



LEARNING AND STUDENTS

Sustainable Development in Education

In 2023, INRTU provides [training in educational programs related to sustainable development](#), such as “Ecology and environmental management”, “Environmental protection and resource conservation”, “Mining ecology”, “Ecology and green engineering”, “Renewable energy”, “Environmental safety”, “People conservation, professional and environmental risk management”, “Recycling and recycling of production and consumption waste”, etc.



Number of courses/modules related to environment and sustainability offered in 2023 = 985 courses

Sustainable Project Activity

A separate point in the university work to achieve positive results on the SDGs 12 is project activity as a whole type of joint educational work of teachers and students on various topics, including social and environmental issues. The forms of work are diverse: foresight games, quizzes, [environmental actions](#), [strategic sessions](#), environmental accelerators, forums and conferences at co-working [project activity](#) like “Diploma for Startup”, when INRTU graduates create a unique product or technology, get recommendations from experienced entrepreneurs and find investors.

Global Rankings

Annually INRTU participates in [Green Metric World University Ranking](#). In 2023, INRTU moved up to the 162th place among 1182 entries.

Renewable Energy and Seminars

[Associate Professor of Baikai School of BRICS Dmitry Karamov](#) has researched renewable energy for over 10 years. During this period he succeeded in developing methods of selecting equipment for renewable generation. Dmitry Karamov successfully integrates scientific solutions into the English-language educational program of the Baikai School of BRICS for the training of energy engineers. Also Irkutsk scientist reached the semi-finals of the UNESCO-Japan international award in nomination “Education for sustainable development”.



RESEARCH

Total research fund dedicated to sustainability research in 2023 = 411 MLN RUB

Total research fund in 2023 = 653 MLN RUB

10 publications on SDG 12 in Scopus in 2023

Forums and Conferences on Sustainability

INRTU teaching staff actively [conducts research](#) on the environmental agenda and presents the results at various international conferences and forums, for example, International Conference “Silk Road 2023” dedicated to the cooperation of industrial, educational and scientific organizations on issues of “green” metallurgy and new materials. Another event is the All-Russian scientific and practical forum “Disposal of production and consumption waste: innovative approaches and technologies”.



Our geoecologists present reports on current sites in Ust-Kut, Svirk in the Irkutsk region and share research results with their colleagues. And annual International Conference “[Plaksinsky readings-2023](#)”, where leading university staff of universities from Russia, Kazakhstan and Uzbekistan discuss issues on technological solutions to environmental problems in thermal power engineering, environmental and economic aspects of processing man-made raw materials.

PUBLIC ENGAGEMENT

University as Issues Solving Platform

In 2023 INRTU staff attended a [strategic session](#) of the Baikai interregional scientific and educational center which was held in Samara. It is closely involved in the implementation of new technologies to reduce the environmental burden on the Baikai natural territory and the conservation of natural resources, as well as the processing of industrial waste in the regions..

Plastic Recycling Issues

The issues of sustainable development were also raised within the framework of the scientific school “[Chemistry of the Future](#)”. As part of the field event, students visited the Museum of the Baikai Pulp and Paper Mill (BCBK), the All-Russian Ecological Campus ECO.WORKSHOP. Speakers from various activity spheres tried to demonstrate the students the pollution extent of Lake Baikai and necessity of solving this gap as soon as possible..

University-wide Clean-up day

One of the socially useful events that unites everyone, including students, staff, and teachers is [a clean-up day](#). In 2023, the Cleaning of the territory brought together over 200 employees and students, representatives of creative and sports teams, fighters of student detachments.

OPERATIONS

Commitment to SDG 12 is demonstrated through various actions and events within “Green University” [projects](#) aimed at shaping environmental behavior among students, popularizing the ideas of separate garbage collection, minimizing the use of disposable items, recycling of things, work on the improvement and sustainable development of cities in the region like it was during [Winter Uni](#) .

Policy on Rational Consumption in Action

According to the Policy on rational consumption and production models, it is envisaged to reduce the consumption of plastic by replacing material resources placed at landfills with resources that can be processed and recycled. For this purpose, university follows the strategy by using biodegradable or reused materials:

- installed coffee machines working with paper cups;

- [INRTU merch and souvenirs](#) made of wood raw materials and paper (souvenir bags, emblems, pens, etc.).

INRTU organizes the production and sale of souvenirs with the University logo, which include reusable items. For example, reducing the consumption of plastic bottles, and disposable pens by students and staff.



Encouraging Active Eco - Position

Active students in public life of the university, participants in environmental movements and events are [supported](#) with additional social aid. They are usually supported by the university administration and the local authorities.

The list of awards for INRTU students includes prizes at the conference “Water and Life”, top in the environmental hackathon, participation in the acceleration program “Taiga Eco”, letters of gratitude for assistance.