

# PROGRAM

## NORTHERN SUSTAINABLE DEVELOPMENT FORUM



## СЕВЕРНЫЙ ФОРУМ ПО УСТОЙЧИВОМУ РАЗВИТИЮ

ЯКУТСК 2019 YAKUTSK

**NORTHERN SUSTAINABLE DEVELOPMENT FORUM**  
**September 24–28, 2019**  
**Yakutsk, Sakha Republic (Yakutia), Russian Federation**

**SEPTEMBER 23, MONDAY**

**Educational Seminar International Business Experience for Specialists in the Field of Reindeer Husbandry and Fishery (September 23–24)**  
**population**

The purpose of the training and consulting seminar is a qualitative change in the professional competencies necessary for developing your own business in the field of reindeer husbandry and fishing. As a result, a participant must acquire basic knowledge on how to prepare a business concept, which is necessary for a qualitative change in competencies, a basic understanding of how to identify new potential business ideas in the field of reindeer husbandry and fishing, as well as a basic understanding of how to shape and orient identified ideas in the market.

The main topics of the seminar: Reindeer husbandry and fisheries: the main characteristics of the industry, products of the field of reindeer husbandry and fishing in the market, how to sell reindeer husbandry and fishing products in the market.

**Venue:** Tochka Kipeniya Co-working Center. 1, Lenin Avenue.

**Time:** 09:00–16:00

**Co-organizers:** Institute of Circumpolar Reindeer Herding of the University of the Arctic, Ministry of Arctic Development and Northern Affairs of the Republic of Sakha (Yakutia), International Center for Reindeer Herding, Association of Reindeer Herders of the World, UNESCO Chair of the Northeast Federal University named after M.K. Ammosov.

**Lecturers:** Bjorn Willy Åmo, Professor, Business School, University of Nord (Norway)

Kjell Stockwick, Executive Director, Far North Logistics Center (Norway)

Erland Bulvog, Dean of the University of Nord Business School (Norway)

Egor Makarov, Owner of the cultural and entertainment complex "MuusHaya"

Nikolay Gabyshev, Owner of the family restaurant of modern Yakut cuisine "Reka Ozero Les"

**COLD LANDS Seminar (September 23–27)**

**Arctic and Asia**

The international interdisciplinary seminar COLD LANDS, attended by the leading Russian and international experts on the Arctic and the North, has been held by Department of Northern Studies at NEFU since 2008. Total over 20 sessions of the seminar were held, attended by the leading researchers from research centers and universities in Russia, Canada, Finland, Norway, the USA and other countries.

A special session of the COLD LANDS Seminar within the Northern Sustainable Development Forum is held together with the Human Resource Development Platform for Japan–Russia Economic Cooperation and Personnel Exchange (HaRP) (Japan, Hokkaido University).

The seminar will include specialized lectures by invited experts, who are the recognized leaders in studying the "cold" regions of the world.

Format: lectures, roundtable discussions, methodological seminars that promote dialogue, enhance scientific research in the field of Arctic research, exchange of useful information on training, humanitarian relations and economic cooperation between countries in various fields.

Students, undergraduates and researchers are invited.

### **Specialized Section 1: "Connectivity, communication infrastructure and regional development of the North".**

**Co-organizers:** Department of Northern Studies of the North-Eastern Federal University named after M.K. Ammosov, Academy of Sciences of the Republic of Sakha (Yakutia); Training Platform for Japan-Russia Economic Cooperation and Humanitarian Exchanges (HaRP) (Japan, Hokkaido University).

**Venue:** Academy of Sciences of the Republic of Sakha (Yakutia), Assembly Hall. 33, Lenin Avenue.

**Time:** 14:00–17:00

**Moderator:** Mikhail Prisyazhny, Member of the Board of the University of the Arctic, Head of the Department of Northern Studies of the North-Eastern Federal University named after M.K. Ammosov.

**Lecturers:** Juha Saunavaara, Arctic Research Center, Hokkaido University (Japan). Needs and problems of transport and communication infrastructure of the regions of the North; Natsuhiko Otsuko (Skype). Arctic Research Center of Hokkaido University (Japan). Prospects for the development of the transport system of Yakutia "river/sea".

## **SEPTEMBER 24, TUESDAY**

### **Panel Discussion**

#### **Russia-Korea Cooperation in the Arctic**

#### **Arctic and Asia**

For the Republic of Korea, economic aspects are important in the Arctic region. In the short and medium term, economic opportunities are expected to arise in the field of resource extraction, transport routes and marine industrial development in the Arctic. Moreover, there is an opinion that the Arctic can become a new stable source of resources for the Republic of Korea, which is a major importer of resources in the world. In this regard, certain prospects appear for mutually beneficial cooperation between Russia and the Republic of Korea on using all the opportunities of the Northern Sea Route. The bilateral dialogue between the countries touches upon the issues of joint work on creating ice-class vessels and research cooperation in the Arctic.

**Co-organizers:** The Korea Maritime Institute, Republic of Korea

**Venue:** Public Center, Assembly Hall. 24, Kurashov st., Floor 6

**Time:** 10:00–13:00

**Moderator:** Kim Jong-Deog, Senior Research Fellow, The Korea Maritime Institute

### **Panel Discussion**

#### **Network Cooperation in the University of the Arctic**

#### **population**

Thematic networks are interdisciplinary associations of scientists and specialists for joint research work and/or development of online educational programs.

Thematic networks form the natural basis for the development of education and scientific research, providing them with an optimal structure for the accumulation and dissemination of knowledge throughout the North. Each network is international and includes representatives from the main Arctic regions – Russia, Northern Europe and North America. To date, more than 50 thematic networks have been created in various areas, for example, on permafrost, local and regional development in the North, Arctic Lingua, and industrial development in the Arctic.

**Co-organizers:** Ammosov North-Eastern Federal University

**Venue:** Public Center, Assembly Hall. 24, Kurashov st., Floor 6

**Time:** 16:00-18:00

**Moderator:** Lars Kullerud, President of the University of the Arctic (Norway)

### **Agreement Signing Ceremony**

### **Educational Seminar International Business Experience for Specialists in the Field of Reindeer Husbandry and Fishery (September 23–24)**

#### **population**

The educational seminar is organized for the indigenous youth of the Arctic as well as for the specialists engaged in the field of reindeer husbandry and fishery. The program focuses on the creative search for business ideas and the development of new business concepts in the field of traditional knowledge of indigenous peoples, food culture and food resources. Participation in the seminar will give an idea of how new business ideas are identified and developed into viable business concepts, where traditional indigenous knowledge of food production and preservation is considered as the basis for innovation and business models.

