

BUSINESS PROGRAMME for the International Arctic Forum

April 9–10, 2019, Saint-Petersburg

Programme accurate as at April 8, 2019

April 8, 2019

[Special Events on the Sidelines of the Forum](#)

Prospects for the Development of the Northern Sea Route

In partnership with the State Atomic Energy Corporation ROSATOM
Registration is now closed

In accordance with the Federal law dated 27 December 2018 No. 525-FZ “On implementing changes to individual legal acts of the Russian Federation,” the Rosatom State Atomic Energy Corporation has begun to function as the sole infrastructure operator of the Northern Sea Route. The Rosatom State Corporation is responsible for implementing state policy and managing state property related to the development and sustainable function of the Northern Sea Route and for creating facilities to meet the electricity demands of the Arctic zone of the Russian Federation. Experts will discuss proposals to increase the efficiency of ship route planning, improve ice monitoring and marine area navigation and hydrography along the Northern Sea Route, develop seaport infrastructure, form a cargo base, and create an icebreaker fleet.

A special Rosatom State Corporation field event will be held on the 50 Let Pobedy icebreaker under the real conditions of winter-spring navigation in the Gulf of Ob and the Kara Sea.

Moderator:

- **Vyacheslav Ruksha**, Deputy Director General – Director for the Northern Sea Route Directorate, State Atomic Energy Corporation ROSATOM

Panellists:

- **Dmitry Artyukhov**, Governor of Yamalo-Nenets Autonomous Region
- **Olga Atyukova**, Deputy Presidential Plenipotentiary Envoy to the Northwestern Federal District
- **Yury Borisov**, Deputy Chairman of the Government of the Russian Federation; Chairman, Marine Board under the Government of the Russian Federation
- **Lev Feodosyev**, First Deputy Chairman of the Management Board, NOVATEK
- **Alexander Isayev**, Chairman of the Board, Vostokugol Management Company
- **Mustafa Kashka**, General Director, Atomflot
- **Aleksey Kazanin**, Deputy General Director, Chairman of the Board of Directors, Marine Arctic Geological Expedition
- **Nikolay Kharitonov**, Chairman of the Committee for Regional Policy and Issues of the North and Far East, State Duma of the Federal Assembly of the Russian Federation
- **Andrey Klepach**, Deputy Chairman (Chief Economist), Member of the Board, State Development Corporation VEB.RF
- **Roman Kopin**, Governor of Chukotka Autonomous Area
- **Alexander Kozlov**, Minister for the Development of the Russian Far East and Arctic
- **Yury Malyshev**, Chief Executive Officer, SCF Arctic
- **Yury Mikhov**, Chief Executive Officer, Hydrographic Department
- **Vladislav Onishchenko**, Head, Analytical Center for the Government of the Russian Federation
- **Alexander Poshivai**, Deputy Head, The Federal Agency for Maritime and River Transport
- **Dmitry Pospelov**, Senior Vice President, VTB Bank
- **Pavel Sorokin**, Deputy Minister of Energy of the Russian Federation
- **Vasily Strugov**, Deputy General Director for Fleet, Rosmorport
- **Yury Trutnev**, Deputy Prime Minister of the Russian Federation and Presidential Plenipotentiary Envoy to the Far Eastern Federal District
- **Alexander Tsybulskiy**, Governor of Nenets Autonomous Region
- **Sergey Vakhrukov**, Deputy Secretary of the Security Council of the Russian Federation

14:00–15:45

Congress Centre
Conference hall B1

Special Events on the Sidelines of the Forum

Northern Forum Regional Coordinators Committee Meeting

Registration for the event is over

The Regional Coordinators Committee (RCC) is a collegial executive body and consists of regional representatives appointed by members of the Board of Governors of the Northern Forum from their regions. The Committee is chaired by the regional coordinator from the presiding region. Currently, the Nenets Autonomous Okrug, the Russian Federation, is chairing the Northern Forum. In the coming years, the Northern Forum will strengthen its project and cooperation activities, taking into account the future chairmanship of the Russian Federation in the Arctic Council. The agenda of the Regional Coordinators Committee meeting includes consideration of the main outcomes of the work of the Northern Forum in 2018, and discussion of the Northern Forum's draft Strategy. An important part of the meeting will also be the preparation of proposals by the Northern Forum for the period of Russia's chairmanship, such as the possibility of creating a committee for the hosting and preparation of Arctic Council events in the Russian Federation during its chairmanship (Arctic Hosting Committee), as well as a proposal to hold important Arctic Council events in the northern and Arctic regions of the Russian Federation. Other items that will be considered during the meeting include preparation of the 14th General Assembly in 2020, and work on the other activities of the Northern Forum.

April 9, 2019

10:00–11:30

Congress Centre
Conference hall B1

Sustainable Development

Public Health: The Key to the Successful Opening up and Economic Development of the Arctic

Addressing major challenges in the development of the Arctic zone and the implementation of investment projects to develop the oil and gas complex and the infrastructure of the Northern Sea Route are linked to the involvement of significant human capital, the creation and development of residential areas, and the wellbeing of the environment and safe working conditions. The extreme climatic conditions of the North, such as exposure to cold, hypoxia, chemical pollution of the environment, a lack of essential trace elements, and a high prevalence of parasitic and infectious diseases caused by the warming of the Arctic climate, dictate what kind of nutrition may be provided and which preventive measures carried out in order to help minimize health risks, both for those arriving in the Arctic and the indigenous population. How can the health of those working in open areas of the Arctic be maintained? What are the priority areas of research and development in Arctic medicine? How may the prevention of infectious diseases among temporary residents and the local population of the Arctic be improved? What are the priorities in terms of preventive measures to ensure the sanitary and epidemiological wellbeing of those living in the North?

Moderator:

- **Anna Popova**, Head, Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing

Panellists:

- **Igor Bobrovnikiy**, Deputy Director, Center for Strategic Planning and Management of Biomedical Health Risks of the Ministry of Health of the Russian Federation; Chairman, Commission of the Scientific Council for Medical Problems of the Arctic, Department of Medical Sciences, Russian Academy of Sciences
- **Sergey Gorbanev**, Director General, North-West Public Health Research Center
- **Jon-Oyvind Odland**, Professor, Norwegian University of Science and Technology; Secretary, International Union for Circumpolar Health
- **Arja Rautio**, Vice-President Research at the University of the Arctic, University of Oulu
- **Yngvar Thomassen**, Senior Adviser, Department of Chemical and Biological Work Environment, National Institute of Occupational Health (STAMI)

Front row participants:

- **Ashild Andreassen**, Senior Scientist, Department of Virology, Norwegian Institute of Public Health
- **Galina Degteva**, Director, Research Institute of Arctic Medicine, Northern State Medical University of the Ministry of Health of the Russian Federation
- **Areg Totolian**, Director, Institut Pasteur in St. Petersburg for Research in Epidemiology and Microbiology of Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing

