

СЕВЕРНЫЙ (АРКТИЧЕСКИЙ)
ФЕДЕРАЛЬНЫЙ УНИВЕРСИТЕТ
ИМЕНИ М.В. ЛОМОНОСОВА

Northern Arctic Federal University named after M.V. Lomonosov (NArFU)

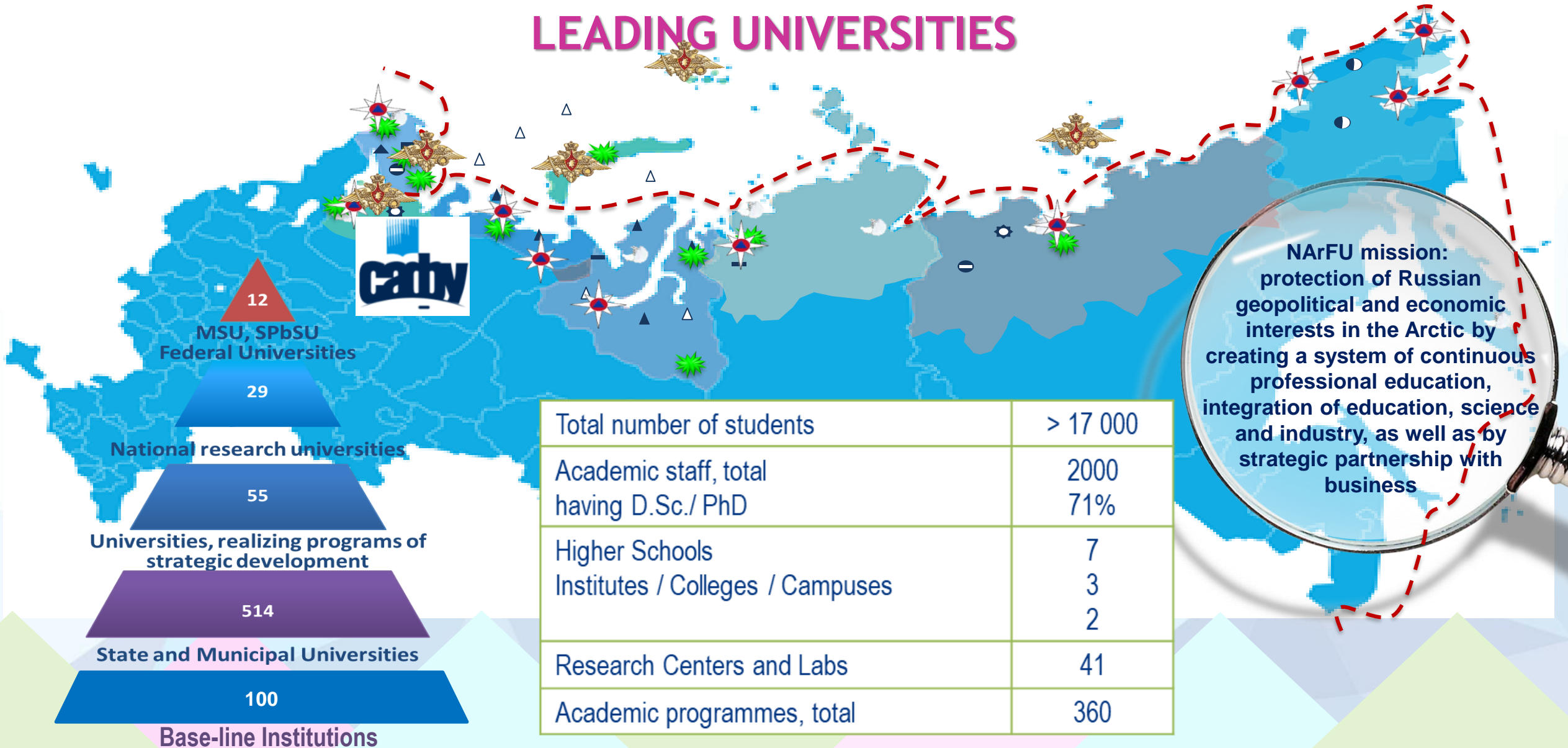


Welcome to Arkhangelsk region

- **European North of Russia**
- **1.5 hours flight** from Moscow/Saint-Petersburgh
- **Capital:** (population: 350 000 people)
- **Major industries:** forestry, machine-building industry, ship-building industry, pulp and paper industry, mining, fishing, tourism etc.