**Co-organizers:** UArctic Institute of Circumpolar Reindeer Husbandry, UNESCO Chair of Ammosov North-Eastern Federal University, Ministry for Arctic Development and Northern Peoples

Affairs of the Sakha Republic (Yakutia), International Center for Reindeer Husbandry, Arctic Science and Research Center of the Academy of Sciences of the Sakha Republic (Yakutia), Nord University of Norway (Bodø)

**Venue:** Tochka Kipeniya Co-working Center. 1, Lenin Avenue

**Time:** 09:00-16:00

**Speakers:** Bjorn Willy Åmo, Professor, Business School of the Nord University (Norway)

Dean Erlend Bullvag, Professor, Business School of the Nord University (Norway)

Kjell Stokvik, Managing Director, Center for High North Logistics (Norway)

### **Roundtable Discussion Carbon Budget of Ecosystems, Cities and Villages on Permafrost (COPERA Project)**

#### **Arctic and Asia**

The roundtable discussion is held to summarize the results of the research project and develop effective measures to promote the idea of protecting permafrost as well as using the project's results in the environmental education of the northern and Arctic regions. In the Sakha Republic (Yakutia), the largest cold region of Russia and the world, the environmental education was adopted in 2005; the Strategy of continuous environmental education in the Sakha Republic (Yakutia) until 2020 is in place.

The State Assembly (Iltumen) of the Sakha Republic (Yakutia) is developing the republic's Environmental Code.

The discussion of the Environmental Code and the development of environmental education will framework the results of COPERA project and discuss the proposals of environmental education projects for the world's northern regions.

**Co-organizers:** Arctic Research Center of Hokkaido University (Japan), Ammosov North-Eastern Federal University

**Venue:** Ammosov North-Eastern Federal University, Main Academic Building (GUK). 42, Kulakovskiy st., Room 237

**Time:** 09:00–13:00

**Moderator:** Atsuko Sugimoto, Professor of the Faculty of Natural Sciences, Arctic Research Center of Hokkaido University (Japan). Mikhail Prisyazhny, First Deputy Minister of Education and Science of the Sakha Republic (Yakutia),

### **Roundtable Discussion Sustainable Development of the Arctic Regions and Cities economy**

The roundtable will discuss the criteria for assessing the sustainable development of the regions and cities of the Arctic based on the methodology developed by the experts

of the Arctic Development Project Office. In 2018, its experts presented the rating of sustainable development of the Arctic territories of the Russian Federation "Polar Index. Regions". The goal of the project is to maximize the implementation of the principle of sustainable development in the Russian Federation, in this case, using the example of the Arctic zone. The regions' rating assesses the sustainability of the development of the entire Arctic zone of the Russian Federation at the macro-level. It also includes certain territories of the Arctic, for example, lands and islands in the Arctic Ocean. The main idea is that the rating takes into account the development of the economy and social sector and preservation of the environment. The index of sustainable development of the regions was calculated by several parameters, divided into three groups: socio-economic, environmental-economic, socio-ecological.

**Co-organizers:** Arctic Development Project Office, Moscow

**Venue:** Academic and Laboratory Building (ULK), Ammosov North-Eastern Federal University, Academic Council Hall. 58, Belinsky st.

**Time:** 10:00–13:00

**Moderator:** Alexander Vorotnikov, expert of the Arctic Development Project Office, Associate Professor of the Russian Presidential Academy of National Economy and Public Administration

### **5th All-Russian Conference Sustainable North: Society, Economy, Ecology, Policy (September 24–26)**

#### **economy**

The goal of the conference is searching for solutions to secure sustainable development of the Russian North-East, including the efficiency of the implementation of the national program "Digital Economy of the Russian Federation". The conference will showcase and test the outcomes of fundamental and applied research aimed to improve the sustainability of the socio-economic

development of the Russian North-East; it will discuss the mechanisms for securing the competitiveness of the regions, country, quality of life, economic growth and national sovereignty.

Panel Discussion «Economy and Society in the “Real Time” of the Digital Paradigm»:

1. Digital Technologies in Geology and Mining
2. Digital Technologies in the Traditional Economy of the North
3. Digital Modernization of Higher Education Curricula
4. Digital Technologies in the Social Sphere: Education, Healthcare, Culture, Sports
5. Digital Linguistics

**Co-organizers:** Scientific and Research Institute of Regional Economics of Ammosov North-Eastern Federal University

**Venue:** Academic and Laboratory Building (ULK), Ammosov North-Eastern Federal University, Academic Council Hall. 58, Belinsky st.

**Time:** 14:30–18:00

**Moderators:** Alexander Kugaevsky, Candidate of Economics, Vice-Rector for Analytical and Scientific Work of Ammosov North-Eastern Federal University  
Pyotr Gulyaev, Candidate of Economics, Director of Scientific and Research Institute of Regional Economics of Ammosov North-Eastern Federal University

## **COLD LANDS Seminar (September 23–27)**

### **Arctic and Asia**

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Students, undergraduates and researchers are invited.

### **Specialized Section 2.**

**«Socio-Economic Development of the Arctic and the North».**

**Co-organizers:** Department of Northern Studies of the North-Eastern Federal University named after M.K. Ammosov; Academy of Sciences of the Republic of Sakha (Yakutia); Training Platform for Japan–Russia Economic Cooperation and Humanitarian Exchanges (HaRP) (Japan, Hokkaido University).

**Venue:** Academy of Sciences of the Sakha Republic (Yakutia), Assembly Hall, 33 Lenin Avenue

**Time:** 15:00–17:00

**Moderator:** Mikhail Prisyazhny, Member of the Board of the University of the Arctic, Head of the Department of Northern Studies of the North-Eastern Federal University named after M.K. Ammosov.

**Lecturers:** Shinichiro Tabata, Professor at Hokkaido University (Japan). Research on the Russian economy, including the Russian Arctic.  
Juha Saunavaara, Arctic Research Center, Hokkaido University (Japan). Hokkaido Cooperation with Russian Regions, with Emphasis on the Far East and Siberia.  
Haruka Komiya, HokkaidoIntellectTank Association (Japan). The Interaction of Education, Science and Business in Regional Development.  
Marina Lomaeva, International Relations Department, Hokkaido University (Japan). HaRPPlatforminInterregionalCooperation.  
**Research and Practice Conference**  
**Indigenous Peoples of the Russian Federation: Problems, Priorities and Prospects of Development in the Transforming Society**  
**(dedicated to the 100th anniversary of Feodosy Donskoy)**  
**population**

The goal of the conference is to establish a discussion ground for the multifaceted issues, priorities of the present situation and development prospects of the northern society, pinpoints for studying the spiritual, sociocultural values and traditions of the indigenous peoples of the Arctic and North, development of research traditions of northern studies and thorough understanding of scientific heritage of Feodosy Donskoy.