10:00–11:30

Congress Centre
Conference hall D1

The Open Ocean

The Northern Sea Route – The Key to the Development of the Russian Arctic

In partnership with the State Atomic Energy Corporation ROSATOM

The Northern Sea Route is the most direct transport corridor linking Asia and Europe. It is also a core Arctic economic project for Russia. Russian President Vladimir Putin has set a goal of increasing freight traffic from 20 million tonnes to 80 million tonnes in five years. Plans to develop the Northern Sea Route and support shipping envisage the creation of a port infrastructure and a fleet which includes icebreakers. These plans must be in sync with other plans to develop Arctic regions, centres of economic growth, and other forms of transport. What's more, the Northern Sea Route is a major, multifunctional transport and logistics project, which means that modern management methods are needed. Issues regarding navigational and hydrographic support, and ensuring shipping safety along the Northern Sea Route are also of key consideration. Meteorological, hydrological and ice-related services are being developed and implemented, and inroads are being made in a number of other areas. These include promising radio communications setups for rescue operations, pilotless aircraft to conduct monitoring and ice patrol operations, and GIS. What are the prospects for expanding the logistics potential of the Northern Sea Route? How can the development of the Northern Sea Route's infrastructure be synchronized with new investment projects? How can the Northern Sea Route be integrated with the region's infrastructure network? How can safe and year-round navigation along the Northern Sea Route be ensured?

Moderator:

- **Dmitry Schugorev**, Anchor, Russia 24 TV Channel

Panellists:

- **Maxim Akimov**, Deputy Prime Minister of the Russian Federation
- **Dmitry Artyukhov**, Governor of Yamalo-Nenets Autonomous Region
- **Sergey Frank**, Chief Executive Officer, Chairman of the Executive Board, Sovcomflot
- **Park Heung Kyeong**, Ambassador for Arctic Affairs, Ministry of Foreign Affairs of the Republic of Korea
- **Konstantin Kosachev**, Chairman of the Council of the Federation of the Russian Federation Committee on Foreign Affairs
- **Alexander Kozlov**, Minister for the Development of the Russian Far East and Arctic
- **Alexey Likhachev**, Chief Executive Officer, State Atomic Energy Corporation ROSATOM
- **Leonid Mikhelson**, Chairman of the Management Board, Member of the Board of Directors, NOVATEK
- **Alexander Tsybulskiy**, Governor of Nenets Autonomous Region

Front row participants:

- **Andrey Chibis**, Acting Governor of Murmansk Region
- **Alexander Drozdenko**, Governor of Leningrad Region
- **Nikolay Kharitonov**, Chairman of the Committee for Regional Policy and Issues of the North and Far East, State Duma of the Federal Assembly of the Russian Federation
- **Roman Kopin**, Governor of Chukotka Autonomous Area
- **Igor Orlov**, Governor of Arkhangelsk Region
- **Oleg Ryazantsev**, Deputy Minister of Industry and Trade of the Russian Federation
- **Yury Tsvetkov**, Deputy Minister of Transport of the Russian Federation; Head, The Federal Agency for Maritime and River Transport

10:00–11:30

Congress Centre
Conference hall D2

The Open Ocean

Arctic Shelf Development: The Potential and the Risks

Hydrocarbon prospecting and production is an area of strategic importance for the commercial development of the Arctic, given the huge potential of the basins of the continental shelf. It is also an area which comes with a high degree of economic risk, but is nevertheless crucial for replenishing the nation's natural resource base and for the development of the Arctic. The development of offshore fields in the Arctic requires new technology and equipment, as well as geological prospecting work. All this translates to a significant investment of time and money. It therefore depends on close collaboration between extraction companies in Russia and international partners. The situation is complicated by the fact that various companies are in need of essentially unique technological solutions. What barriers are hindering the development of the shelf, and how feasible is it to remove them? What incentives could be put in place for the private sector to become more involved in geological prospecting work on the shelf?

Moderator:

- **Maksim Nechaev**, Director for Consulting, IHS Markit Russia

Panellists:

- **Evgeniy Ambrosov**, Senior Executive Vice-President, Member of the Management Board, Sovcomflot; Deputy Chairman, Member of the Executive Committee, Arctic Economic Council
- **Mikhail Grigoryev**, Director, co-owner, Geological Consulting Center "GECON"
- **Denis Khramov**, First Deputy Minister of Natural Resources and Environment of the Russian Federation
- **Pavel Sorokin**, Deputy Minister of Energy of the Russian Federation
- **Peter Stewart**, Chief Energy Analyst, Interfax Global Energy

10:00–11:30

Pavilion F
Conference Hall F1

Sustainable Development

The Arctic: A Region of Rivalry or Cooperation?

In recent times, the Arctic has invariably been a core topic of discussion. A range of circumstances are behind this increasing focus on the Arctic, from the macroregion's geopolitical and strategic role (as a space where the interests of nuclear superpowers intersect), to its economic potential (with regards resources and transport routes), to environmental challenges (global warming). In the coming decades, the Arctic could serve as a major repository of energy resources, and one of the planet's key transport arteries. It is therefore unsurprising that the interests of numerous countries – both in the Arctic and beyond – are tied to the region. Security is another major factor. All Arctic nations have some form of military programme, as do other powers interested in expanding to the North.

Topics for discussion at this session will include regional approaches taken by Arctic Council nations,

opportunities to collaborate on lowering underlying tensions and confrontational rhetoric, and focusing on a positive agenda. Particular attention will be given to cross-border and interregional cooperation in the economic and humanitarian fields.

Moderator:

- **Sophie Shevardnadze**, Journalist, Anchor

Panellists:

- **Artur Chilingarov**, Special Presidential Representative for International Cooperation in the Arctic and Antarctic; President, Association of Polar Explorers
- **Arken Imirbaki**, Vice Chairperson of the Standing Committee of the National People's Congress
- **Sergey Lavrov**, Minister of Foreign Affairs of the Russian Federation
- **Anders Samuelsen**, Minister of Foreign Affairs of the Kingdom of Denmark
- **Ine Marie Eriksen Søreide**, Minister of Foreign Affairs of the Kingdom of Norway

10:00–11:30

Pavilion F
Conference Hall F3

Sustainable Development

Future Arctic: Sustainable Solutions

The Arctic is becoming increasingly significant. The region's environment is altering rapidly, and climate change is already a reality. While this creates challenges, it also provides new opportunities. Security and sustainable development in the Arctic are vital. Arctic nations are particularly responsible for collaborating on enduring solutions. Black carbon emissions are a major contributing factor to warming in the Arctic. Technologies which can effectively reduce emissions already exist, and they not only offer health and environmental benefits, but economic ones too. What steps need to be taken in the Arctic to respond to current challenges? What examples of clean energy exist in the region? What needs to be done to facilitate the transition to cleaner fuel, particularly liquefied natural gas in Arctic shipping?

