

ENVIRONMENTAL PROTECTION

How has the Company's environmental approach evolved over the past 20 years?

Improving environment across the Company's footprint is one of our priorities. To reduce its environmental impact, Nor nickel takes various measures, including upgrade of existing operations, construction of new environmental protection facilities, introduction of modern technical and process solutions, and shutdown of obsolete production assets. The Company is actively implementing its flagship project, the Sulphur Programme, aimed at fundamentally changing the environmental situation in Norilsk and Kola Divisions by reducing sulphur dioxide emissions. The management of impacts on environmental components is reflected in the Environment and Climate Change Strategy, which was due to be updated in 2023.



Nornickel's contribution to the Environment national project

Relevant UN SDGs



The Environment national project is aimed at significantly improving the environmental conditions and delivering a positive impact on the health of people in Russia¹.

Relevant federal projects:

Clean Country (results of Clean Norilsk)	Clean Air
Clean Water	Conservation of Unique Water Bodies
Biodiversity Conservation and Ecotourism Development (results of the Big Scientific Expedition)	Implementing the Best Available Technologies

Key focus areas

	Key projects	Key results
Waste	<ul style="list-style-type: none"> Clean Norilsk Implementation of initiatives and projects contributing to increased waste recycling and treatment <p>➔ For more details, please see the Sustainable Waste Management subsection.</p>	<p>As part of the Clean Norilsk programme, 347 dilapidated buildings were dismantled, over 80 kt of scrap metal and 1 mt of waste were collected and removed, and an area of 4.1 million m² was cleaned as at the end of 2023</p> <p>Direct recycling at the Company's own facility rose by 4% y-o-y to 18.5 mt</p> <p>In 2023, in-house waste disposal remained flat y-o-y at 29.9 mt.</p>
Water	<ul style="list-style-type: none"> Improving the closed water circuit Preventing pollution from entering rivers Cleaning polluted water bodies and their shores <p>➔ For more details, please see the Water section.</p>	<p>In 2023, 83% of all water used by the Company was recycled and reused</p> <p>Total wastewater discharge decreased by 12.5% y-o-y to 147 mcm</p> <p>13.3 kt of wastewater and 1 kt of waste were collected by trash interceptor vessels</p>
Air	<ul style="list-style-type: none"> Sulphur Programme Air quality monitoring and forecasting system <p>➔ For more details, please see the Air section.</p>	<p>Air pollutant emissions reduced to 1.7 mt (down 6.1% y-o-y)</p> <p>In October 2023, the Company launched comprehensive testing of the first line of sulphur dioxide recovery from off-gases generated by flash smelters at Nadezhda Metallurgical Plant</p>

¹ <https://ecologyofrussia.ru/proekt/>

Key focus areas

Biodiversity

Key projects	Key results
<ul style="list-style-type: none"> Big Scientific Expedition Cooperation agreements with the Russian Ministry of Natural Resources and Environment, natural reserves within our footprint <p>➔ For more details, please see the Biodiversity section.</p>	<p>Phase two of the Big Scientific Expedition ended in 2023</p> <p>Two new species discovered by the Big Scientific Expedition</p> <p>Two innovative scientific solutions introduced into assessment of ecosystem health</p> <p>IIEH¹ – a new method for integral assessment of ecosystem health</p>