**Co-organizers:** Institute of Humanities and Indigenous Peoples of the North SD RAS  
**Venue:** Institute of Humanities and Indigenous Peoples of the North SD RAS. 1, Petrovsky st.  
**Time:** 10:00–18:00  
**Moderator:** Sardana Boyakova, Doctor of History, Acting Head of the Arctic History and Ethnosociology Department of the Institute of Humanities and Indigenous Peoples of the North SD RAS

### **Workshop Creative Industries in the Arctic** **population**

A workshop on Arctic creative industries is being arranged by the Arctic State Institute of Culture and Arts. The workshop is arranged through the larger project “Arctic Creative Industries” and is the only event of this format at the Northern Sustainable Development Forum.

The project is based on the idea that education and cultural heritage are prerequisites for sustainable development and human well-being in the Arctic.

The workshop is aimed at presenting the scope of the creative potential of the Arctic for the development of creative industries.

The workshop will cover various areas of culture and arts of the Arctic — musical and theatrical art, folk art culture, painting and graphics, design and decorative and applied art.

The workshop is organised as several simultaneous, independent studios which will engage Forum participants in the creative processes enabling them to learn and acquire basic creative skills.

As an overall goal, the workshop strives to encourage interaction between all Forum participants for building an effective dialogue on local and international levels.

It will be interesting for all Forum participants regardless of their professional background.

**11:00 – fair-sale of works by students and teachers (foyer in front of the Chamber**



**Hall)**

**14: 00–16: 00 – Plenary part (Chamber Hall)**

**16.00–17.00 —Expositions of the works of artists, designers, jewelers, bone carvers; master classes in northern dancing, playing folk instruments, horsehair weaving, national sports, an interactive exhibition of IT portals; exhibition of musical instruments, books**

**Co-organizers: Arctic StateInstitute of Culture and Arts**

**Venue: Arctic State Institute of Culture and Arts, Chamber Hall. 4, Ordzhonikidze st.**

**Time: 16:00–17:30**

**Moderator: Stanislav Ivanov, Vice–Rectorof the Arctic StateInstitute of Culture and Arts**

### **Roundtable Discussion International Projects Planning and Management in Agriculture economy**

The roundtable will discuss interaction between educational and scientific organizations in the planning and management of international cooperation projects in agriculture.

The organizers will offer regional and interregional experience in building cooperation in regions with special climatic conditions.

**Co-organizers:**

**Yakutsk State Agricultural Academy, Northern Studies Department of Ammosov North–Eastern Federal University, Hokkaido Intellect Tank (Japan)**

**Venue: Yakut State Agricultural Academy, Academic Council Hall. 3, Sergelyakhskoye Road, km 3**

**Time: 17:00–18.30**

**Moderators: Ivan Sleptsov, Rector of Yakut State Agricultural Academy**

**Mikhail Prisyazhny, First Deputy Minister of Education and Scienceof the Sakha Republic (Yakutia), Haruka Komiya, Hokkaido Intellect Tank**

### **Roundtable Discussion Significance and Contribution of Culture of Northern and Arctic Countries in the Sustainable Development of the Arctic Region. On the Arctic Vector of Culture and Art Development in the Sakha Republic (Yakutia) population**

A new time has come and brought to life a new paradigm of culture. What is its novelty? Today, the planetary significance and geo-economic role of the Arctic in the global development is increasing. In these changing conditions, the geo-cultural component of the development of the Arctic is also growing.

To paraphrase the classics, we can speak of three sources and three components of northern culture of the Sakha Republic (Yakutia): Arctic, Asian, and Russian–European. Today, the cultural energy of the peoples of the republic should take the northern vector, expressing the essence of the spiritual aspirations of the peoples inhabiting the climatic zone of permafrost. The participation of many ethnic groups in the niche of northern culture, based on the civilization of East and West, confirms the culture-forming beginning of geography in human life.

The importance of the Arctic center of epic and arts in the formation and promotion of a new paradigm in world culture.



**Co-organizers:** Ministry of Culture and Spiritual Development of the Sakha Republic (Yakutia), Ministry for Arctic Development and Northern Peoples Affairs of the Sakha Republic (Yakutia), Arctic State Institute of Culture and Arts, Ammosov North-Eastern Federal University, Institute of Humanities and Indigenous Peoples of the North SD RAS

**Venue:** Sakha Theatre, Olonhko Hall, 1, Ordzhonikidze st., floor 2

**Time:** 16:00-17:30

**Moderator:** Andrei Borisov, State Counselor of the Sakha Republic (Yakutia), Honored Artist of the Russian Federation

**Presentation of the book of the Arctic Council project EALLU  
"Indigenous Youth, Arctic Change and Food Culture" (by invitations)**

The event is based on the results of the unique project of the Arctic Council Sustainable Development Working Group "EALLU: Indigenous Youth, Arctic Change and Food Culture". The project involves Canada, Denmark/Greenland, Norway, Russia, the USA, the Aleut International Association and the Saami Council. The cookbook of the project has been published in English and Russian and includes traditional food systems of 16 different indigenous peoples. In 2018 it received the highest award of the International Gourmand Awards and was recognized as the Best Cookbook of 2018. In 2019, the Russian version of the book was awarded the special prize of the Gourmand Cookbook Awards 2019.

As part of the presentation, an exhibition and tasting of traditional cuisine of the peoples of the Arctic is planned.

**Venue:** Muus Khaya Restaurant, Fireplace Hall, 13 Petrovskogo

**Time:** 19:00-21:00

**SEPTEMBER 25, WEDNESDAY**

**OPENING OF THE FORUM**

**Plenary Session**

**Session 1.** Socio-economic Development of the Northern and Arctic Regions

**Moderator:** Maya Danilova, Minister of Economy of the Republic of Sakha (Yakutia)

**Session 2.** Population in the Arctic: Social and Cultural Dimension

**Moderator:** Daryana Maximova, acting Executive Director of the Northern Forum

**Session 3.** Environmental Issues and Climate Change in the Arctic

**Moderator:** Vladimir Vasiliev, First Deputy Minister for External Relations and Affairs of the Peoples of the Republic of Sakha (Yakutia)

**Session 4.** Arctic and Asia: Opportunities for International Cooperation

**Moderator:** Gavril Kirillin, Minister for External Relations and Affairs of the Peoples of the Republic of Sakha (Yakutia)

**Venue:** Sergelyakh Lights Cultural Center. 58a, Belinsky st.

**Time:** 11:00-18:30

**Round table "Winter cities of the world: opportunities for cooperation"  
Arctic and Asia**

During the round table, issues of interaction between cities of different countries of the world will be discussed, including the organization of the Association's Working Meeting in Norilsk in November 2019.