Moderator:

- **Alistair Clark**, Managing Director of the Environment and Sustainability Department, European Bank for Reconstruction and Development

Panellists:

- **Roy Angelvik**, State Secretary for the Minister of Trade, Industry, and Fisheries of the Kingdom of Norway
- **Marie-Anne Coninx**, Ambassador at Large for the Arctic, European External Action Service
- **Patricia Espinosa Cantellano**, Executive Secretary, United Nations Framework Convention on Climate Change (UNFCCC)
- **Jaakko Henttonen**, Special Adviser, Ministry for Foreign Affairs of the Republic of Finland
- **Mikael Hildén**, Chair of Expert Group on Black Carbon and Methane, Arctic Council; Director of Climate Change Programme, Finnish Environment Institute
- **Dmitry Kobylkin**, Minister of Natural Resources and Environment of the Russian Federation
- **Lev Levit**, Representative of the Governor of the Arkhangelsk Region for the Development of the Arctic
- **Hannele Pokka**, Permanent Secretary, Ministry of Environment of the Republic of Finland; Chair of the Northern Forum (2001–2005)
- **Arto Raety**, Senior Vice President, Corporate Affairs and Communications, Fortum Corporation
- **Magnus Rystedt**, Managing Director, Nordic Environment Finance Corporation
- **Igor Tonkovidov**, Executive Vice President, Chief Technical Officer, Sovcomflot
- **Tero Vauraste**, Chairman, Arctic Economic Council; President, Mariadi Oy

12:00–13:30

Congress Centre
Conference hall B1

Coastal Territories

Small Business, Big Potential

Running a small or medium-sized business in the Arctic brings its own challenges, which the government needs to take into consideration when creating (primarily at the regional level) a policy to support them. For a small business in the region to be competitive, the requisite infrastructure needs to be in place, and it needs to be of a high quality. This encompasses support for logistics, roads, an electric grid, utilities, and air/port access for supplies. It also depends on government regulation in areas such as rates for electrical power and hardship allowances. An individual approach is required in single-industry towns in the Arctic, where small and medium business provide a way to solve issues connected to employment and diversifying local economies. How can people living in the region be encouraged to start their own businesses? What can be done to engage the interest of young people, thereby reducing migration?

What forms of support should be made available to small and medium business in the Arctic? What should be done to make SMEs in the Arctic more competitive? How can SMEs get involved in infrastructure projects?

Moderator:

- **Alexey Bobrovsky**, Head of the Economic Programme, Russia 24 TV Channel

Panellists:

- **Oleg Dubnov**, Vice President, Executive Director, Cluster of Energy Efficient Technologies, Skolkovo Foundation
- **Olga Epifanova**, Deputy Chair, The State Duma of the Federal Assembly of the Russian Federation
- **Alexander Kalinin**, President, All-Russian Non-Governmental Organization of Small and Medium-Sized Businesses OPORA RUSSIA
- **Sergey Katyrin**, President, Chamber of Commerce and Industry of the Russian Federation
- **Svetlana Rubashkina**, Director, Norilsk Development Agency
- **Vladimir Solodov**, Chairman of the Government of Sakha Republic (Yakutia)
- **Vadim Zhivulin**, Deputy Minister of Economic Development of the Russian Federation

Front row participant:

- **Ivan Kulyavtsev**, Minister of Economic Development of Arkhangelsk Region

12:00–13:30

Congress Centre
Conference hall D2

The Open Ocean

Production and Use of LNG in the Arctic

Liquefied natural gas is one of the gas industry's most promising markets. The launch of LNG projects on the Yamal Peninsula is providing Russia with a genuine chance of becoming one of the world leaders in the market. In fact, LNG is expected to make up half of the total amount of freight transported along the Northern Sea Route. In addition, work is under way to develop technologies which will lead to a reduction in capital expenditure and the creation of a technological base for LNG projects in Russia. Which projects in this field are of international significance, and what steps are needed to implement them? What impact are these projects having on the region's economy? How can LNG production be rolled out in the Russian Arctic? What potential is there for the localization of large-capacity LNG liquefaction technology?

Moderator:

- **Ryan Chilcote**, TV Host, Special Correspondent, PBS NewsHour

Panellists:

- **Dmitry Artyukhov**, Governor of Yamalo-Nenets Autonomous Region
- **Kirill Dmitriev**, Chief Executive Officer, Russian Direct Investment Fund (RDIF)
- **Dmitry Kobylkin**, Minister of Natural Resources and Environment of the Russian Federation
- **Arnaud Le Foll**, Total Country Chair Russia; General Director, Total Exploration and Production Russie
- **Alexander Novak**, Minister of Energy of the Russian Federation

Front row participant:

- **Valery Seleznev**, First Deputy Chairman of the Committee on Energy, The State Duma of the Federal Assembly of the Russian Federation

12:00–13:30

Congress Centre
Conference hall D3

Sustainable Development

Extracting Solid Mineral Deposits in the Arctic: Increasing Investment Appeal

The history of the industrial development of the Russian Arctic is not only inextricably linked to the extraction and processing of liquid hydrocarbons, but also solid mineral deposits. Today, with government support, projects to develop new solid mineral deposits are well under way, including for gold, copper, lead, zinc, nickel, silver, platinum, tin, and coal. Additional mechanisms are also being put in place to foster ongoing development in the sector. Given the tough geological and climatic conditions in the region, one of the government's most important tasks is to draw up an effective regulatory framework to encourage companies to set up operations in the region, boost geological prospecting work, protect the environment, and promote the efficient use of subsoil resources. What measures could the government implement to ensure the profitability of mining projects in the Arctic? What specific steps need to be taken to increase the level to which the Arctic is studied?

Moderator:

- **Mikhail Grigoryev**, Director, co-owner, Geological Consulting Center "GECON"

Panellists:

- **Victor Kudinov**, General Director, Regional Mining Company
- **Alison LeClaire**, Director General, Circumpolar Affairs and Eastern Europe & Eurasia Relations, Global Affairs Canada
- **Sergey Neruchev**, Chief Executive Officer, AGD DIAMONDS
- **Igor Semenov**, Executive Director, First Ore Mining Company
- **Roman Trotsenko**, Founder, Chairman of the Board of Directors, AEON Corporation
- **Michiel van Akkooi**, Senior Vice President for Government Relations, Kinross Gold Corporation

12:00–13:30

Congress Centre
Conference hall D4

The Open Ocean

Developing Port Infrastructure in the North

In partnership with the Rosmorport

In line with increasing volumes of domestic and international freight, plans are in place to increase the capacity of sea ports in the Russian Arctic. This will primarily concern transport of hydrocarbons, coal, ores, and metals. A number of ports in the Arctic offer potential, including Sabetta, Lavna, Vykhodnoy, Kola, Dudinka, Dikson, Indiga, and Kandalaksha, amongst others. However, not all of them have been included in the comprehensive plan to expand and modernize transport infrastructure by 2024. Consensus has yet to be reached in the expert community or government as to which ports could be characterized as key hubs for the development of freight transport along the Northern Sea Route, ensuring safe navigation, and providing supplies to the North. What might be the consequences of increasing trans-shipment volumes in the Arctic basin? How can technological effectiveness and safety be ensured in the functioning of port infrastructure? What support measures for ports in the Arctic need to be introduced today? Might it be possible to apply free port status to key locations, as per Vladivostok?

