

LEARNING AND STUDENTS

Study Programs

INRTU has various undergraduate and postgraduate programs aimed at solving the problem of climate change by transforming traditional sectors of the economy and developing “green” technologies and equipment. Such programs include Environmental Science Engineering (Bs), Ecology and Green Engineering (Ms), Environmental Safety (Bs), Renewable Energy (Ms) and etc.

Student Initiatives

INRTU students eagerly address climate change issues and participate in different research projects. For example, INRTU student team won 1st place at Zero Waste national competition held in 2020. They proposed a new system of waste utilization and suggested solutions to some imperative zero waste issues. Also INRTU students are active members of Association of “green” universities, they learn to set up eco-friendly businesses and organize multiple events on separate waste collection, plastic recycling, etc.

Eco-weekend

INRTU students joined annual Eco-weekend to clean the shore of Baikal lake, UNESCO World heritage, the deepest lake in the world. Volunteers gathered 45 kg of waste.



PUBLIC ENGAGEMENT

Making Difference

INRTU academics contribute to solving regional environmental problems and work on development of different green technologies for local enterprises to reduce ecological impact. A project on recycling waste from Baikal cellulose plant into natural fertilizer is one of the numerous ideas performed by INRTU professors and students in 2020.

Sustainable Winter City

International conference on Attractiveness and Economy of Winter City, initiated by INRTU, gathered scientists from Russia, Canada, Sweden and Switzerland to share ideas and experience on economic and technological capabilities of the winter period. They discussed an idea of a better “winter” city (efficient use of heat and energy supply, development of sustainable technologies) with consideration to environmental protection activities.

Leading Green Technologies

The university has joined Federal academic consortium “Leading Green Technologies”. INRTU professors wrestle with an issue on mitigation of consequences of industrial pollution, which is an imperative problem for Irkutsk region. Furthermore, INRTU academics in Environmental field initiated a working group which primary goal is to operate as a think tank on climate change. Now the group is joined by representatives of the scientific community, employees of scientific organizations and professors from Russian and foreign universities.



REDUCING GREENHOUSE GAS EMISSIONS GENERATED BY SOURCES OWNED OR CONTROLLED BY THE UNIVERSITY BY 2030.



OPERATIONS

Net Zero Plan

The University has developed an action plan to achieve zero carbon emissions for 2020-2050. It is planned to reduce direct greenhouse gas emissions that are generated from sources owned or controlled by the university by 2030. Reduction of indirect greenhouse gas emissions associated with the production of electricity, heat or steam purchased by the university will be achieved by 2040.

Environmental Control

The University implements Industrial environmental control program, aimed at higher energy efficiency, waste utilization, reduction of traffic footprint and creation of environmentally friendly infrastructure of the university campus.