The beginning of the Association of Mayors of World Winter Cities (World Winter

Cities Association for Mayors) can be considered 1981, when the city of Sapporo (Japan) initiated the organization of the Conference of Northern Cities in order to create comfortable winter cities under the slogan "Winter is our wealth!". The conference brought together cities with similar climatic conditions.

Members of the Association directly discuss problems, exchange information that may be useful in city management. The results of the discussions are successfully applied in urban planning.

**Co-organizers:** Association of Mayors of World Winter Cities (Sapporo, Japan), Department of North Studies, Northeast Federal University named after M.K. Ammosova (Russia), Hokkaido University (Japan), Association of Russian Social Geographers (Yakutsk Regional Branch)

**Venue:** Educational and Laboratory Building of the North-Eastern Federal University, Hall of the Scientific Council. 58, Belinsky st.

**Time:** 09: 30–11: 00

**Moderators:** Prisyazhny Mikhail, Member of the Board of the University of the Arctic, Head of the Department of North Studies of the North-Eastern Federal University named after M.K. Ammosova

Lomaeva Marina Viktorovna, Department of International Relations, Hokkaido University (Japan).

### **Roundtable Discussion Indigenous and Local Governance under Industrial Development in the North (September 25–26)**

#### **population**

Industrial development is known worldwide as a trigger for changes in territorial management. Some of the best-known Arctic Indigenous Governance Agreements are due to industrial development, such as the Alaska Native Land Claims Settlement Act, the James Bay and Northern Quebec Agreement, the status of tribal lands in Khanty-Mansiysk Autonomous Okrug and ethnological expertise in the Sakha Republic (Yakutia). This session invites presentations focusing on how indigenous and local residents developed their management practices in connection with the industrial development of their territories. Presentations aimed at analyzing how traditional legal norms and customs of territorial administration live in the process of industrial development, how activists use available legal mechanisms to preserve their rights to access their traditional pasture, hunting and fishing lands and how the young generation promotes innovation in territorial Arctic management. Taken together, understanding of new governance mechanisms can make a significant contribution to the sustainable development of the Arctic as a place of peace, cooperation and development.

**Co-organizers:** North Eastern Federal University (Russia), UiT The Arctic University of Norway (Tromsø, Norway), University of Northern British Columbia (Canada), University of Lapland (Finland), Vilnius University (Lithuania)

**Venue:** Main Academic Building (GUK), Ammosov North-Eastern Federal University. 42, Kulakovsky st., Room 237

**Time:** 14:30 – 18:00

**Moderators:** Florian Stammmler – Professor of Anthropology, Arctic Centre, University of Lapland

Aitalina Ivanova – Associate Professor, Ammosov North-Eastern Federal University

## **5th All-Russian Conference Sustainable North: Society, Economy, Ecology, Policy (September 24-26)**

### **economy**

The goal of the conference is searching for solutions to secure sustainable development of the Russian North-East, including the efficiency of the implementation of the national program "Digital Economy of the Russian Federation". The conference will showcase and test the outcomes of fundamental and applied research aimed to improve the sustainability of the socio-economic development of the Russian North-East; it will discuss the mechanisms for securing the competitiveness of the regions, country, quality of life, economic growth and national sovereignty.

Session 1. State regulation and economy of subsurface management, ecology and natural and climatic features of the Russian North

Session 2. Demographic and labor capacity of the northern and eastern regions of Russia

Session 3. Transport and logistic system: efficiency and digitalization

Session 4. Economy and technologies of diamond industry

Session 5. Extreme agro-economics

Session 6. Strategy of dynamically balanced socio-economic development of the North in the conditions of the global digital transformation

**Co-organizers: Scientific and Research Institute of Regional Economics of the North, Ammosov North-Eastern Federal University**

#### **Venues:**

1. Arctic Innovation Center of Ammosov North-Eastern Federal University. 42, Kulakovskiy st., Room 302

2. Ministry of Labor and Social Development of the Sakha Republic (Yakutia). 6/1, Petr Alexeev st.

3. Building of the Technological Faculties (KTF) of Ammosov North-Eastern Federal University. 50, Kulakovskiy st., Room 234

4. Building of Faculties of Natural Sciences (KFEN) of Ammosov North-Eastern Federal University. 48, Kulakovskiy st., Room 431

5. Academic Laboratory Building (ULK) of Ammosov North-Eastern Federal University. 58, Belinsky st., Room 306

6. Academic Laboratory Building (ULK) of Ammosov North-Eastern Federal University. 58, Belinsky st., Room 311

**Time: 14:30-18:00**

## **Strategic Session Arctic Zone of the Russian Federation 2035**

### **economy**

The project was developed by the Ministry for the Development of the Russian Far East and the Arctic and the Arctic Development Project Office. It is for the first time that the community, officials and experts are brought together to elaborate a state document – a common development strategy of the Arctic zone of the Russian Federation.

**Co-organizers: Arctic Development Project Office, Moscow, Ministry for Arctic Development and Northern Peoples Affairs of the Sakha Republic (Yakutia),**

**Venue: Government Building № 1. 11, Kirov st., Room 401,**

**Time: 17:00-18:40**

**Moderator: Alexander Vorotnikov, expert of the Arctic Development Project Office, Associate Professor of the Russian Presidential Academy of National Economy and Public Administration**

**Panel Discussion Labor Resources – a Foundation for the Sustainable Development of the Arctic economy**

The effectiveness of the existing measures of social support for the regions of the Far North and the development of the Arctic territories can be assessed by two criteria:

- 1) the effect on the ratio of wages received to the level of wages in other regions of Russia;
- 2) the adequacy of the payments to retain people in the North, i.e. their impact on migration processes.

It should be recognized that the existing benefits and compensations in the form of district coefficients and northern allowances are not an effective tool to motivate people to live and work permanently in the northern territories, including the territory of the Russian Arctic, so there is a constant migration outflow of the population. To increase the income level of those working and living in the Russian Arctic, it is reasonable to adopt regional laws on the social appeal of jobs in the Arctic regions of Russia, which would provide for reaching a decent level of differentiation of wages of personnel, competitive compared to other regions of the country and megacities.

It is necessary to provide for the possibility of additional compensations regarding extreme environmental conditions, including payment of travel expenses to recreations not once every two years, but every year, and not to limit the fare. To improve the quality of life of those working and living in the Arctic, attention should be paid to the development of transport and social infrastructure, and special attention should be paid to the development of cultural and leisure infrastructure facilities, the lack of which is directly felt by the population.