Moderator:

- **Pavel Seleznev**, Chairman, Public-Private Partnership Development Center; Chairman of the Board of Directors, Avtodor-Invest

Panellists:

- **Mikhail Bazhenov**, Partner, Capital Projects & Infrastructure, Debt Advisory Leader, PwC
- **Ruslan Davydov**, First Deputy Head, Federal Customs Service of Russia
- **Ólafur Ragnar Grímsson**, Chairman, Arctic Circle
- **Eduard Gudkov**, Deputy Chairman of the Management Board, NOVATEK
- **Denis Ilatovskiy**, Deputy General Director, Director for Logistics, SUEK
- **Mikhail Konstantinov**, Executive Vice President, Gazprombank (Joint Stock Company); General Director, Electronic Trading Platform GPB
- **Andrey Lavrishev**, General Director, Rosmorport
- **Vladislav Onishchenko**, Head, Analytical Center for the Government of the Russian Federation
- **Igor Orlov**, Governor of Arkhangelsk Region
- **Vyacheslav Ruksha**, Deputy Director General – Director for the Northern Sea Route Directorate, State Atomic Energy Corporation ROSATOM
- **Dmitry Tvardovsky**, First Deputy General Director, VEB Infrastructure

12:00–13:30

Pavilion F
Conference Hall F1

Sustainable Development

National Projects in the Russian Arctic: Implementation Mechanisms

The interests of the Arctic are not only reflected in the comprehensive plan to expand and modernize transport infrastructure by 2024. The geo-strategic importance that Russia places on the macroregion has led to it occupying a special place in 12 national projects set out by President Vladimir Putin. These cover demography, healthcare, education, housing and the urban environment, ecology, safe and high-quality roads, workforce productivity and supporting employment, science, the digital economy, culture, small and medium enterprise, and international cooperation and exports. What measures do the national projects set out for regions in the Arctic? How will they affect the region's economy and quality of life? Are these measures sufficient, or are additional resources required?

Moderator:

- **Maxim Filimonov**, Deputy Chief Executive Officer, Chief Editor, TASS Russia

Panellists:

- **Dmitry Artyukhov**, Governor of Yamalo-Nenets Autonomous Region

- **Andrey Chibis**, Acting Governor of Murmansk Region
- **Roman Kopin**, Governor of Chukotka Autonomous Area
- **Alexander Kozlov**, Minister for the Development of the Russian Far East and Arctic
- **Mikhail Margelov**, Vice President, Transneft
- **Aysen Nikolaev**, Head of Sakha Republic (Yakutia)
- **Arthur Parfenchikov**, Head of the Republic of Karelia
- **Vladimir Yakushev**, Minister of Construction, Housing and Utilities of the Russian Federation

12:00–13:30

Pavilion F
Conference Hall F3

The Open Ocean

Opportunities and Risks for the Ocean Economy: Ensuring Sustainable Use of the World Ocean's Natural Riches

In partnership with Rosgeologia

Throughout history, the seas and oceans have played a vital role in trade between nations and as a provider of resources and ecosystem services, thereby boosting development. As a result of economic growth and a rising population, the world needs more ocean resources and services. There is a strong interlinkage between clean and healthy oceans, sustainable resource use, and economic growth. Sustainable management and use of the world's oceans are therefore crucial for our future. The World Ocean's resources offer huge potential as a source of food, energy, and raw materials. However, current trends indicate that the ecosystem of the World Ocean is deteriorating. The ocean, and coastal waters in particular, are suffering due to mankind's actions, including increasing maritime activity and exploitation of the ocean's resources. In order to achieve UN Sustainable Development Goal 14 on the conservation and sustainable use of the oceans, seas, and marine resources, coastal states need to work together to manage shared sea areas. All nations have raised their technological safety requirements for activities and projects in order to better manage environmental risks. The desire to preserve the ecosystem has also led to more stringent requirements and protection measures. How should a system ensuring the sustainable use of the ocean and its resources look? What measures should be taken to preserve and replenish natural riches? What role should bilateral and multilateral collaboration between nations and scientific communities play? What success stories could we learn from in this respect?

Moderator:

- **Maxim Safonov**, Director, Green Capital Alliance; Professor, Russian Presidential Academy of National Economy and Public Administration (RANEPA)

Key note:

- **Erna Solberg**, Prime Minister of the Kingdom of Norway

Panellists:

- **Roy Angelvik**, State Secretary for the Minister of Fisheries, Ministry of Trade, Industry and Fisheries of the Kingdom of Norway
- **Artur Chilingarov**, Special Presidential Representative for International Cooperation in the Arctic and Antarctic; President, Association of Polar Explorers
- **Vyacheslav Fetisov**, First Deputy Chairman of the Committee on Physical Culture, Sport, Tourism, and Youth Affairs, The State Duma of the Federal Assembly of the Russian Federation; Patron for Polar Regions, United Nations Environment Programme
- **Jose Maria Figueres**, President of the Republic of Costa Rica (1994-1998); Founder, Antarctica2020; Co-Founder, Ocean Unite
- **Sergey Gorkov**, General Director, Chairman of the Management Board, Rosgeologia
- **Antonio Navarra**, President, Euro-Mediterranean Centre on Climate Change (CMCC)
- **Alexander Sergeev**, President, Russian Academy of Sciences
- **Riccardo Valentini**, Nobel Peace Prize Laureate; Professor, University of Tuscia

Front row participants:

- **Geir Huse**, Research Director, Marine Ecosystem and Resources, Institute of Marine Research
- **Evgeny Kiselev**, Deputy Minister of Natural Resources and Environment of the Russian Federation - Head of the Federal Agency for Mineral Resources
- **Ruslan Novikov**, General Director, Argumenty I Factly
- **Peter Winsor**, Director of Arctic Programme, World Wildlife Fund Canada

14:00–16:00

Congress Centre
Plenary session hall

Plenary Session
The Arctic. An Ocean of Opportunity

Address by President of the Russian Federation Vladimir Putin
Address by President of the Republic of Finland Sauli Niinistö
Address by President of the Republic of Iceland Guðni Th. Jóhannesson
Address by Prime Minister of the Kingdom of Norway Erna Solberg
Address by Prime Minister of the Kingdom of Sweden Stefan Löfven

Moderator:

- **John Fraher**, Senior Executive Editor for Global Business and Finance, Bloomberg

16:30–18:00

Congress Centre
Conference hall B1

The Open Ocean

Transport Connectivity: The Arctic, Far East, Siberia, and the Urals

Transport connectivity is of major importance for the development of the transport system in the Arctic. It can help achieve regional integration and provide for the needs of the local population, business, rescue services, research expeditions, and tourism. The development of provincial transport links will make settlements more accessible and facilitate the transportation of industrial goods, including those carried by international freight dispatchers. In order to create a new model for economic growth in Russia and ensure quality of life, it is crucial to build transport links between the Arctic, Siberia, the Urals, and the Far East. How can effective transport links between macroregions be put in place? What other projects in this area are of strategic importance? How can provincial transport links be connected to key routes? Are there any opportunities to optimize intermodal transport in the Arctic?

