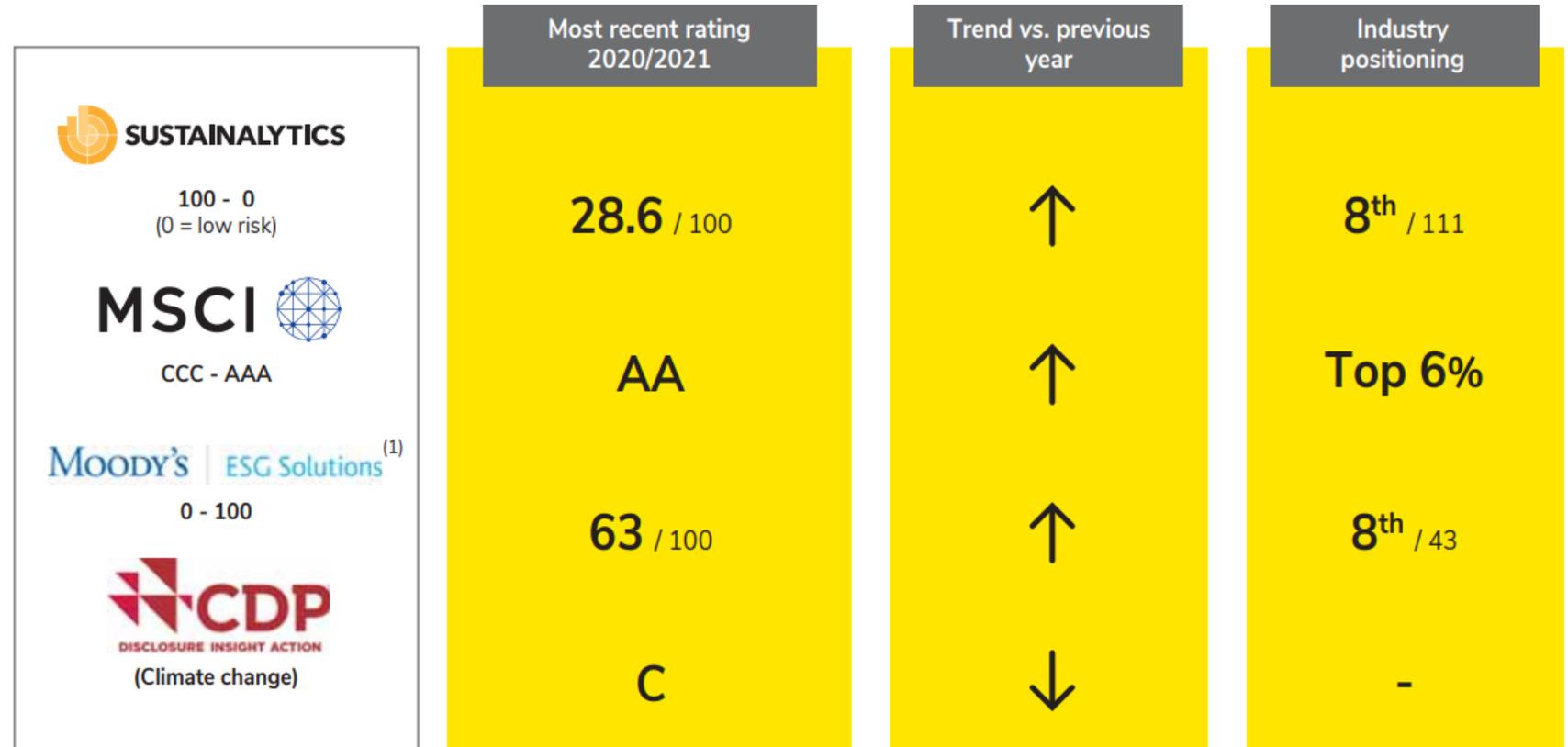
Most of Orano activities are not mentioned in the applicable Taxonomy framework, though they participate in the value chain of nuclear electricity production, which is a source of reliable, controllable and decarbonized energy necessary for the energy transition. These activities are therefore essential for the operation of the nuclear sector, itself eligible under the taxonomy.

The group voluntary position is that **98.6%** of its 2022 revenue is in line with the climate mitigation objective of EU Taxonomy.

	Revenue	CAPEX	OPEX
Environmentally sustainable activities (aligned under the taxonomy)	0% <ul style="list-style-type: none"> Water production by desalination in Namibia (5.1) 	3.04% <ul style="list-style-type: none"> Acquisition and ownership of buildings (7.7) Installation, maintenance and repair of energy efficiency Equipment (7.3) 	Exemption <ul style="list-style-type: none"> Orano has considered the use of the exemption regime for the publication of this indicator.
Activities eligible under the taxonomy but not environmentally sustainable (not aligned under the taxonomy)	0.63% <ul style="list-style-type: none"> Water production by desalination in Namibia (5.1) 	1.89% <ul style="list-style-type: none"> Acquisition and ownership of buildings (7.7) Transport by motorbikes, passenger cars and light commercial vehicles (6.5) 	Exemption <ul style="list-style-type: none"> Orano has considered the use of the exemption regime for the publication of this indicator.
Activities not eligible under the taxonomy	99.37% <ul style="list-style-type: none"> Extraction, conversion, enrichment, recycling and transportation of uranium materials 	95.07% <ul style="list-style-type: none"> Extraction, conversion, enrichment, recycling and transportation of uranium materials 	Exemption <ul style="list-style-type: none"> Orano has considered the use of the exemption regime for the publication of this indicator.

ESG ratings

Orano is among the top of its category in terms of non-financial ratings.



(1) This ESG Assessment was originally conducted by V.E, which is now part of Moody's ESG Solutions.

Source: Orano

Find out more in our publications

<https://www.orano.group/en/group/reference-publications>



2022 Annual Activity Report

Situation and activities
Risks and policies
Social, environmental and societal commitments
Report on corporate governance
Information on share capital
Financial statements



Orano 2022 – 2023 Brochure



2022 Orano Mining CSR report

CSR approach
Alignment to ICMM principles
Orano Mining commitments and KPIs



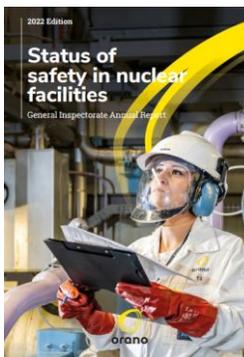
Code of Ethics & Policies

Code of ethics and business conduct
Sustainable development declaration for suppliers
2021 - 2023 Nuclear Safety - Environment Policy
2021 - 2023 Health - Safety - Radiation Protection Policy
Professional gender equality agreement
Report on Payments to Foreign Governments
Certifications ISO 9001 - ISO 14001 - OHSAS 18001



Information reports on French nuclear facilities (French only)

Orano la Hague 2022
Orano Melox 2022
Orano Tricastin 2022
Orano Malvési 2022



2022 General Inspectorate Annual Report

Status of safety in Orano nuclear facilities

As a recognized international operator in the field of nuclear materials, Orano delivers solutions to address present and future global energy and health challenges.

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Orano, giving nuclear energy its full value.

www.orano.group

To follow our news, engage or pursue a discussion with us, you can find us here:



Energy is our future, don't waste it!

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Orano

Business corporation with a Board of Directors - Capital of 132,076,389 euros

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