**Co-organizers: Center for Information and Legal Support of the Arctic Development, Moscow**

**Venue: Government Building № 2, Assembly Hall. 30, Lenin Avenue, Floor 2**

**Time: 16:30–18:30**

**Moderator: Yulia Belikova, Director-General, Center for Information and Legal Support of the Arctic Development**

**Reception hosted by the Head of the Sakha Republic (Yakutia)  
(by invitations)**

**Venue: Kruzhalo Gallery, Atrium. 1, Ammosov st.**

**Time: 19:00 – 20:30**

**SEPTEMBER 26, THURSDAY**

**8th Meeting of the Russia–China Cooperation in the Arctic Working Group  
Arctic and Asia**

The goal of the Russia–China Cooperation in the Arctic Working Group is to bring together the experts on the Arctic issues. The participants of the forum will represent different areas of China's and Russia's (Yakutia and Yamal) activity: researchers, government, public activists, businessmen. The Working Group will discuss the

issues of potential cooperation between Russia and China on the development of the Arctic. The discussion of institutional cooperation and legal framework for future partnership will be of the great interest. The Qingdao Working Group plans to work until 2022.

**Co-organizers:** The Ocean University of China (Qingdao) and Saint-Petersburg State University

**Venue:** Public Center, Assembly Hall. 24, Kurashov st., Floor 6

**Time:** 09:00-13:00

**Moderators:** GuoPeiqing, Professor, The Ocean University of China

Nadezhda Kharlampieva, Associate Professor, School of International Relations of Saint-Petersburg State University

### **Roundtable and Panel Discussion Ecotourism and Protected Areas**

#### **ecology**

Tourism opens up great opportunities for the Arctic and contributes to the development of territories and local communities. At the same time, there is a need for an integrated approach to ecotourism, which would take into account the interests of all countries of the macro-region, academia, tourism industry and tourists. Obviously, the whole region requires a special approach from the state, business and tourists, including respect for nature and maintenance of the local communities' special status. How can the experience of creating national parks and world heritage sites in other regions help develop ecotourism in the Sakha Republic (Yakutia) and what economic effect can be achieved? How should the negative impact of the tourist zones' development on the ecology and livelihoods of the local population be compensated for? How to prevent an imbalance in the economy typical for tourist regions?

**Co-organizers:** Linking Tourism & Conservation, Norway

**Venue:** Public Center, Assembly Hall. 24, Kurashov st., Floor 6

**Time:** 14:00-18:00

**Moderators:** Peter Prokosch, Founder and Chairman of the Board, Linking Tourism&Conservation

Nikolai Dodokhov, Deputy Minister of Environment, Nature and Forest Management of the Sakha Republic (Yakutia).

### **Session Sustainable Relationship between Wildlife and Local Communities with Regional/International Collaborations**

#### **ecology**

Currently, fewer areas of the Earth remain untouched. Humanity needs to not only restore the disturbed ecosystems, but also to educate generations of people who can maintain harmonious relations with nature in order to ensure a sustainable balance between the need to use natural resources and preservation of life on the planet. From this point of view, the use of historical experience of local communities, engaged in traditional nature use, and of traditional knowledge to preserve the environment is becoming one of the priority areas for regional and international cooperation.

**Co-organizers:** Hokkaido University&ArCS

**Venue:** Public Center, Assembly Hall. 24, Kurashov st., Floor 6

**Time: 16:30–18:00**

**Moderator:** Shirow Tatsuzawa, Professor, Hokkaido University (Japan); Visiting Professor, Ammosov North-Eastern Federal University

### **Roundtable Discussion Safe Investments in the Arctic Regions** **economy**

The roundtable will discuss such topics as investment attractiveness of the Arctic regions, promising areas of investment cooperation, investment attraction policies, business conditions and guarantees for investors, benefits, results from attracting foreign investments, and the main trends in the formation of an investment image in the Arctic region. Investments in the Arctic affect the socio-economic development of the region. In this regard, the issue of social corporate responsibility of investors becomes relevant, in particular, how safe are investments for the region and its population.

**Co-organizers:** Russian International Affairs Council, Moscow

**Venue:** Ministry of Economy of the Sakha Republic (Yakutia), Assembly Hall. 28, Lenin Avenue, Floor 6

**Time: 10:00–12:00**

**Moderator:** Andrei Krivorotov, Advisor to the Chief Executive Officer – Secretary of the Board of Directors, Shtockman Development AG (Moscow Office), Advisor to the Chairman

### **Round table "Indigenous and local governance and industrial development in the North" (September 25–26)** **population**

Industrial development is known around the world as a trigger for making changes in territorial management. Some of the best-known agreements for managing indigenous territories in the Arctic originated due to the industrial development, such as the Alaska Native Claims Settlement Act, the James Bay Agreement, the Status of Tribal Clauses in the Khanty-Mansi Autonomous Area and the Law on ethnological expertise in the Republic of Sakha (Yakutia). Presentations, which focus on how indigenous and local residents developed their management practices in connection with the industrial development of their territories are invited to this session. Reports aimed to analyze how traditional legal norms and customs of territorial administration continue to operate in the process of industrial development, how activists use available legal mechanisms to preserve their rights to access their traditional pastures, hunting and fishing lands and how the younger generation applies innovations in territorial management in the Arctic are particularly welcome. Understanding the new common governance mechanisms can make a significant contribution to the sustainable development of the Arctic as a territory for peaceful cooperation and development.

**Co-organizers:** North-Eastern Federal University named after M.K. Ammosov, UiT The Arctic University of Norway (Tromsø, Norway), University of Northern British Columbia (Canada), University of Lapland (Finland), Vilnius University (Lithuania).

**Venue:** Arctic Innovation Center of the North-Eastern Federal University named after M.K. Ammosov, conference hall. 46, Kulakovskiy st., Room 302

**Time:** 14:00–18:00 **Time: 10:00 – 13:00. This is a morning session on the 26th**

**Moderators:** Florian Stamm, Professor of Anthropology, University of Lapland

**Arctic Center; Aytalina Ivanova, Associate Professor, North-Eastern Federal University.**

## **COLD Lands Seminar (September 23-27)**

### **Arctic and Asia**

The international interdisciplinary seminar COLD LANDS, attended by the leading Russian and international experts on the Arctic and the North, has been held by Department of Northern Studies at NEFU since 2008. Total over 20 sessions of the seminar were held, attended by the leading researchers from research centers and universities in Russia, Canada, Finland, Norway, the USA and other countries.