Moderator:

- **Vladislav Onishchenko**, Head, Analytical Center for the Government of the Russian Federation

Panellists:

- **Alexey Alsufyev**, First Deputy Governor, Chairman of the Government of the Arkhangelsk Region
- **Nikolay Kharitonov**, Chairman of the Committee for Regional Policy and Issues of the North and Far East, State Duma of the Federal Assembly of the Russian Federation
- **Igor Malygin**, Director, Solomenko Institute of Transport Problems of the Russian Academy of Sciences
- **Sergei Menyailo**, Plenipotentiary Presidential Envoy in the Siberian Federal District
- **Dmitriy Repin**, Project Manager, Unified Protected Information and Telecommunication System of the Transport Complex of the Arctic Zone of the Russian Federation
- **Pavel Seleznev**, Chairman, Public-Private Partnership Development Center; Chairman of the Board of Directors, Avtodor-Invest
- **Vladimir Shchelokov**, Chief Executive Officer, Interregional Company Belkomur
- **Tero Vauraste**, Chairman, Arctic Economic Council; President, Mariadi Oy

Front row participants:

- **Kansuke Nagaoka**, Ambassador in charge of Policy Planning and International Security Policy, Deputy Assistant Minister of Foreign Policy Bureau, Ministry of Foreign Affairs of Japan
- **Yulia Zvorykina**, Director, Institute for Research and Examination of Vnesheconombank

16:30–18:00

Congress Centre
Conference hall D1

Coastal Territories

Digitization and the Future of Connectivity in the Arctic

An objective has been set for the Russian economy to undergo a digital transformation, which will in part involve building an IT infrastructure. The environmental conditions of the Arctic make it ideal for building data centres capable of processing and storing huge amounts of data needed by government bodies and private companies. In addition, the development of geoinformation services is continuing apace. These will enable regions and business activity to be better managed, and infrastructure facilities to be monitored for changes. They will also provide new opportunities to search for mineral resources. At the same time, the lack of connectivity in some regions of the Arctic is continuing to lead to digital inequality among the population, and is hindering the development of local businesses. What can be done to ensure that the Arctic is not left by the wayside during efforts to completely digitize the economy and state? What initiatives are under way to achieve the primary goal of providing affordable and stable internet connectivity to people in the Arctic? Can the climatic advantages offered by the region be

leveraged today to develop new industries? What form will the Arctic's information and telecommunications infrastructure take in the near future?

Moderator:

- **Andrey Chibis**, Acting Governor of Murmansk Region

Panellists:

- **Andrey Balatsenko**, Vice President, Director of the North-West Macroeconomic Branch, Rostelecom
- **Heidar Gudjonsson**, Vice Chairman, The Arctic Economic Council (AEC)
- **Aysen Nikolaev**, Head of Sakha Republic (Yakutia)
- **Dmitry Pristanskov**, State Secretary – Vice-President, MMC NORILSK NICKEL
- **Dmitry Purim**, Chairman of the Management Board, Sovfracht
- **Valentina Rudchenko**, Member of the Committee of the State Duma of the Russian Federation on Regional Policy and Problems of North and Far East
- **Cristina Serrano Leal**, Director General for International Economic Relations, Ministry of Foreign Affairs, European Union and Cooperation of Spain
- **Ekaterina Solntseva**, Chief Digital Officer, State Atomic Energy Corporation ROSATOM
- **Marjukka Vihavainen-Pitkanen**, Co-Chairman, The Task Force on Improved Connectivity in the Arctic
- **Vladimir Yakushev**, Minister of Construction, Housing and Utilities of the Russian Federation

Front row participant:

- **Ivan Boltenkov**, Deputy Governor of the Nenets Autonomous Region

16:30–18:00

Congress Centre
Conference hall D2

[Coastal Territories](#)

Russia's Support for Private Investment in the Arctic: A New Approach

In partnership with Oil & Gas Holding

More than 100 investment projects worth more than USD 130 billion have been initiated in the Russian Arctic. Together they encompass natural resource production, forestry and fisheries, developing sea ports, and railway infrastructure. Less than half of these have reached the active implementation stage. Conditions for investing and doing business in the Arctic are tougher, and the risks and costs involved are higher than in the rest of Russia. Access to advanced technology for working in Arctic conditions is limited. However, realizing the investment potential of the Arctic could lead to a breakthrough in Russia's overall economic development. What needs to be done to unlock the investment potential of the region and win over investors? How will the new incentive system for investment projects in the Arctic look?

Moderator:

- **Alexander Ivlev**, CIS Managing Partner, Deputy Regional Accounts Leader for Central, Eastern and Southeastern Europe & Central Asia, EY

Panellists:

- **Alexander Kozlov**, Minister for the Development of the Russian Far East and Arctic
- **Leonid Mikhelson**, Chairman of the Management Board, Member of the Board of Directors, NOVATEK
- **Andrey Patrushev**, Deputy Chief Executive Officer, Shelf Projects Development, Gazprom Neft
- **Roman Trotsenko**, Founder, Chairman of the Board of Directors, AEON Corporation
- **Yury Trutnev**, Deputy Prime Minister of the Russian Federation and Presidential Plenipotentiary Envoy to the Far Eastern Federal District

Front row participant:

- **Alexander Tsybulskiy**, Governor of Nenets Autonomous Region

16:30–18:00

Congress Centre
Conference hall D3

The Open Ocean

Shipbuilding: Achievements and Innovation

In partnership with Rosneft

Russia's civil maritime fleet in the Arctic has grown noticeably in recent years. However, shipbuilding needs to continue in order to increase the amount of freight transported along the Northern Sea Route. The industry also needs to provide vessels for ice escort, navigation technical support, rescue operations, fishing, and cruise travel. Particular attention has been given to constructing a fleet of nuclear-powered icebreakers in order to increase opportunities for commercial navigation in the Russian Arctic. Four LNG-powered icebreakers are planned to be constructed by 2024, enabling year-round commodity shipments to be made from the port of Sabetta. A number of promising advancements are currently under development. These include engines powered on cheaper and more environmentally friendly forms of fuel, materials and constructions, on-board systems, and technology which will help protect vessels from ice and reduce the overall impact of ice. Work is also under way in innovative areas such as autonomous and remote control of large vessels in order to transport hazardous freight and lower transportation costs. How will the arctic maritime fleet look in the near future? What innovations and technologies in shipbuilding could already be introduced? What best international practices could be applied in Russia?

Moderator:

- **Olga Surikova**, Head of Far East Practice, KPMG in Russia and the CIS

Panellists:

- **Evgeny Appolonov**, General Director, Lazurit Central Design Bureau
- **Mustafa Kashka**, General Director, Atomflot
- **Kirill Molodtsov**, Aide to the Chief of Staff, Presidential Executive Office
- **Yury Tsvetkov**, Deputy Minister of Transport of the Russian Federation; Head, The Federal Agency for Maritime and River Transport

Front row participants:

- **Yury Gabdrafikov**, Deputy Director General for Research and Production Activities, Shipbuilding and Shiprepair Technology Center
- **Alexey Oryshchenko**, Director General, National Research Centre 'Kurchatov Institute' – Prometey Central Research Institute of Structural Materials
- **Alexander Ryzhkov**, General Director, Chief Designer, Iceberg Central Design Bureau
- **Oleg Timofeyev**, Deputy General Director for Shipbuilding and Marine Engineering, Krylov State Research Centre

16:30–18:00

Congress Centre
Conference hall D4

Sustainable Development

Arctic Researchers' Dialogue

In order to deliver effective results, the development of the Arctic must take place on a fundamentally new scientific basis. The Arctic Scientific Cooperation Agreement is one the effective mechanisms by which to achieve this. What are the specificities of implementing the agreement at a national level? What additional steps could be taken at a national and international level to develop and deepen broad-based international research of the macroregion?

