



LEARNING AND STUDENTS

Study Programs

INRTU delivers a large number of [undergraduate and postgraduate programs](#) aimed at solving the problem of climate change by transforming traditional sectors of the economy and developing green technologies and equipment. One of the key programs is a double degree [Master program in Ecology and Green Technologies](#) delivered together with Harbin Institute of Technology (HIT), one of the top universities in China. Students obtain two diplomas upon studies in INRTU for 1 year and in HIT for 2 years. En+ company, as a sponsor of the program, grants scholarships to the outstanding students and guarantees employment upon graduation.

Raising Awareness from an Early Age

University is committed to fostering environmental awareness from an early age. ["Polus-Class"](#) educational project is annually organized for schoolchildren of Irkutsk region, where they are introduced to the basics of geology and mining and technologies aimed at minimizing environmental impact, such as environmental quality assessment and rational resource use.

"Mendeleev class" is another educational project aimed at getting schoolchildren familiar with ecological issues and green technologies in chemistry. On ["Mendeleev Day"](#) at INRTU, schoolchildren attend lectures on environmental monitoring and water quality.



RESEARCH

7 publications in Scopus in 2024

INRTU is largely focused on applied research in such areas as industrial waste processing, development of eco-friendly construction materials, and reagents that reduce environmental impact.

Applied Research for the Region

INRTU is actively involved in solving complex regional environmental problems. For instance, INRTU Environmental Monitoring Laboratory in cooperation with "Baikal Strategies" Club conducts [research in the field of waste processing from the Baikal Pulp and Paper Mill](#). INRTU Siberian School of Geosciences involves students to conduct comprehensive geo-ecological studies of sites with accumulated environmental damage at industrial facilities in the Irkutsk region. Within this project, students actively participate in sampling and chemical analysis of soils, waste, snow, and vegetation, as well as data processing, testing [modern environmental monitoring methods](#) in practice



Water Workshop

The University actively fosters international research dialogue and collaboration. A significant example is the [workshop](#) "iPolytech Conference: Water in the Context of Global Challenges," jointly conducted by INRTU and the Harbin Institute of Technology. This forum served as a platform for exchanging expertise in engineering ecology and discussed critical issues of water resource conservation and the implementation of joint scientific and technological projects.



PUBLIC ENGAGEMENT

INRTU acts as a driver of environmental initiatives in the region, actively engaging students, staff, and the local community in volunteer and educational projects aimed at environmental conservation.

Shaping Regional Environmental Policy

The University's involvement as the co-chair of the Science Committee of the ["Baikal Without Plastic"](#) Association positions it at the heart of cross-sectoral dialogue. On the university's platform, representatives from major businesses, the scientific community discussed projects in volunteering, waste recycling, and environmental education. The key outcome was the formation of four committees tasked with implementing significant ecological projects for the Baikal region.

Environmental Solutions for Industry

INRTU conducts the ["Chemistry of the Future"](#) international scientific school. In 2024 more than 80 students, postgraduates, and young scientists from different Russian and foreign universities developed case studies addressing the needs of regional industrial companies.



OPERATIONS

Zero Emission Plan

The university has developed [a strategic framework for long-term carbon reduction](#), with a defined target to achieve net-zero emissions by 2050. This plan outlines a two-stage approach: a reduction of direct greenhouse gas emissions from university-controlled sources by 2030, followed by the reduction of indirect emissions associated with purchased energy by 2050.

Leading ESG Agenda

The implementation of energy and resource-saving practices is part of the University's daily life. This is evidenced by active participation in programs and ratings related to the ESG agenda. In 2024, INRTU topped the [ESG ranking](#) of universities in the EAEU countries, confirming a systematic approach to reducing environmental impact in operational activities.



Green Initiatives

INRTU demonstrates its commitment to sustainable campus management through regular internal eco-initiatives. In 2024, the ["Ecological Yard"](#) campaign was held, collecting nearly 300 kg of paper, scrap metal, and batteries for recycling directly on campus, fostering a culture of waste management among students and staff.

INRTU is developing infrastructure to support environmental management and volunteering. In 2024, the ["Dobro.Center"](#) was opened, serving as a dedicated hub for coordinating volunteer activities, including environmental projects, thereby systematizing the university's internal efforts in sustainability.