A special session of the COLD LANDS Seminar within the Northern Sustainable Development Forum is held together with the Human Resource Development Platform for Japan-Russia Economic Cooperation and Personnel Exchange (HaRP) (Japan, Hokkaido University).

The seminar will include specialized lectures by invited experts, who are the recognized leaders in studying the “cold” regions of the world.

Format: lectures, roundtable discussions, methodological seminars that promote dialogue, enhance scientific research in the field of Arctic research, exchange of useful information on training, humanitarian relations and economic cooperation between countries in various fields.

Students, undergraduates and researchers are invited.

### **Specialized Section 3: «Environmental Monitoring».**

**Co-organizers:** Department of Northern Studies of the North-Eastern Federal University named after M.K. Ammosov; Academy of Sciences of the Republic of Sakha (Yakutia); Training Platform for Japan-Russia Economic Cooperation and Humanitarian Exchanges (HaRP) (Japan, Hokkaido University).

**Venue:** Academy of Sciences of the Sakha Republic (Yakutia), Assembly Hall.

**33, Lenin Avenue**

**Time: 09:00-10:30**

**Moderator:** Prisyazhny Mikhail, Member of the Board of the University of the Arctic, Head of the Department of Northern Studies of the North-Eastern Federal University named after M.K. Ammosov.

**Lecturers:** Atsuko Sugimoto (Skype). Professor of the Faculty of Natural Sciences, Professor of the Arctic Research Center, Hokkaido University (Japan). Environmental Monitoring in Permafrost Territories.

**Avtar Ram**, Associate Professor, Department of Natural Sciences, Hokkaido University (Japan). Multisensor Remote Sensing Techniques for Environmental Monitoring.

**Kenji Yoshikawa**. Professor of the University of Alaska Fairbanks (USA) and Invited Professor of Hokkaido University (Japan). Educational projects in the field of permafrost studies.

### **Roundtable Discussion Human and Nature, Society and State in the North.**

**Models for cooperation: tradition and modernization (17th-21st century)**

#### **ecology**

The round table suggests discussing the traditional and modernization models of human-nature interaction, the role of society and state in this process in the North. The traditional model, presented by the economy of the indigenous residents of



the North, which traditionalism was gradually declining, and the economy of the old-Russian population. For them, nature is the subject with which they come into interaction to maintain balance to a greater or lesser extent. The modernization model is a completely different attitude to nature. For a modernization model, nature is an object that needs to be used as rationally as possible to fulfill certain needs. The criteria of rationality are purely material categories. The study of these models, including the Soviet model of society-nature interaction in its “northern version” is a highly topical research area.

**Co-organizers:** Surgut State Pedagogical University

**Venue:** Academy of Sciences of the Sakha Republic (Yakutia), Assembly Hall. 33, Lenin Avenue

**Time:** 14:00-16:00

**Moderator:** Evgeny Gololobov, Vice-Rector for Scientific Work, Surgut State Pedagogical University

### **Expert Session Northern Sea Route and Development of Entrepreneurship of the Indigenous Peoples of the North population**

This session was initiated by the Arctic Council’s project “EALLU Reindeer Herding Youth and Food Culture”. It is suggested to discuss cooperation for the development of traditional economic activities of the Arctic indigenous peoples. The interaction should raise the society’s awareness of the traditional indigenous lifestyle and source of unique and useful products, as well as of finding opportunities for the economic growth at the local and regional levels.

**Partners:** Ministry for Arctic Development and Northern Peoples Affairs of the Sakha Republic (Yakutia), International Center for Reindeer Husbandry, Association of World Reindeer Herders, Arctic College of Northern Peoples, UNESCO Chair of Ammosov North-Eastern Federal University, Arctic Science and Research Center of the Academy of Sciences of the Sakha Republic (Yakutia), Nord University, University of the Arctic

**Venue:** Government Building № 2, Assembly Hall, Floor 2. 30, Lenin Avenue, Floor 2  
**Time:** 09:30-16:00

**Moderators:** Svein Matiesen, Professor, Sami University of Applied Sciences; Professor, Ammosov North-Eastern Federal University; Head, UArctic Institute of Circumpolar Reindeer Husbandry

Mikhail Pogodaev, Deputy Minister for Arctic Development and Northern Peoples Affairs of the Sakha Republic (Yakutia)

### **Panel Discussion International Organization of Northern Regions The Northern Forum**

In 1991, the Northern Forum, an international non-governmental organization of northern regions’ governors was founded, whose mission is to improve the quality of life of the population and support the sustainable development of cold-climate regions. The Northern Forum has so far remained the only international organization of the North and the Arctic aimed at supporting interregional cooperation throughout the circumpolar Arctic, establishing a North-South dialogue, primarily with the countries of the Asia-Pacific region.

Over its nearly 30-year history, the Northern Forum has carried out many projects

that have tangibly affected the socio-economic development of the regions, and has held hundreds of events. Every two years, the General Assembly of the organization is held, where in addition to organizational issues, general issues of interaction between regions and business partners are discussed. Recently, the NF Governors Summit has been introduced into practice to define the priority areas for cooperation in the near future. 10 working groups have been formed to launch project activities in specific areas.

**Venue: Government Building № 2, Assembly Hall. 30, Lenin Avenue, Floor 2**

**Time: 16:30–18:30**

**Moderator: Daryana Maximova, Acting Executive Director of the Northern Forum**

### **5th All-Russian Conference Sustainable North: Society, Economy, Ecology, Policy economy**

The goal of the conference is searching for solutions to secure sustainable development of the Russian North-East, including the efficiency of the implementation of the national program “Digital Economy of the Russian Federation”. The Conference will showcase and test the outcomes of fundamental and applied research aimed to improve the sustainability of the socio-economic development of the Russian North-East; it will discuss the mechanisms for securing the competitiveness of the regions, country, quality of life, economic growth and national sovereignty.

**Roundtable Discussion**

Strategy of dynamically balanced socio-economic development of the North in the conditions of the global digital transformation

**Co-organizers: Scientific and Research Institute of Regional Economics, Ammosov North-Eastern Federal University**

**Venue: Main Academic Building (GUK), Ammosov North-Eastern Federal University, 42, Kulakovskiy st., Room 237**

**Time: 10:00–12:30**

**Moderators: Alexander Kugaevsky, Candidate of Economics, Vice-Rector for Analytical and Scientific Work of Ammosov North-Eastern Federal University  
Pyotr Gulyaev, Candidate of Economics, Director of Scientific and Research Institute of Regional Economics of Ammosov North-Eastern Federal University**

**Roundtable Discussion**

**Economic Behavior of the Indigenous Peoples of the Arctic Zone  
population**

Topics for discussion:

Factors of globalization affecting the economic behavior of the indigenous peoples of the Russian Arctic zone;

Comparative analysis of socio-economic factors defining the economic behavior and individual well being of the indigenous peoples of the Arctic, living in Russia and abroad (Canada, Finland, Greenland, USA) under globalization;

Key determinants and features of the economic behavior of the indigenous peoples of the Russian Arctic zone;

Integrated socio-economic-psychological apparatus providing true information on the determinants and specifics of the economic behavior of the indigenous peoples of the Russian Arctic zone.