Moderator:

- **Vladimir Pavlenko**, Vice President, International Arctic Science Committee (IASC)

Panellists:

- **Artur Chilingarov**, Special Presidential Representative for International Cooperation in the Arctic and Antarctic; President, Association of Polar Explorers
- **Katarina Gardfeldt**, Director General, Swedish Polar Research Secretariat
- **Alexey Gvishiani**, Member of the Russian Academy of Sciences; Chairman, Scientific Council for the Study of the Arctic and Antarctic, Russian Academy of Sciences
- **Paula Kankaanpaa**, Vice President, International Arctic Science Committee (IASC); Director, Marine Research Centre, Finnish Environment Institute
- **Heidemarie Kassens**, Vice Chairman of the Marine Working Group, International Arctic Science Committee (IASC)
- **Sergey Krivovichev**, Chairman, Federal Research Center "Kola Science Center of the Russian Academy of Sciences"
- **Andrey Petrov**, President, International Arctic Social Sciences Association (IASSA); Professor, University of Northern Iowa

- **Vladislav Petrov**, Director, Institute of Geology of Ore Deposits, Petrography, Mineralogy and Geochemistry of the Russian Academy of Sciences; Corresponding Member, Russian Academy of Sciences
- **Lars-Otto Reiersen**, Senior Advisor to the Rector at the University of Tromsø, UiT The Arctic University of Norway
- **Aleksandr Savenkov**, Director, Institute of State and Law, Russian Academy of Sciences
- **Alexander Sergeev**, President, Russian Academy of Sciences

16:30–18:00

Pavilion F
Conference Hall F1

Coastal Territories

Healthcare in the Arctic: Two Years' Progress and New Objectives

Russia's Arctic regions play a vital role in achieving the goal of increasing the nation's life expectancy to 78 years by 2024. The development of the Northern Sea Route presents a new challenge – how can these coastal regions be made more attractive for new workers and their families? Vital to the success of these objectives, just like in other federal subjects, is access to high-quality medical care, preventative health programmes, increasing prosperity, and teamwork. However, these objectives will need to be achieved in the more difficult conditions of the Arctic and faster than in the regions located below the 60th parallel. What successes have Russia's Arctic regions seen in the last two years? How has the problem of insufficient medical staff in Arctic territories been addressed in Russia and abroad? What have been the successes and problems related to the integration of telemedicine technology in the Arctic? What unique issues does patient routing in the Northern territories face? How can we foster teamwork in addressing public healthcare issues on a regional and municipal level? What are the priority scientific and research plans for improving the healthcare in the Arctic?

Moderator:

- **Evelina Zakamskaya**, Editor-in-Chief, Doctor Channel; Anchor, Russia 24

Panellists:

- **Anne Husebekk**, Rector, UiT – The Arctic University of Norway
- **Evgeny Kamkin**, Deputy Minister of Healthcare of the Russian Federation
- **Kyoesti Oikarinen**, Chairman, City Board of Oulu
- **Arja Rautio**, Vice-President Research at the University of the Arctic, University of Oulu
- **Peter Sköld**, Director, Arctic Research Centre at Umeå University (Arcum)
- **Vladimir Solodov**, Chairman of the Government of Sakha Republic (Yakutia)
- **Guzel Ulumbekova**, President of the Board, Association of Medical Societies for Quality of Medical Care and Medical Education; Head, Higher School of Healthcare Organization and Management

Front row participants:

- **Dmitry Berezin**, Minister of Health of the Komi Republic
- **Igor Bobrovnikski**, Deputy Director, Center for Strategic Planning and Management of Biomedical Health Risks of the Ministry of Health of the Russian Federation; Head of the Public Commission for the Direction "Arctic Medicine", Association of Polar Explorers (ASPOL)
- **Vitaly Denisov**, Minister of Health of the Krasnoyarsk Territory
- **Anton Karpunov**, Minister of Health of the Arkhangelsk Region
- **Igor Mosyagin**, Head of the Department of Marine Medicine, "Northern State Medical University" of the Ministry of Healthcare of the Russian Federation

16:30–18:00

Pavilion F
Conference Hall F3

Sustainable Development

The Arctic – The 'Weather Kitchen'

The ongoing and anticipated changes (warming) in the climate of the Arctic create new challenges and new opportunities for Russia's economy, social sphere and defense, and they require urgent adaptation efforts. In Russia, adaptation to climate change is the principal task for climate services. Countering the climate challenge requires a clear understanding of the causes, effects and prospects of climate change; in addition, it implies constant and continuous monitoring of the climate system itself, as well as assessment of climate impacts, adjustment of forecasts and monitoring the effectiveness of adaptation measures taken. Science is the key resource for adapting to climate change. When planning its adaptation, a facility (economic unit, type of economic activity or territory) does so based on scientifically proven strategies that include quantitative assessments of current and future weather and climate risks, such as current state of the climate system and future climate change scenarios, exposure and vulnerability of the facility at risk, as well as acceptable risk values based on economic and social factors.

Moderator:

- **Vladimir Kattsov**, Director, Voeikov Main Geophysical Observatory of the Russian Federal Service for Hydrometeorology and Environment Monitoring

Panellists:

- **Sylvie-Agnes Bermann**, Ambassador Extraordinary and Plenipotentiary of the French Republic to the Russian Federation
- **Ruslan Edelgeriyev**, Advisor to the President of the Russian Federation; Special Presidential Representative on Climate Issues
- **Patricia Espinosa Cantellano**, Executive Secretary, United Nations Framework Convention on Climate Change (UNFCCC)
- **Aleksey Kokorin**, Climate Change Officer, World Wildlife Fund Russia
- **Alexander Makarov**, Director, Arctic and Antarctic Research Institute
- **Igor Mokhov**, Scientific Leader, Federal State Budgetary Institution of Science A.M. Obukhov Institute of Atmospheric Physics of the Russian Academy of Sciences
- **Boris Porfiriev**, Director, Institute of Economic Forecasting, Russian Academy of Sciences (RAS)
- **Anna Romanovskaya**, Director, Yu.A. Izrael Institute of Global Climate and Ecology of the Russian Federal Service for Hydrometeorology and Environment Monitoring
- **Petteri Taalas**, Secretary-General, World Meteorological Organization
- **Roman Vilfand**, Scientific Leader, Hydrometeorological Research Center of the Russian Federation
- **Maxim Yakovenko**, Head, Federal Service for Hydrometeorology and Environmental Monitoring

18:30–20:00

Pavilion F
Conference Hall F2

[Special Events on the Sidelines of the Forum](#)

Session of the State Commission for Arctic Development

By invitation

April 10, 2019

08:00–09:15

Hilton Hotel

Business Breakfast

St. Petersburg Small Civil Shipbuilding for the Needs of the Arctic Regions of the Russian Federation

Registration is now closed

Moderator:

- **Sergey Movchan**, Advisor to the Acting Governor of St. Petersburg

Panellists:

- **Alexander Beglov**, Acting Governor of St. Petersburg
- **Sergey Gaplikov**, Head of the Republic of Komi
- **Roman Kopin**, Governor of Chukotka Autonomous Area
- **Aysen Nikolaev**, Head of Sakha Republic (Yakutia)
- **Igor Orlov**, Governor of Arkhangelsk Region
- **Arthur Parfenchikov**, Head of the Republic of Karelia
- **Alexander Tsybulskiy**, Governor of Nenets Autonomous Region

09:00–10:30

Congress Centre
Conference hall B1

[Special Events on the Sidelines of the Forum](#)

Arctic Municipalities Forum

The agenda for the 2nd Arctic Municipalities Forum will incorporate a range of topics, including the socioeconomic development of Arctic regions, inter-municipal and inter-regional collaboration, support for small and medium enterprise, improving people's quality of life, healthcare, improving education, and training personnel for the Arctic. The event will facilitate dialogue between municipal, regional, and federal government authorities. It will also help better integrate urban and rural development initiatives with Arctic nations' national and regional policies, and allow positive experience and best practices to be shared.