NARFU IS ONE OF 10 FEDERAL UNIVERSITIES AND A MEMBER OF THE RUSSIAN ASSOCIATION OF LEADING UNIVERSITIES





NARFU INTERNATIONAL COOPERATION

MISSION: to become a leading international research and educational center of the Arctic exploration through personnel training and fostering research-based solutions in close cooperation with industry and international partners



160+
partners from
60+ countries



8
International
network
consortia



6
joint
international
programmes



70+
large-scope
international
projects



900+
international students from
50+ countries

INTERNATIONAL ACADEMIC MOBILITY:

ANNUALLY

300+
students

200+
lecturers
and researchers

50+
foreign
visit lecturers

NARFU INTERNATIONAL PARTNERSHIP

Arctic

- Networking and collaboration
- Joint educational programmes
- Academic mobility
- Foreign lecturers
- International projects
- International events

Central Europe

- Networking and collaboration
- Academic mobility (Erasmus+)
- Foreign lecturers
- International projects
- Joint educational programmes
- International events

CIS

- Networking and collaboration (Euroasian Universities Association)
- Training specialists
- International projects

South-East Asia

- Training specialists
- Academic mobility
- International projects
- International events

**160+ partners
from
60+ countries**





NARFU INTERNATIONAL PROJECTS



Production and Processing of Hydrocarbons in the Arctic Conditions

Environmental Safety

Construction in Extreme Climate

Ensuring Safety in the Arctic

Development of Innovative Environment and Entrepreneurship

Renewable Energy

Energy Efficiency of the Buildings in the North

Mining Industry in the North

Development of Arctic Tourism

Climate Change

Inclusive Education

Information and Communication Technologies

International Relations in the Arctic

Nordic Languages and Cross-Cultural Communication

Current Issues of Cross-border Relations in the Arctic

Higher Education in the Barents Region



NARFU PRIORITY RESEARCH FIELDS



NARFU RESEARCH PROFILE
<https://narfu.ru/en/research/scientists>

ENVIRONMENT OF THE ARCTIC AREAS

- * *Comprehensive study of the northern nature aimed at bio-resources managing*
- * *Modeling of physical processes and systems occurring in the Arctic*
- * *Formation of environment eco-analytical control system*

CONSTRUCTION AND ENERGY IN COLD CLIMATE

- * *Investigating properties of structurally unstable soils and industrial ground*
- * *Ensuring safety and energy efficiency of buildings and complexes in the European North*

CHEMISTRY AND BIOTECHNOLOGY

- * *Creation of scientific basis of chemical and biotechnological use of renewable resources for solution of Arctic development's problems*

HUMAN DIMENSION IN THE ARCTIC

- * *Adaptation and human health in the North*

MINERAL RESOURCES OF THE ARCTIC AREAS AND RESOURCES

- * *Development of a monitoring system to intensify the process of oil extraction, hydraulic fracturing modeling under the Arctic climate conditions.*

SHIPBUILDING AND SHIP REPAIRING

IT TECHNOLOGY

RESEARCH INFRASTRUCTURE



- Centre for Collective Use of Research Equipment «Arktika»
- NeuroScience Shared Use Centre
- Centre for Innovation “Modern Technologies for Northern Bioresource Processing”
- Centre for Innovation “Arctic Oil and Gas Laboratory”
- Centre for Arctic Remote Sensing
- Arctic Centre for Strategic Research
- Arctic Biomonitoring Lab
- Education and Research Centre of Energy Innovation
- Emergency Prevention and Modeling Lab
- Technology Centre of Shipbuilding and Arctic Marine Engineering
- Research Centre “Construction in Extreme Climate”

Technologies and Research Methods»

KEY WORKING PRINCIPLES:

- Fundamental science and applied research
- Multidisciplinary approach
- Interregional centre (50+ partners & stakeholders)
- Global expertise exchange

MAIN WORK PACKAGES:

- SHIPBUILDING AND MARINE FACILITIES
- EXPLORATION, EXTRACTION AND PROCESSING OF MINERALS
- NORTHERN SEA ROUTE
- HUMAN IN THE ARCTIC
- BIORESOURCES OF THE ARCTIC

- **Fundamental science and applied research**
- **Multidisciplinary approach**
- **Interregional centre (50+ partners & stakeholders)**
- **Global expertise exchange**



NARFU MARINE EXPEDITION TO THE ARCTIC: ARCTIC FLOATING UNIVERSITY

NEXT:
1 - 25
JUNE 2021

ORGANIZERS:

NArFU, RosHydroMet, Russian Geographical Society

A unique scientific and educational Arctic expedition on board the research vessel

- 12 expeditions to the Arctic Ocean since 2012
- 29 HEIs
- **International** since 2013

AIMS: multidisciplinary research of water and coastal areas in the western part of Russian Arctic; practical training of students and young researchers for work in the region

Since 2012: 600+ participants from 16 countries

APPLICATION DEADLINE: 15 JANUARY

RESEARCH FIELDS

- Biodiversity of arctic ecosystems
- Observation of ice conditions
- Hydrological regime of the Arctic Ocean seas
- Pollutants transit into the Arctic Ocean seas
- Monitoring of the environment in the areas of economic activity of the White and Barents Seas
- Assessment of accumulated environmental damage and the degree of pollution in the areas of former economic activity
- Adaptive mechanisms of the human body to the conditions of the high-latitude Arctic
- *other areas upon consultation with organizers*



Research vessel
Ice-breaker "Mikhail Somov"



NARFU HIGHER SCHOOLS



**Higher School of Energy,
Oil and Gas**

**Higher School
of Information Technologies
and Automated Systems**

Higher School of Engineering

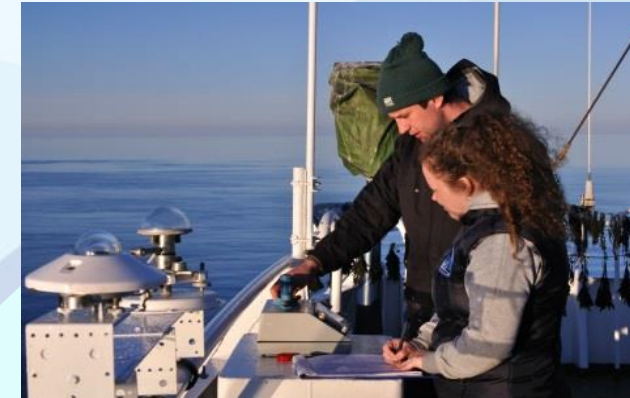


**Higher School of Psychology,
Pedagogy and Physical
Education**

**Higher School of Natural Sciences
and Technologies**

**Higher School of Social Sciences,
Humanities and International
Communication**

**Higher School of Economics,
Management and Law**





NARFU EDUCATIONAL PROGRAMMES FOR INTERNATIONAL STUDENTS (ENGLISH-TAUGHT)



English-taught Master programs:

- ▶ Environmental Risks Management in The Arctic (ERMA)
- ▶ European Studies: Arctic Focus
- ▶ Linguistics «Applied Linguistics: Teaching English as a Foreign Language»
- ▶ Arctic Law (*Russian + English language*)



English-taught semester programs:

- ▶ Russian Studies
- ▶ Diverse Arctic: Local Challenges — Global Changes
- ▶ EU and Russia in the Arctic: History of Cultural and Political Interaction



Scientific Internships (Master's / PhD)

International Schools

- ▶ International School of Russian Language and Culture (*February, June*)
- ▶ Model Arctic Council

Expeditions: Arctic Floating University

ENVIRONMENTAL RISKS MANAGEMENT IN THE ARCTIC



Qualification: Master of Science
Duration: 4 semesters (120 ECTS)
Teaching language: English

ADMISSION REQUIREMENTS

- ▶ Relevant Bachelor's Degree
- ▶ English proficiency (B2)



The programme is internationally accredited by the National Centre for Public Accreditation (NCPA) in accordance with the ESG ENQA



The **Arctic preservation** and **global environmental issues** have become high on the agenda. Demand has grown for professionals with deep expertise in understanding and evaluating risks of the Arctic development, able to employ scientific and practical methods of managing environmental risks.

This MSc programme provides graduates with a deep understanding of the principal tools, techniques and management concepts to respond to environmental risks and make decisions on a local and national level.

