



## LEARNING AND STUDENTS

### Study opportunities

INRTU provides educational programs in the field of sustainable management of land for agriculture and tourism. The programs are available free of charge for a group of students who have successfully passed the entrance tests. The university is working to involve schoolchildren in the issues of sustainable and rational use of land. For example, environmental case championships, contests, workshops and other events for children are held.



### Study programs

INRTU also provides [educational programs](#) about terrestrial ecosystems that are accessible to local and national communities. These educational programs are offered on the basis of the Department of Mineral Processing and Environmental Protection named after S.B. Leonov, as well as the Department of Industrial Ecology and Life Safety.

### International work

The university has a practice of exchanging experience gained during internships and extra-university programs, in particular, in the implementation of green technologies, energy saving, conservation of fish fauna and other environmental issues, and lectures on sustainable landscape design.

## RESEARCH

### Innovative technologies

The university staff conducts scientific research in the development and application of phytotechnologies. [An innovative solution](#) to the problem of antibiotic contamination of soil and water was proposed by INRTU scientists in 2022. The research team led by the head of the Department of Industrial Ecology and Life Safety of INRTU, Doctor of Technical Sciences, Academician of the Russian Academy of Natural Sciences Svetlana Timofeeva conducted a research work, thanks to which it is possible to take a serious step in solving an urgent global problem - pollution with antibiotics of the environment. Moreover, this technology uses **Elodea Canadensis**, one of the common alien species, which helps to decrease the impact of the alien species on local ecosystems.



### Safe disposal

INRTU teachers [participate as speakers](#) at All-Russian strategic sessions dedicated to environmental waste management, and also develop legislative initiatives to improve the situation with hazardous industrial waste and its disposal.



10 publications in Scopus in 2022

## PUBLIC ENGAGEMENT

### Ecological cooperation

INRTU actively cooperates and collaborates with local communities in the region of its presence to intensify activities to maintain shared land ecosystems. Collaboration takes place both at the managerial state level and at the social municipal level (through educational activities in schools and scientific communities). The university is especially proud of joint environmental projects with regional and federal businesses, such as the large energy business En+ Group, gold mining company Polyus, and other companies in the food and mining industry, contributing to the preservation of shared local natural lands and ecosystems.



### Volunteering

INRTU students are working on environmental protection as part of an environmental hackathon, which includes the development of new solutions to reduce the environmental impact of industry and implementable projects to preserve the biodiversity of flora and fauna. There is also a [Volunteer Movement](#) at the university, whose participants organize actions to collect waste paper



and batteries and take care of the abandoned animal nursery. Thirdly, staff and students organize and participate in actions for the greening of the city and surrounding areas. Teachers and students of architectural specialties develop projects of SMART cities and GREEN territories, presented publicly to search for investments.

## OPERATIONS

### Waste sorting

The university has a policy prescribing the sorting and disposal of waste, as well as the use of secondary (recycled) raw materials, such as paper, packaging, etc. (paragraph II.1.2 of the Policy). For these purposes, containers for separate waste collection were installed. INRTU disposes of waste from the campus in accordance with the legislation; relevant agreements have been concluded. The University [supports student volunteering and activities](#) aimed at collecting waste that requires a special recycling process, for example, batteries, as well as collecting those waste that could be recycled (paper, plastic).



### Nature protection

Students, teachers and experts of the Commission on Ecology and Forest Protection of INRTU participate in the work on the formation of proposals to the current laws related to the protection of local endangered, threatened, and protected (ETP) species, and evaluate the proposed projects and initiatives. In addition, the university supports its students' projects to create ecological trails around Lake Baikal, which are aimed at preserving local biodiversity, ETP species, and generally reducing the pressures of tourism on local ecosystems.