Moderator:

- **Lev Levit**, Representative of the Governor of the Arkhangelsk Region for the Development of the Arctic

Panellists:

- **Alexander Kozlov**, Minister for the Development of the Russian Far East and Arctic
- **Alexander Krutikov**, Deputy Minister for the Development of the Russian Far East and Arctic
- **Dmitry Volkov**, Deputy Minister of Construction, Housing and Utilities of the Russian Federation

Front row participants:

- **Oleg Belak**, Head of Municipal Formation Urban Region Naryan-Mar
- **Yuriy Dolgikh**, Head of Municipal Formation Urban Region Vorkuta
- **Galina Gavrilova**, Acting Head of Taimyrsky Dolgano-Nenets Municipal District
- **Mikhail Gmyrin**, Association Chairman, Non-Profit Organization Association Arctic Municipalities
- **Igor Godzish**, Head of Municipal Formation Arkhangelsk City
- **Yuriy Gurin**, Head of Municipal Formation Dudinka City
- **Andrey Malkhasyan**, Head of Municipal Formation Kolsky District
- **Aleksey Mikheev**, Head of Municipal Formation Municipal District Zapolyarny District
- **Mikhail Pavlov**, Head of Municipal Formation Kandalakshsky District
- **Ivan Semenov**, Head of Municipality Anabarsky National Dolgan-Evenk Ulus (District), Sakha Republic (Yakutia)
- **Igor Skubenko**, Head of Municipal Formation Severodvinsk
- **Sergey Somov**, Head of Municipal Formation Kovdorsky District

09:00–10:30

Congress Centre
Conference hall D1

Sustainable Development

Nature-Like Technologies to Meet the Needs of the Arctic

Today, the Arctic is a region of partnership in the field of nature-like technologies. As a result of interdisciplinary research, they are paving the way for environmentally friendly and autonomous sources of nuclear and alternative energy, cold-resistant and biohybrid functional materials, and technologies which can be used in waste disposal and land rehabilitation in the Arctic. What can be done to ensure the sustainable development of the Arctic through the use of nature-like technologies in energy generation and consumption? What are the prospects for innovative solutions in energy and biotechnology which could result in regions becoming self-sufficient, primarily through the use of small nuclear power plants, renewable energy sources, and food provision technology? What new materials and plasma technologies could be used for waste processing in the Arctic? What could be done in this area to rehabilitate regions of the Arctic?

Moderator:

- **Mikhail Kovalchuk**, President, National Research Centre 'Kurchatov Institute'

Panellists:

- **Vladimir Dorofeev**, Chief Executive Officer, St.Petersburg Marine Design Bureau Malachite
- **Alexander Dynkin**, President, Primakov National Research Institute of World Economy and International Relations, Russian Academy of Sciences
- **Georgiy Fokin**, Chief Executive Officer, Gazprom Transgaz St. Petersburg
- **Andrey Fursenko**, Aide to the President of the Russian Federation
- **Dmitry Kobylkin**, Minister of Natural Resources and Environment of the Russian Federation
- **Oleg Naraykin**, Vice President, National Research Centre 'Kurchatov Institute'
- **Alexey Oryshchenko**, Director General, National Research Centre 'Kurchatov Institute' – Prometey Central Research Institute of Structural Materials
- **Vladislav Panchenko**, Chairman of the Board, Russian Foundation for Basic Research (RFBR)
- **Alexey Rakhmanov**, President, United Shipbuilding Corporation
- **Vyacheslav Ruksha**, Deputy Director General – Director for the Northern Sea Route Directorate, State Atomic Energy Corporation ROSATOM
- **Oleg Ryazantsev**, Deputy Minister of Industry and Trade of the Russian Federation
- **Aleksandr Yanenko**, Director, State Research Institute of Genetics and Selection of Industrial Microorganisms of the National Research Centre 'Kurchatov Institute'

09:00–10:30

Congress Centre
Conference hall D2

Sustainable Development

The Accessible Arctic: Standards, Safety, and Sustainability

The development of new territories and the implementation of promising industrial projects, including the use of digital solutions, would not be possible without the regulatory and technical support of new technologies guaranteeing the safety and quality of products and services. Differences in production processes in national standardization and conformity assessment systems make the development of international projects in remote and hard-to-reach regions more costly, requiring additional organizational, financial, and time resources. How may overcoming technical barriers through the development of common approaches within the framework of special policies and uniform standardization and conformity assessment mechanisms help in addressing the problems of Arctic development? Are real production facilities ready, when entering this difficult market, to be competitive, and at what expense? Who and how should create the rules of the game where there are none? How may a highly sought-after infrastructure be built for the improvement of environmental sustainability and in order to create a comfortable environment for work and life in the Arctic?

Moderator:

- **Alexey Abramov**, Head, The Federal Agency on Technical Regulating and Metrology (Rosstandart)

Panellists:

- **Aleksey Besprozvannykh**, Deputy Minister of Industry and Trade of the Russian Federation
- **Dmitry Kolodyazhny**, Vice President for Technical Development, United Shipbuilding Corporation
- **Elena Kudryashova**, Rector, Lomonosov Northern (Arctic) Federal University (NArFU)
- **Dmitry Pristanskov**, State Secretary – Vice-President, MMC NORILSK NICKEL
- **Olga Shtemberg**, Chairperson, Committee for Supporting Entrepreneurship in the Field New Quality of Life and Sustainable Development, Chamber of Commerce and Industry of the Russian Federation
- **Dmitry Skobelev**, Director, Environmental Industrial Policy Centre

Front row participant:

- **Nikita Kuprikov**, Director, Polar Initiative

09:00–10:30

Congress Centre
Conference hall D3

Coastal Territories

Construction in the North: Longevity and Durability

The Arctic is a region of strategic importance to Russia. Consequently, large-scale projects to modernize and reconstruct social, industrial, residential, transport, and other infrastructure require new construction regulations which take into account the harsh conditions of the permafrost. The huge man-made impact on Arctic temperatures and the environment is leading an increased risk of buildings deteriorating or collapsing. Work will continue in 2019 to update the regulatory framework governing construction in Russia. This will primarily concern the use of new materials and technology. How should the regulatory framework governing design and construction in the Arctic look? What modern construction materials and technologies could be used to improve efficiency and lower operating costs? What should be done to organize a monitoring system for the constantly changing conditions of the permafrost?

