



КАРБОНОВАЯ ПЛАТФОРМА
ДЕКАРБОНИЗАЦИЯ: ОБРАЗОВАНИЕ, НАУКА,
ТЕХНОЛОГИИ, БИЗНЕС



XVth International Summer Field School

"Greenhouse Gases and Climate: Monitoring, Manipulation, Modeling and Management"

July 20-31, 2026

Experimental Forest Station "Spasskaya Pad"

Institute for Biological Problems of Cryolithosphere SB RAS (IBPC SB RAS),
Federal Research Center "Yakut Scientific Center SB RAS" (YaSC SB RAS)

DEAR COLLEAGUES,

International scientific cooperation on the problem of global climate change has been developing in the vast permafrost territory of the North-East of Russia for the last 30 years. Within the framework of 53 international and intergovernmental research and educational projects (18 countries of the world), a unique scientific system SakhaFluxNet has been created to conduct interdisciplinary scientific research on solving fundamental issues. Research work reveals the full picture of the environment state, the nature of the interaction of all its parts (atmosphere, biosphere, hydrosphere, and cryolithosphere), their impact on biodiversity, and the implementation of forecasting and mitigation of possible directions and consequences of global environmental changes using the latest scientific and innovative instrumental bases and devices. SakhaFluxNet monitoring observation network for the study of greenhouse gases and climate is also a part of the international scientific networks GlobalCarbon, EuroFlux, AsiaFlux, INTERACT, PAGE21 and ScanNet. The complex system SakhaFluxNet includes all the largest bioclimatic zones of the North-East of Russia – tundra, forest-tundra and two types of forest. The system consists of four fully equipped research stations – Spasskaya Pad (Central Yakutia), Elgeeyi (South-Eastern Yakutia), Chokurdakh and Kodak in Northeastern Yakutia. Such an extensive network of world-level monitoring stations in the North-East of Russia is the only one on the territory of the Russian Federation and has no analogs, both in device providing and the number of parameters studied. Monitoring studies initiated by international

scientific forces are expanding both in terms of coverage of the territory and the number of studied parameters: space, geological, physical-technical, sociological and biological.

XVth Summer field school "Greenhouse gases and climate: monitoring, manipulation, modeling and management" will be held at the international forest research station "Spasskaya Pad" IBPC SB RAS, Yakutsk, from July 20 to 31, 2026.

Sponsors

The field school is supported by

- Federal Research Center "Yakutsk Scientific Center SB RAS" (YaSC SB RAS), Russia;
- Institute for Biological Problems of Cryolithozone SB RAS, Russia;
- Henan Normal University (HNU), China;
- Permafrost Institute of Northeast Forestry University, Chinese Academy of Sciences (PI NEFU), China.

Information Partner

- Carbon Platform: decarbonization, science, technology, education, business

The purpose of the field school

- to provide an opportunity for scientists dealing with the modern problem of greenhouse gas monitoring and cross-border carbon regulation to gain a broad understanding and knowledge about the field of decarbonization;
- expand knowledge and use it in practice to organize a national system of carbon polygons and carbon farms;
- use scientific diplomacy for the interaction of academic science and society, as well as stakeholders.

During the school, it will be discussed

- a wide range of disciplines such as Earth and Environmental Science, Climatology, Meteorology, Hydrology, Plant Physiology, Biogeochemistry, Ecology, Modeling, Sociology;
- development of joint scientific projects on greenhouse gases, including field research and the development of modern carbon monitoring techniques;
- analysis of the data obtained and presentation of research results on the following scientific topics: photosynthesis and plant respiration; soil respiration; energy, water and carbon fluxes; carbon pools; ecosystems disturbance; and other environmental problems in the period of great challenges of our time.

Well-known biogeochemistry scientists from Russia, China, Japan, Europe and other countries are expected to participate as lecturers in a hybrid format.

We invite all scientists and interested persons who deal with the problem of decarbonization and the development of a national system of carbon polygons, carbon farms and carbon units. Please note that for working at our scientific station, you need a field uniform (clothing) and repellents.

Main topics

- Greenhouse gas monitoring;
- Manipulation with greenhouse gases experiments;
- Modeling;
- Management: fundamental science and society, scientific diplomacy.

Approximate schedule

July 20

Day of arrival of participants

July 21, 9:30 AM

Opening Ceremony and Plenary Presentations

Venue: Conference Hall of the Yakutsk Scientific Center of the SB RAS, Yakutsk.

July 22 (until lunch from 10:00)

Three city tours (i): Mammoth Museum, Permafrost Kingdom and Treasury of Yakutia.

July 22 (afternoon 2:00 p.m.)

Departure to the scientific station "Spasskaya Pad" IBPK SB RAS (located 30 km north of Yakutsk, about one hour drive).

July 23 - 29, 2026

Lectures and field studies by groups, processing, analysis and discussion of data with reporting by groups at the end of field studies.

July 30, 2026 (8:30 a.m.)

Departure from the Spasskaya Pad station and excursion to the Lena Pillars (ii) (located 205 km south of Yakutsk, about 3.5 hour drive).

July 31, 2026

Day of departure of participants

The Organizing Committee of the School

Mikhail LEBEDEV, RAS academician, Dr. Sci., Professor, YaSC SB RAS, Russia;

Vladimir KUZNETSOV, RAS academician, Dr. Sci., Professor, Institute of Plant Physiology RAS, Russia;

Alexander FEDOROV, Dr. Sci., Institute of Permafrost Science SB RAS, Russia;

Innokenty OKHLOPKOV, PhD, IBPC SB RAS, Russia;

Xunhua ZHENG, PhD, Professor, Henan Normal University, China;

Huijun JIN, PhD, Professor, PI NEFU, China;

Shichang KANG, Professor, Institute of Mountain Hazards and Environments CAS, China;

Go IWAHANA., PhD., Professor, IASC, USA;

Shamil MAKSYUTOV, PhD, National Institute for Environmental Studies, Japan;

Taro NAKAI, PhD, Associate Professor, Taiwan University, Taiwan, China;

Ayumi KOTANI, PhD., Associate Professor, Nagoya University, Japan;

Alexander NOGOVITCYN, PhD, National Institute for Environmental Studies, Japan;

Trofim MAXIMOV, Dr. Sci., IBPC SB RAS, Russia;

Roman PETROV, PhD, IBPC SB RAS, Russia.

Key dates

• Applications for participation are accepted until **June 1, 2026**. The number of participants is limited. Please send the applications to the e-mail address ip_ysn@mail.ru.

Contributions

The cost of participation is 900 USD, including accommodation and meals at the scientific station, coffee, tea and buffet.

Banquets and excursions are at the expense of the school participant.

VISA information

If you need a visa, you are strongly advised to make your application **at least two months before the intended date of travel**. To assist with the visa application process, we will provide you with a letter of invitation.

Accommodation in Yakutsk city

The middle cost of the hotel rooms starts at 4500 rubles. If you need help with accommodation, please email to ip_ysn@mail.ru

APPLICATION
Summer Field School
"Greenhouse gases and climate:
monitoring, manipulation, modeling and management"
Yakutsk. July 20-31, 2026

Name, date of the birth
Citizenship
Affiliation
Position, research degree
Post address
Phone number
Participation in the day tours, 22 July, three tours at Yakutsk - yes / no 30 July, Lena Pillars - yes / no
Email address