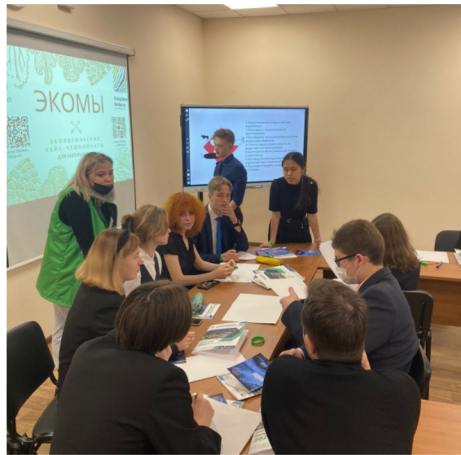


**LEARNING AND STUDENTS**

**INRTU Creates EcoMy Community**

Employees and students of INRTU united about 500 pupils of Irkutsk region in the youth environmental movement.

The program includes master classes devoted to the assessment of water quality by organoleptic and chemical properties, eco-creativity. The best teams will get prizes from Irkutsk Technical University and "Save Baikal" Foundation.



The presentation of the EcoMy community took place at the seminar "Development of the Regional Stage of the Water Contest in the Irkutsk Region" organized by the Environmental Project Consulting Institute.

**Study Programs**

We teach future professionals in such majors as Water Supply and Sanitation; Applied Geology; and Water Supply and Drainage, Building Systems for Water Protection. The skills gained allow to deal with up-to-date tasks on designing, installing, operating, renovating, researching water supply and drainage systems, water intake facilities development, drinking and technical water preparation, building engineering equipment, drainage from populated areas. INRTU is introducing new water treatment techniques in Irkutsk region to solve global issues.

**RESEARCH**

**Water Quality Research Laboratory**

There are a list of research laboratories and scientific centers in the structure of INRTU. The Water Quality Research Laboratory conducts independent, accurate and objective monitoring including determination of impurities, assessment of drinking water quality, natural and sewed waters of Irkutsk city and region.



**58** publications on SDG 6 indexed in Scopus

**PUBLIC ENGAGEMENT**

**Water and Life All Russian Conference at INRTU**

INRTU held All Russian Conference on urgent issues of water resources. Within the conference two pupils of Usolie Sibirskoye school were awarded the first-degree prize. They impressed the jury with the presentation on impact of used batteries on water and living organisms.



With the support of the Siberia Quantorium, the boys took part in a campaign to collect and recycle lithium batteries. In addition, they studied the survival rate of plants and snail eggs placed in liquid with old batteries.

**Lake Baikal Monitoring Project**

INRTU supports research on aquatic ecosystems. More than 3 years the researchers of INRTU and Limnological Institute SB RAS have been implementing the project on development of technology and tools for robotic environmental monitoring of Lake Baikal.



**Mendeleev Class Schoolchildren's Day at INRTU**

The educational seminar was held at INRTU for lyceum students with advanced study of mathematics and chemistry. The participants of the seminar were 8th form students of lyceum 1 from Usolie-Sibirskoe. They got acquainted with the biotesting of water objects under supervision of the Associate Professor of the INRTU Department of Industrial Ecology.



**OPERATIONS**

**Water Treatment and Supply System**

INTRU implements waste-water treatment indirectly through the respective city organization MUE Vodokanal, that provides drinking water and canalization services to the consumers. MUE Vodokanal produces, transports and sells drinking water, controls quality and quantity of production waste water and the quality of pre-treatment at local facilities.

**INRTU** consumes **1-25 %** of purified water

**Fresh Water at INRTU**

INRTU Drinking fountains 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. In 2021, two facilities at the university were additionally equipped with drinking fountains.