

 СИБИРСКИЙ ФЕДЕРАЛЬНЫЙ УНИВЕРСИТЕТ SIBERIAN FEDERAL UNIVERSITY	<p>P6: SIBERIAN FEDERAL UNIVERSITY Krasnoyarsk, Russia</p>
	<p><i>Departments concerned with SUNRAISE-related topics:</i></p> <ul style="list-style-type: none"> - Department of Ecology and Environmental Studies
	<p><i>Contact person:</i> Nina Pakharkova (nina.pakharkova@yandex.ru)</p>

SUNRAISE-RELEVANT RESEARCH TOPICS

1.	<p>Social, economic and engineering support of northern regions, including:</p> <ul style="list-style-type: none"> - Methodological approaches and partnership models for implementation of strategic tasks in economic development and building of transport and energy infrastructure in northern areas - Methodological approaches to formation of principles of horizontal interaction in resource development integrated projects in northern areas - New resource efficient and environmentally safe technologies in the context of green economy in northern areas - Methodological proposals for models of comfortable life and working conditions formation in northern areas
2.	<p>Modern educational technologies and continuous lifetime learning aiming at development of multicultural education and tolerance in Russia</p>
3.	<p>Preservation and regeneration of the traditional culture of indigenous peoples of the North</p>
4.	<p>Ecology, including:</p> <ul style="list-style-type: none"> - Comprehensive usage and preservation of water bodies - Reindeer migration monitoring in the Arctic zone as a tool for the management of indigenous peoples' traditional activities - Preservation and efficient use of wild reindeer

KEY PERSONALITIES, POTENTIAL MASTER'S AND DOCTORAL SUPERVISORS

- Prof. Dr. Irina Bezkorovainaia – *Research interests: Forest ecology; Soil ecological functions; Forest fire; Climate change*
- Assoc. Prof. Dr. Vladimir Gavrikov – *Research interests: Tree stand growth modelling; Late Holocene dynamics of boreal forests; Climate change*
- Assoc. Prof. Dr. Nina Pakharkova – *Research interests: Ecophysiology of plants; Climate change; Forest ecosystems; Biomonitoring of air pollution; Phytoremediation*

CURRENT AND PAST PROJECTS

Project 1: “Lifelong Learning for Sustainable Development”	Funded by: Erasmus + programme of the European Union	Project type: education
	Keywords: Lifelong learning; Green skills	

CURRENT AND RECENT PhD THESES

- Irina Gette “Recovery of *Pinus sylvestris* physiology following a fire” (2013 – 2019)
- Marina Rubleva “Substance migration features in ecosystems of the mountain taiga zone” (2019 – ongoing)

RESEARCH AMBITIONS IN RELATION TO SUNRAISE

1.	Developing further research activities on: <ul style="list-style-type: none"> - Environmental study in the Arctic - Study of mountain ecosystems
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ENABLERS AND BARRIERS ENCOUNTERED FOR RESEARCH DEVELOPMENT

Enablers	Barriers
<ul style="list-style-type: none"> ➤ Membership of an international network of universities: University of the Arctic (UArctic) 	-

NATIONAL RESEARCH/ POLICY SUPPORTING RESEARCH DEVELOPMENT

1.	Agreement on the formation of the Arctic Union Regions of Russia (2014)
2.	Agreement about the joint programme of the Northern and Arctic territories exploration between the Russian Geographic Society and the Krasnoyarsk Territory

CAPABILITY IMPROVEMENT TARGETED TO FULFIL THE ASPIRED RESEARCH GOALS

Improvements are desired in:

- Training for academic or technical staff
- Access to international databases

ENABLERS AND BARRIERS ENCOUNTERED FOR RESEARCH TRAINING

Enablers	Barriers
The university has created the Institute of the North and the Arctic	-