



LEARNING AND STUDENTS

Joint educational programs

Due to international cooperation, our University implements joint educational programs or double degree programs every year. They aimed at consolidation and partnership on sustainable development issues. The most effective from them is a project of [joint educational program with Shandong University on Sustainable Innovative Economics \(China\)](#). The Bachelor's program integrates fundamental training in the areas of modern economic theory, mathematics, information processing technologies, statistics, econometrics with focus on innovative and ecological approaches.

Retraining for sustainable development

A bright example of the implementation of educational and scientific activities aimed at sustainable development is the [Corporate Training and Research center – INRTU+EuroSibEnerg](#), offering retraining power engineers in areas related to energy efficiency, energy saving and implementation of smart technologies of electric and heat power industry.



Education through Center "Baikal"

The University is actively involved in the innovative work and projects of the [interregional Scientific Research Center "Baikal"](#). It is focused on development of "green" technologies and environmental safety, which is consistent with the global environmental agenda. Its strategic mission is to promote the economic development of the regions through cooperation of science, education and production, expansion of research and development, introduction of

new technologies, and attracting talented students to participate in innovation competitions through the educational process. There are two laboratories at INRTU: the Laboratory of Integrated Waste Processing of the Energy and Metallurgical Complex and the Laboratory of Photofunctional Materials.



RESEARCH

According to the Stanford University Ranking, 3 INRTU professors working in the field of power engineering were included in the list of 2 % of the most cited scientists.

International Scientific Interaction

The year 2022's become a significant one as several research projects were launched concerning [the study of the ecosystem of Lake Khubsugul by Russian and Mongolian scientists](#), as well as joint project with [Northumbria University \(Great Britain on paleoclimate reconstruction\)](#) for the search of ways to study the human impact on the environment, taking into account the study of paleoclimate.



Annual Scientific Festival Nauka0+

The University attracts students in various ways to immerse themselves in science and scientific research. Thus in 2022, annual Nauka0+ festival was held for the 12th time. Many visitors noted joint interactive activities organized by INRTU and En+Group, during which man could catch lightning with a Tesla coil, create a mosaic from screws, taste an unusual drink in a "science bar" and get



a free "coniferous pet" at the master-class "Under the green wing". The event has a different format from year to year, but pursues an important goal – instills a thirst for knowledge and arouses great interest in learning the world.

Conscious industrial ecology

INRTU The University becomes a venue for various forums and conferences. For instance, [the Forum "Conscious Industrial Ecology"](#) became particularly distinctive in a series of events, during which data on sustainable development were reported and the results of the "environmental hackathon" among students were presented. Special emphasis was placed on the ESG concept, which is based on environmental, economic and social factors. And this is not the first time, when the university has acted as a link between business and the state on environmental issues.



PUBLIC ENGAGEMENT

Proper Environmental Behavior

Students and university staff often become participants in national/regional actions and events supporting clean energy and proper environmental behavior. They participate in [garbage collection near riverbanks](#), collect waste paper in the [national campaign "Bumbattle"](#). What's more, from year to year the student squads "Siberian Express", ["Perpetual Motion Machine"](#) and ["Taiga"](#) help various social groups, starting from the teachers of rural schools and ending with the elderly people.

Startups for sustainable development

For several years, our technical university has been adhering to the principle of linking education with real sectors of the economy. In this regard, [Eco-Taiga acceleration program](#) was launched within the work of research and educational Center "Baikal". It provides direct interaction of program participants with representatives of the business industry - potential investors of the project. About 500 students have been already studying entrepreneurial skills for the project, and about 50 innovative startups are engaged in the development of "green economy", industrial waste recycling, replenishment of the raw material base, etc.

Baikal without Plastic Association

In 2022 INRTU became a member of [the "Baikal Without Plastic" Association](#), thereby supporting the immediate development of measures to eliminate disposable plastic tableware from circulation not only in the ecological zone of Lake Baikal, but also in the entire region as well. Already, our university is actively developing the infrastructure of separate waste collection on campus, a recycling system and the expansion of ecological culture among the students and university staff.



OPERATIONS

INRTU is committed to sustainable development in every area of its work, including education, management system, recycling policy. Both university faculty and students participate in a vast array of activities and events aimed at promoting the ideas of sustainability. The most bright of them are [sessions of the International Urban Planning University](#), [Mendeleev's classes](#) etc.