Technology

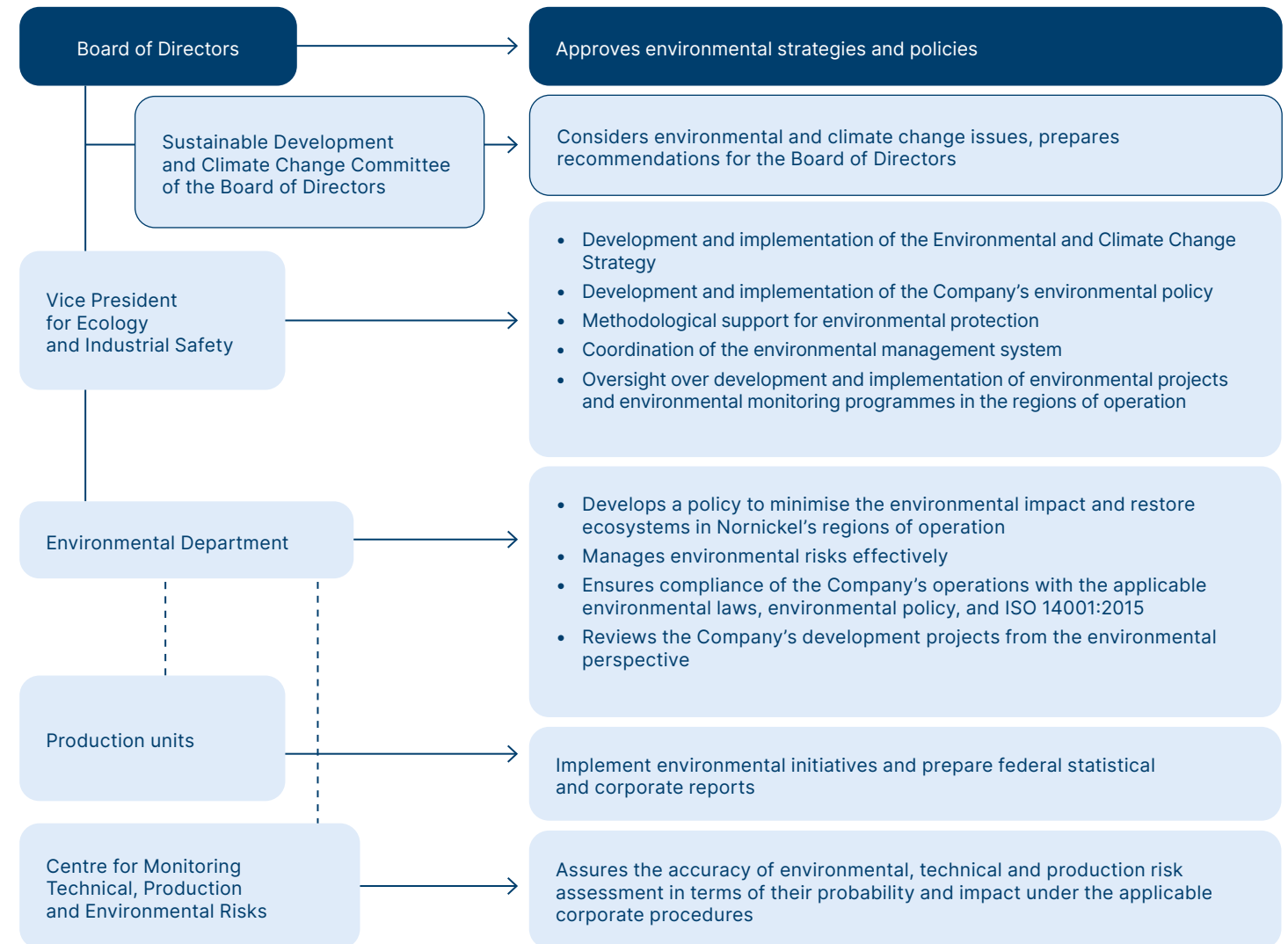
<ul style="list-style-type: none"> Most of Nornickel's projects with a positive environmental effect rely on technological advances 	<p>➔ For more details on innovative environmental projects, please see the Innovation section.</p>
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ENVIRONMENTAL MANAGEMENT

The Company reaffirms its commitment to mitigate and where possible prevent a negative impact on land resources exerted by our production and supply operations.

Nornickel's senior executives and business units are responsible for meeting the Company's environmental obligations, goals, and KPIs. The Company's business units take steps to achieve the goals, comply with statutory requirements, and honour voluntary commitments in line with their competencies.

GRI 2-12, 2-13, 2-14



¹ Integral Indicator of Ecosystem Health.