**Co-organizers:** Task force doing research with the Russian Foundation for Basic Research grant "Transformation of economic behavior of the indigenous peoples of the Russian Arctic zone in the conditions of globalization"

**Venue:** Main Academic Building (GUK), Ammosov North-Eastern Federal University, 42, Kulakovsky st., Room 237

**Time:** 16:00-18:30

**Moderator:** Ekaterina Zabelina, Associate Professor of Chelyabinsk State University

### **Roundtable Discussion Nordification of Construction**

#### **economy**

The following projects will be reviewed at the roundtable (agreed with the Russian Emergencies Ministry): risks of Arctic construction – a random-event concept of information modeling of buildings in the circumpolar region; multi-comfortable living and working conditions of people – the principles of urban development and space-planning solutions; special construction conditions in the Arctic – building materials, structures, technologies, logistics, organizational and technological construction systems, ensuring the capacity of construction, training, operation of buildings; implementation of high-latitude construction principles – fire safety of Arctic construction sites, technological safety of high-latitude construction, challenges in the construction of Arctic facilities, features of using modern building materials, scientific basis for responding to emerging threats, fires and accidents.

**Co-organizers:** Siberian Federal University (Krasnoyarsk)

**Venue:** Ministry of Entrepreneurship, Trade and Tourism of the Sakha Republic (Yakutia), Conference Hall. 22, Lenin Avenue

**Time:** 10:00 – 13:00

**Moderator:** Yuri Zakharinsky, Head of the Integrated Arctic Research Department, Siberian Federal University;

Sergey Amelchugov, Head of the Department of Engineering and Construction Institute, Siberian Federal University.

### **Roundtable Discussion**

#### **Human Adaptation in the Arctic**

#### **population**

The work of this session is aimed at identifying the problems and solutions of the adaptation processes of human life in the context of climate change in the Arctic (Subarctic regions) in the context of medical, psycholinguistic and socio-economic disciplines and expertise.

**Co-organizers:** Medical Institute of Ammosov North-Eastern Federal University, UNESCO Chair of Ammosov North-Eastern Federal University

**Venue:** Medical Institute of Ammosov North-Eastern Federal University. 27, Oyunsky st., Room 201 (Assembly Hall)

**Time:** 14:00-16:00

**Moderator:** Anatoly Zhozhikov, Doctor of Pedagogics, Candidate of Technical Sciences, Head of UNESCO Chair of Ammosov North-Eastern Federal University; Snezhana Sleptsova, Doctor of Medicine, Head of the Department of Infectious Diseases, Phthisiology and Dermatovenereology, Medical Institute of Ammosov North-Eastern Federal University.

## **Educational Lecture How to Teach the Arctic?**

### **population**

The lecture will be dedicated to new educational practices and approaches to teaching about the Arctic, developed within the RIAC project "International cooperation in the Arctic". The lecturer will present various methodological and content aspects and give methodological recommendations. The information will be useful for young lecturers, postgraduates and senior students.

**Co-organizers: Russian International Affairs Council, Moscow**

**Venue: Academic and Laboratory Building (ULK), Ammosov North-Eastern Federal University. 58, Belinsky st., Room 120**

**Time: 14:00-16:00**

**Speaker: Ekaterina Chimiris, RIAC Program Manager**

**Discussion: RJE3 Russia-Japan Educational Program:  
Results of 2014-2019 and Future Development (by invitation)  
Arctic and Asia**

The program "Leadership training of experts in the field of ecology, culture and sustainable development in the regions of the Far East and the Arctic" was founded in 2014 as part of an interstate program to support scientific and educational projects between universities of Japan and Russia under the name Re-Inventing Japan.

The goal of the Russia-Japan Educational Program, with the English name "EastRussia - Japan Expert Education Program" (RJE3) is to train a group of specialists who can play a leading role in the fields of education, culture, ecology and sustainable development of the regions of Siberia and the Far East.

The RJE3 program works in the following areas:

- \* biology;
- \* ecology and nature management;
- \* regional economy;
- \* construction and architecture in regions with a cold climate;
- \* preservation of cultural diversity in the Far East and the Arctic.

Representatives of 5 key universities are participating in the project from the Russian side: North-Eastern Federal University, Far Eastern Federal University, Pacific State University, Irkutsk State University and Sakhalin State University.

The consortium of the program includes representatives of various departments of the graduate school of Hokkaido University, local authorities of Hokkaido and the Far Eastern regions of the Russian Federation, industry, etc.

**Co-organizers: RJE3 Program Central Office (Japan, Hokkaido University);  
Department of Northern Studies of the North-Eastern Federal University named after M.K. Ammosov.**

**Venue: MuusHaya complex. 13, Petrovsky st.**

**Time: 18:30-20:30**

**Moderators: Shinichiro Tabata, Professor of Hokkaido University (Japan);  
Prisyazhny Mikhail Yuryevich, Member of the Board of the University of the Arctic,  
Head of the Department of Northern Studies of the North-Eastern Federal University  
named after M.K. Ammosov.**

**Gala Show of the Music Professionals Union of the Sakha Republic (Yakutia)  
We Are From the Arctic**

**Co-organizers: Philharmonia of the Sakha Republic (Yakutia)**  
**Venue: Sergelyakh Lights Cultural Center, 58a Belinskogo**  
**Time: 19:00–20:30**

## **SEPTEMBER 27, FRIDAY**

### **Roundtable Discussion on Floods in the Arctic** **ecology**

The roundtable discussion is dedicated to a wide range of issues related to the prospects of active management of hydrological risks in the Sakha Republic (Yakutia). We see floods as a natural phenomenon entailing significant socio-economic consequences, the scale of which, in turn, is determined by a number of social factors. In a broad sense, floods are a challenge to the socio-economic formation as a whole. The plenary reports before the discussion will present on the following: the main natural factors of floods and the vulnerability of settlements to their negative impact; probabilistic assessment of direct damage and approaches to determining indirect damage; level of population satisfaction with preventive and organizational measures; property insurance in the flooded areas. Active management of hydrological risks requires a strategic approach, which characteristics in the Russian Arctic will be discussed by the participants of the roundtable.

