

## LEARNING AND STUDENTS

### Boosting Programs on Freshwater Ecosystems

Supporting the idea of sustainability INRTU offers two master programs in the field of freshwater ecosystems: Water Management and Innovative Technologies in Water Supply and Drainage. The programs are implemented both on the government scholarship (free of charge) and commercial basis.

### Lake Baikal Protection through Regional Ecology Course

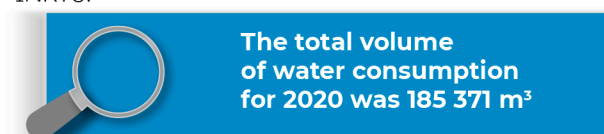
As a part of Fundamentals of Regional Ecology course students take lectures on Environmental Problems of Lake Baikal. Understanding the importance of a sustainable community, they discuss the issues of poaching on Lake Baikal, excessive catch of valuable fish species, the causes and consequences of the harmful damage to Lake Baikal. The students also get acquainted with the Federal Law on Protection of Lake Baikal and regulatory documents on the prohibition of Baikal Omul fishing.



## RESEARCH

### INRTU Project Office is Working on Preservation of Baikal Ecosystem

INRTU is upgrading water and wastewater systems, using modern methods of water conservation. This work is aimed at reducing the amount of water consumed, which is reflected in the university's annual report for 2020. In addition, INRTU joined the Consortium on Advanced Eco Technologies to create unified educational space within the Mendeleev Classes project. The students are involved in the project and research activities on such topics as Water Bodies of the Region that Require Increased Attention; Hydrobiological Methods of Assessing the Quality of Natural Waters and Their Pollution; Research on the Quality of Domestic drinking water. Finally, INRTU has become a participant of the Baikal Scientific and Educational Center that is focused on active development and implementation of green technologies. A project office of the Center and two laboratories working on the preservation of the Baikal ecosystem are located in INRTU.



### Water Quality Lab Working for University, City and Neighboring Countries

Since 2011, a water quality laboratory has been functioning at INRTU to carry out independent, accurate and objective monitoring as well as one-time determination of drinking, natural and waste water quality not only within the university, but also for the city of Irkutsk, Irkutsk region, the Siberian region and neighboring countries as a whole.



### Sustainable Community Creates Environmentally Safe Conditions for Angara River Basin

The university water supplier MUP Vodokanal is fully committed to the values of sustainable development and recognizes as its mission the smooth provision of city residents and other consumers with high quality water supply and sewerage services, creating environmentally safe conditions for the Angara River basin.

## PUBLIC ENGAGEMENT

### 360 Volunteer Project

INRTU takes an active part in various events and projects, dedicated to unfavorable ecological impacts. For example, the All-Russian volunteering and ecological project "360" is a part of En+ Group complex program "World with Plus Sign". Its main goal is to protect Lake Baikal and preserved areas of the Russian Federation from disruptive ecological impacts. Every year the International Scientific and Practical Conference on Water and Life unites people who care about the future, and who are ready to speak, discuss and share their vision on the development of water resources of the planet.

### INRTU Develops Technology and Tools for Ecological Monitoring of Lake Baikal

Events that affect the issues of waste disposal and its increase have urgency for modern society. INRTU teaching staff also participate in different research activities such as 10th International PTSCIENCE Competition - research on the results of municipal waste disposal activities in the Irkutsk region or the development of an environmentally safe technology for processing accumulated colloidal sludge-lignin, JSC "BTSBC" - in regional competition program "Ecoprom".



### Taiga Environmental Group Holds Activities on Water & Environment Protection

INRTU launched the student environmental group TAIGA, voluntary, self-governing, non-profit association of young people of INRTU and citizens with an active life position. The main goal of TAIGA is to carry out educational, socially useful and practical activities in the field of waste management and environmental protection.

## OPERATIONS

### University Boosts Modern Methods of Water Conservation

INRTU is upgrading water and wastewater systems, using modern methods of water conservation. This work is aimed at reducing the amount of consumed water. INRTU implements water conservation and recycling programs by using water-saving devices and collecting rainwater for watering plants and washing cars.

Also, INRTU has an accredited laboratory for environmental monitoring of natural and man-made environments, which is the only one in the region that can conduct research on waste as it is equipped with modern analytical equipment.