PROGRAMME CURRICULUM

1 year

2 year

1 semester

2 semester

3 semester

4 semester

Research Module (15 ECTS):

- Academic Writing;
- Methodology and Methods of Scientific Research;
- Project Management;
- Educational practice: research seminar;
- Educational practice: project;

Module: Environmental Monitoring (15 ECTS)

- Priority pollutants of the Arctic territories;
- Environmental pollution assessment;
- *Elective courses*: Environmental risks in the Arctic Region / Contemporary physico-chemical methods of environmental risk reduction;
- Internship, Practice for obtaining professional skills and professional experience;

Module: Risk Management (15 ECTS)

- *Elective courses*: Risk management / International experience in emergency preparedness and environmental protection in the Arctic;
- Scientific research practice;

- Science research (Master's thesis)

General Module (15 ECTS):

- Computer technologies and statistical methods in ecology and environmental management;
- Spatial analysis;
- Environmental law system;
- Environmental law of the Russian Federation;
- International environmental law;

Module: Environmental management and nature protection (15 ECTS)

- Environmental management system;
- Enterprise environmental management system;
- *Elective courses*: Decision-Making in Environmental Safety / Sustainable development in the industry
- Scientific research practice

Module: Clean Production Technologies (15 ECTS)

- *Elective courses*: Standards in the sphere of environmental management and ecological certification / Environmental management of clean production in the Arctic;
- Scientific research practice

Total 120 ECTS

EUROPEAN STUDIES: ARCTIC FOCUS



Qualification: Master of Arts
Higher School of Social Sciences, Humanities and International Communication
Duration: 4 semesters (120 ECTS)
Teaching language: English

ADMISSION REQUIREMENTS

- ▶ Relevant Bachelor's Degree or Specialist Diploma
- ▶ English proficiency (B2)

Foreign Regional Studies is a prestigious prospective direction in training qualified specialists having in-depth knowledge of foreign countries and regions.

Training a specialist in the field of foreign regional studies provides for the **comprehensive study of European countries**, international relations, organizations, associations, development outlooks for world and regional policy, world and national security.

PREPARATORY DEPARTMENT FOR INTERNATIONAL STUDENTS

What to expect during the course:

- ▶ Intensive training in Russian language
- ▶ Preliminary training in basic subjects (mathematics, physics, chemistry, etc.)

Language of instruction: Russian

Tuition fee: 116 100 rubles/1500 USD

Duration: 10 months

The integrated course includes:

- ▶ Studying in groups of up to 10 students;
- ▶ Experienced teaching staff and high-quality education;
- ▶ Individual approach to every student;
- ▶ Exciting excursions.



SCHOOL OF RUSSIAN LANGUAGE AND CULTURE



2021 – Summer and Winter School in online-format

Interdisciplinary programme consists of:

- ▶ Language Module
- ▶ Cultural Module

The **integrated course** includes:

- ▶ Russian language environment and individual approach
- ▶ Wide range of topics
- ▶ Unique teaching technique and highly-qualified teachers
- ▶ Exciting excursions (Russian wooden architecture, Pomors traditions and art, etc.)
- ▶ Extensive programme of concerts, workshops, discussion groups



More information: <https://narfu.ru/hssshic/summer-school/en/>

RUSSIAN STUDIES

Semester Bachelor programme
Autumn semester (30 ECTS)

English-taught programme

Module structure:

- ▶ Soviet and Contemporary Russian History (20th century)
- ▶ Culture of the Russian North
- ▶ Contemporary Russian Politics

10 ECTS in each course

Application deadline: 15th May 2021

Contacts: international.student@narfu.ru





TOPICS

INTERNATIONAL ONLINE IT-SCHOOL

- *Disruptive IT. Global approach (keynote lecture)*
- *Big data technologies*
- *Deep learning*
- *Blockchain technology*
- *IT for health and wellbeing*
- *IT project management*
- *Academic writing*

Workload: 2 ECTS

itschool@narfu.ru

KEY CONCEPT: to extend students' knowledge in end-to-end technologies and their application in IT project management

FIELDS OF STUDY: Open e-Government, IT, Business Informatics, Information Security





X INTERNATIONAL CONGRESS OF ARCTIC SOCIAL SCIENCES



IASSA
INTERNATIONAL ARCTIC SOCIAL
SCIENCES ASSOCIATION



**International
Science Council
MEMBER**

15 – 19 JUNE 2021

Northern Arctic Federal University, Arkhangelsk, Russia

WWW.IASSA.ORG

- **Professional association** of social sciences and humanities scholars who work in the Arctic
- **Observer** to the Arctic Council
- **Member** of the International Science Council
- **Established** in 1990
- **Membership:** 700
- **Countries:** 20+
- **Disciplines:** anthropology, sociology, human geography, archeology, political science, history, psychology, health sciences, Indigenous studies, linguistics, literature, applied engineering, law, economics and education



<https://ICASS.UNI.EDU>



Welcome to NArFU!

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Contact us >



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Online registration for applicants



www.narfu.ru