



## LEARNING AND STUDENTS

### Educational opportunities

INRTU provides educational opportunities in various specialties. There are many schools and departments at the university. The University implements [educational programs, many of which pursue the goal of sustainable development](#) as their global aim. Applicants are also offered bachelor's degree courses in [«Water supply and drainage»](#), specialist's degree programs in [«Applied Geology»](#), master's degree program in [«Innovative Technologies in Water Supply and Drainage»](#), postgraduate courses in the field of Water supply, sewerage, construction systems for water protection etc. There are both paid and free places for these programs.



[Numerous forums, conferences and workshops](#) with student associations and local communities are held outside the university where the issues of water resource conservation are considered.

## RESEARCH

### Scientific School

Irkutsk National Research Technical University has launched the International Scientific School [«Chemistry of the Future»](#), within the framework of the annual iPolytech scientific and practical conference.

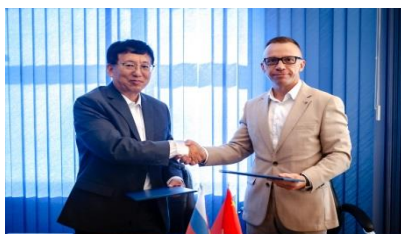


Important topics such as new chemistry formats and platform solutions, green chemistry, building the chemistry culture of the future and creating new educational programs cover in the proceedings of the school.

**9 publications on SDG 6  
in Scopus in 2023**

## PUBLIC ENGAGEMENT

INRTU actively cooperates with local, regional and national communities on the issues of water safety. Being a member of [Scientific and Educational Center «Baikal»](#), INRTU contributes greatly to the preservation of Lake Baikal, the largest reservoir of fresh water on the planet. Within "Baikal" project, INRTU focuses its research on deep processing of industrial waste, development of waste disposal technologies to save and preserve Lake Baikal.



On global level, INRTU collaborates with Harbin Institute of Technology, and in cooperation with Chinese scientists opened the International [Joint Research Center for Pure Water](#) which will combine competences in the field of water quality technologies and reduction of anthropogenic stress on nature. In May 2023 the Universities hold [iPolytech conference: Water workshop](#) to discuss issue of water conservation.

On an annual basis, INRTU promotes conscious [water usage](#) on campus: spreading among students the importance of water conservation and protection of water bodies in Irkutsk region. University engages students, staff to participate in water usage activities; works with [local environmental protection organizations](#) to support rational use of water. Additionally, [the «Baikal without plastic»](#) student initiative in collaboration with industrial partners underscored the urgency of tackling plastic pollution in natural water bodies of Lake Baikal.



## OPERATIONS

### Water Treatment and Supply System

The University adheres to the Policy on Preservation of Aquatic Ecosystems by contributing to the development of action programs for the organization of rotary water supply (Para II.1.2-II.1.3). In line with the policy there is an indirect process of sewage treatment at INRTU. It exists through the city municipal unitary enterprise [«Vodokanal»](#) which is responsible for water quality, and INRTU has a sewage reception contract with this organization. The company's mission is to provide uninterrupted quality water and canalization services to the city's residents and other consumers, and to create green environment for the Angara river basin. Also according to the organization charter MUE Vodokanal is obliged to carry out production, transportation and sale of drinking water quality; to control quality and quantity of production wastewater, as well as quality of preliminary treatment on local constructions, to monitor the quality and quantity of waste water used in public sanitation.

## Fresh Water at the University

INRTU monitors water quality on campus and tries to prevent contaminated water from entering the water supply system. INRTU researchers of [the Laboratory of Environmental Monitoring of Natural and Technogenic Environments](#) regular test water according to physical, chemical and biological indicators. Besides, [drinking fountains](#) were installed in several campus buildings. Fountains receive clean water from the central water supply system. This water passes through three filtration systems, and after drainage it enters directly into the sewer, so there is no circulation in the fountains. The water in them is disinfected, without chlorine impurities and fully meets all sanitary-epidemiological requirements. Filter cartridges are replaced based on water consumption.



**Campus population - 13 610**



**Volume of water used at the  
university: Inbound  
(treated/extracted water) -  
139 856m<sup>3</sup>**