**Co-organizers: Institute of Permafrost Studies SD RAS**  
**Venue: Academic Laboratory Building (ULK) of Ammosov North-Eastern Federal University, Academic Council Hall. 58, Belinskyst.**  
**Time: 10:00–13:00**  
**Moderator: Nikita Tananaev, Lead Researcher, Institute of Permafrost Studies SD RAS**

### **COLD Lands Seminar (September 23–27)** **Arctic and Asia**

The international interdisciplinary seminar COLD LANDS, attended by the leading Russian and international experts on the Arctic and the North, has been held by Department of Northern Studies at NEFU since 2008. Total over 20 sessions of the seminar were held, attended by the leading researchers from research centers and universities in Russia, Canada, Finland, Norway, the USA and other countries.

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The seminar will include specialized lectures by invited experts, who are the recognized leaders in studying the “cold” regions of the world.

Format: lectures, roundtable discussions, methodological seminars that promote dialogue, enhance scientific research in the field of Arctic research, exchange of useful information on training, humanitarian relations and economic cooperation between countries in various fields.

Students, undergraduates and researchers are invited.

### **Specialized Session 4: «Humanities».**

**Co-organizers:** Department of Northern Studies of the North-Eastern Federal University named after M.K. Ammosov; Academy of Sciences of the Republic of Sakha (Yakutia); Training Platform for Japan-Russia Economic Cooperation and Humanitarian Exchanges (HaRP) (Japan, Hokkaido University).

**Venue:** Academy of Sciences of the Sakha Republic (Yakutia), Assembly Hall. 33, Lenin Avenue

**Time:** 11:30-13:00

**Moderator:** Prisyazhny Mikhail Yuryevich, Member of the Board of the University of the Arctic, Head of the Department of Northern Studies of the North-Eastern Federal University named after M.K. Ammosov.

**Lecturers:** Masanori Goto, Professor, Slavic-Eurasian Research Center, Hokkaido University (Japan). The Reconstruction of the Binary Opposition in the Livestock Sector of the Sakha people.

Jeffrey Gayman, Professor, Graduate School of Education, Hokkaido University (Japan). Challenges and successes of working with local indigenous peoples in a school curriculum for Hokkaido University on Education for Sustainability.

Tyler Eskelson, Associate Professor, Graduate School of Education, Hokkaido University (Japan). Education for Sustainable Development: Fundamentals and Methodology.

Tatyana Tsagelnik, Higher School of Education, Hokkaido University (Japan). The Impact of Discourse on Cultural Sustainability: Representation of the Ainu People and Culture in Japan.

Ashley Dollin, Hokkaido University Graduate School of Education (Japan). Studying the Problem of Indigenous Representation through the Media.

## **Projects Presentation**

**Venue:** Public Center, Assembly Hall. 24, Kurashov st., Floor 6

**Time:** 09:00-16:30

**09:10-09:30** Presentation of the Scientific and Educational Center for the Development of the Arctic and Subarctic "North":

1. Hybrid energy sources of local energy of the North "

(co-organizer - North-Eastern Federal University, Vasiliev V.P.)

**09:35-09:55** Presentation of the Scientific and Educational Center for the Development of the Arctic and Subarctic "North":

2. High-tech Production, Technology Adaptation and the Production of Unique Non-factory and Small-Scale Systems based on Manufactory, Engineering and Cluster Design of Future Skills: NEFU MC

(co-organizer - North-Eastern Federal University, Gogolev R.O.)

**10:00-10:20** Presentation of the initiative to create the "Council of the Bering Pacific-Arctic Region" (co-organizer - Khabarovsk State University of Economics and Law "SCO and APR Research Center", Khabarovsk Krai)

**10:25-10:45** Presentation of the Arctic Information System for Business (co-organizer - Arctic Portal, Iceland)

**10:50-11:10** "Children of the Arctic" (co-organizer - ANO "RCU "University of the Arctic", Association of Indigenous Minorities of Siberia, North and Far East, University of Greenland, University of Washington, McGill University)

**11:15-11:35** "Talents of the Arctic" (FADN project, Association of cultural workers to support and develop talented youth, Moscow)

**11:40-12:00** Presentation of the activities of the PORA Expert Center (co-organizer - Arctic Project Development Office)

**12:05-12:25** International Project "Culture and Art in the Arctic" (co-organizer – Arctic State Institute of Culture and Arts)  
**12:30-12:50** Russia: World Institute of Arctic Knowledge and Competencies (co-organizer – editors of the Russian Arctic magazine, Moscow)  
**14:00-14:20** Siberian University on Wings (co-organizer – Department of Comprehensive Arctic Studies of the Siberian Federal University)  
**14:25-14:45** Construction of Tourist Bases in the Russian Arctic (co-organizer – Siberian Federal University)  
**14:50-15:10** "The Musk Ox is the Golden Fleece of Yakutia" (co-organizer is the Ministry of Ecology, Nature Management and Forestry of the Republic of Sakha (Yakutia))  
**15:15-15:35** Digitalization of the Linguistic and Cultural heritage of the Peoples of the Arctic (co-organizer, UNESCO Chair, Northeastern Federal University)  
**15:35-15:55** Comprehensive Scientific and Technical Program for the Full Innovation Cycle "Platform Solutions for Integrated Development of Territories" (co-organizer – Arctic Innovation Center of the North-Eastern Federal University)  
**16:00-16:20** "Call of the Earth" (Nomadic culture of the peoples of Russia)  
 WorldSkills: ArcticChallenge international high-tech professional competition project (co-organizer – North-Eastern Federal University)

## **GalaShow Lights Over the Arctic**

**Co-organizer:**Ministry of Culture and Spiritual Development of the Sakha Republic (Yakutia)

**Venue:**Triumph Sports Center. 26, Oyunsky st.

**Time:** 18:30-19:20

## **SEPTEMBER 28,WEDNESDAY**

### **Model of the Northern Forum: Youth Expert Platform**

**Venue:** Educational and laboratory building of the North-Eastern Federal University, Hall of the Scientific Council. 58, Belinsky st.

**Time:** 14:00-16:00

**Moderator:**DaryanaMaximova, Acting Executive Director of the Northern Forum

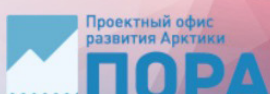
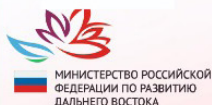
### **Foodstuffs 2019 ExhibitionFair**

**Co-organizer:**Ministry of Agriculture of the Sakha Republic (Yakutia)

**Venue:**Komsomolskaya Square

**Time:**10:00-17:00





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