

Arctic Floating University - 2015

Exploring Russian Arctic



SECOND ANNOUNCEMENT

We are pleased to inform you that Northern (Arctic) Federal University in cooperation with Northern Branch of Russian Federation Agency for Hydrometeorology and Environmental Monitoring (ROSHYDROMET) organize the marine research and education expedition «Exploring Russian Arctic» within the framework of the project «Arctic Floating University – 2015».

We are inviting scholars, graduate and postgraduate students to take part in the expedition!

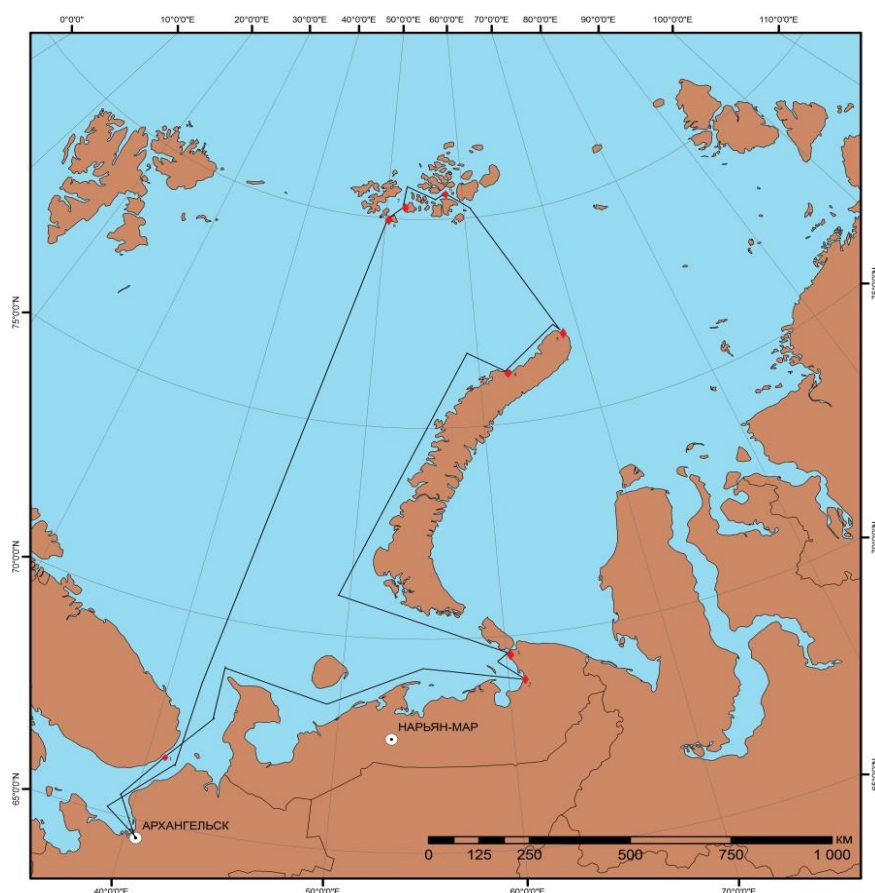


The expedition will be held **from 1 till 20 July 2015**.

Participants: It is planned to have 31 student, 20 lecturers, and 5 members of the administrative personnel among them.

Aims of the expedition

- to carry out a complex interdisciplinary research of the Arctic environment;
- to train young specialist for the of Arctic region;



The expedition route: White Sea – Barents Sea – Novaja Zemlja – Franz Josef Land – Arkhangelsk .

Landing points: the Solovetskie Islands, Sosnovets island, Oil platform Prirazlomnaya, Bely Nos cape, Varnek settlement (Vaigach), Novaya Zemlya: Russkaja gavan' bay, Zhelaniya Cape, Franz Josef Land: Heiss island, Champ island, Hooker Island, Northbrook island.

SEPARATE ROUTE SECTIONS CAN BE CHANGED DUE TO THE CLIMATE AND ENVIRONMENTAL CONDITIONS.

THE EXPEDITION PROGRAM

Consists of the research and educational sections

Research program:

- assessment of the conditions and degree of contamination of the local island territories of the former industrial activity zones in the areas of work for the elimination of accumulated environmental damage;
- comprehensive monitoring of changes in the vegetation of the Arctic tundra transition zones due to climate changes;
- study of the species diversity of the living organisms and populations at Novaya Zemlya and Franz Josef Land archipelagoes and adjacent waters;
- study of the historic and cultural heritage of the Russian Arctic national park in order to develop tourism and educational activities;

Educational program:

The Program focuses on the bachelor, master and PhD students.

Contents of the program: 8 educational modules and 32 hours of the lecture course.

Educational modules:

- ✓ Arctic Climate
- ✓ Study of the Arctic biodiversity and bioresources of the Arctic seas and coastal territories;
- ✓ Cryogenic processes and modern changes of the ice cover in the Arctic ocean;
- ✓ The Arctic seas and coastal territories ecology;
- ✓ History of the Arctic region;
- ✓ The Arctic within the system of international relations;
- ✓ The Arctic legal framework;
- ✓ Problems of social and economic development of the Arctic territories;

Work on educational modules will be organized in form of seminars or field works according to the module plan. The participants will receive 5 ECTS for participation in the course and passing the exam.

Facilities

All expeditions are organized on the research-vessel "Professor Molchanov". Originally built in 1982 for the Russian Hydro-Meteorological Service the R/V

“Professor Molchanov” has been refurbished to accommodate a maximum of 80 passengers and staff.

The vessel is a steel-hulled, ice-strengthened ship for the Arctic supply and oceanographic research, completely refurbished to meet both passenger and oceanographic needs. The R/V complies with international environmental and safety standards.

The R/V “Professor Molchanov “ has all the necessary facilities for organizing the educational process, laboratory and practical research . Public areas feature a large dining room, an observation lounge, a conference room with modern multimedia equipment, three laboratories, and a small infirmary with ship doctor.

Financing

An organization of the expeditions is carried out by means of co-financing by the organizations participating in the project.

A participation fee per person is 235 thousand rubles. The fee covers: accommodation (the bed in the cabin, meal, and network connection), the transport expenditures and administrative costs during expedition.

Deadline for applications

April 1, 2015

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