Moderator:

- **Pavel Spirin**, Managing Director, Scientific and Research Institute of Perspective City Building

Panellists:

- **Rinat Akhmetchin**, Mayor of Norilsk
- **Andrey Basov**, Head, Federal Autonomous Institution "Federal Centre for Regulation, Standardisation and Technical Conformity Assessment in Construction"
- **Aligyushad Kerimov**, Director, Research Center for the study of permafrost "Ecofundament" named after M. Kim
- **Vladimir Pushkarev**, Deputy Chairman, The State Duma Committee for Regional Policy and Issues of the North and Far East
- **Igor Shpektor**, President, Union of Cities of the Arctic Circle and Extreme North
- **Vladimir Solodov**, Chairman of the Government of Sakha Republic (Yakutia)

Front row participants:

- **Igor Chernogolov**, President, Penetron Russia
- **Nikolay Kazakov**, Director of Research Center for Study and Control of Geodynamic Processes of Transition Zones, Special Research Bureau for Automation of Marine Researches of the Far Eastern Branch of Russian Academy of Sciences
- **Konstantin Leonidov**, Deputy Director General, Russian Scientific and Technical Centre for Information on Standardization, Metrology and Conformity Assessment

09:00–10:30

Congress Centre
Conference hall D4

Sustainable Development

Applied Research in the Arctic

Today, international scientific cooperation in the region is key for conducting research and implementing projects of global significance, which no one nation would be capable of implementing on their own. In order to develop the Arctic effectively, efforts are needed in fundamental and applied research, and the time taken to apply the resulting conclusions and recommendations needs to be as short as possible. The establishment of ties between the scientific community and the business sector is a crucial objective, as is the creation of entire research and development chains. Science diplomacy in Arctic research and projects is no mere slogan, but a vital necessity. How are the results of applied research being applied today for the needs of companies operating in the real sector? What opportunities exist to strengthen ties between science and research organizations in the macroregion? Can the Arctic serve as a platform to unite the global scientific community?

Moderator:

- **Alexander Vylegzhanin**, Editor-in-Chief, Moscow Journal of International Law

Panellists:

- **Anatoly Alexandrov**, Rector, Bauman Moscow State Technical University (National Research University)
- **Galina Antonovskaya**, Director, Seismology Laboratory, N. Laverov Federal Center for Integrated Arctic Research, Russian Academy of Sciences
- **Ole Arve Misund**, Director, Norwegian Polar Institute
- **Mikhail Filonov**, Vice-Rector for Science and Innovations, National University of Science and Technology MISiS

- **Sergey Kruglikov**, Chair, Department of Controlled System Modelling, Ural Federal University named after the First President of Russia B.N. Yeltsin
- **Lars Kullerud**, President, University of the Arctic (UARctic)
- **Alexander Makarov**, Director, Arctic and Antarctic Research Institute
- **Lyubov Nefedova**, Director, R&D Technology Centre for Additive Technologies and Materials, Almaz-Antey Air and Space Defence Corporation

Front row participants:

- **Alexander Lutovinov**, Deputy Director for Research, Space Research Institute, Russian Academy of Sciences
- **Sergey Motyzhev**, Director of the Scientific Research Department for Instrument Engineering, Federal State Budget Scientific Institution Marine Hydrophysical Institute of RAS; Director, Marlin-Yug
- **Evgeny Starozhuk**, Vice-Rector for Economic Affairs and Innovations, Bauman Moscow State Technical University (National Research University)

09:00–10:30

Pavilion F
Conference Hall F1

The Open Ocean

Key Aspects of Promising Areas of the Arctic Fishing Industry

Traditionally, fishing continues to be one of the key industries in the economy of the Arctic regions. Modern conditions dictate the need for taking a more prudent attitude towards the industry and a more rational, economic approach to fish processing, for a transition to products with high added value, and for the need for high-tech production methods, including on ships, during fishing. The development of industrial aquaculture in the Arctic region requires separate consideration. Promising areas include the development of marine terminals for integrated servicing of fishing vessels, improving port infrastructure, and the ability to deliver fish and fish products from the Far East along the Northern Sea Route. How may we preserve the unique northern territories, where fishing is the main kind of work available? What types of state support are relevant to the Arctic territories, and which of these are the most effective? What is needed in order to preserve the biodiversity of the Arctic seas, sustainable fishing, and aquaculture? What kinds of modern technologies may be used in new fishing vessels, for the development of aquaculture, and in the construction of fish processing plants in the northern territories? What are the prospects for the Northern Sea Route for the delivery of fish products? How may the attractiveness of Arctic fish ports be increased?

Moderator:

- **Ekaterina Tribilustova**, Senior Project Manager, Eurofish International Organization for the Development of the Fisheries and Aquaculture Sector in Europe

Panellists:

- **Roy Angelvik**, State Secretary for the Minister of Trade, Industry, and Fisheries of the Kingdom of Norway
- **Anton Giaever**, Deputy Director, Akvaplan-niva
- **Scott Highleyman**, Vice President, Conservation Policy and Programs, Ocean Conservancy
- **Kjell Ingebrigtsen**, Chairman of the Board, Norwegian Fishermen's Association
- **Kristjan Thor Juliusson**, Minister of Fisheries and Agriculture of the Republic of Iceland
- **Joji Morishita**, Professor, Tokyo University of Marine Science and Technology
- **Paul Nicklen**, Co-Founder, Director, SeaLegacy
- **Igor Orlov**, Governor of Arkhangelsk Region
- **Ilya Shestakov**, Deputy Minister of Agriculture of the Russian Federation; Head, Federal Agency for Fisheries (Rosrybolovstvo)
- **Liu Xinzhong**, Deputy Head, Bureau of Fisheries and Fisheries Fishery Law Enforcement, Ministry of Agriculture and Rural Affairs of the People's Republic of China

Front row participants:

- **David Benton**, Commissioner, United States Arctic Research Commission
- **Konstantin Drevetnyak**, Acting General Director, Fishing Industry Union of the North
- **Olga Kuznetsova**, Deputy Acting Governor of Murmansk Region
- **Alison LeClaire**, Director General, Circumpolar Affairs and Eastern Europe & Eurasia Relations, Global Affairs Canada
- **Liu Yingjie**, Deputy Chairman, Chinese Academy of Fishery Sciences

09:00–10:30

Pavilion F
Conference Hall F3

Coastal Territories

A Warm Welcome: Opportunities for Great Tourist Discoveries in the Arctic

Tourism offers tremendous opportunities for the Arctic and contributes to the development of territories and local communities: it stimulates entrepreneurial activity, job creation, new social infrastructure and better quality of education, and helps to popularize cultural and natural heritage.

Russia has enormous infrastructure and natural opportunities for the development of tourism in the Arctic, taking into account the importance of preserving the unique ecosystem of the region and the way of life of the small-numbered indigenous peoples of the North. At the same time, tourism requires an integrated approach, which would take into consideration the interests of all the countries of the macroregion, the scientific community, the tourism industry and tourists themselves. On the agenda is an assessment of the real effect of developing the tourism industry in the northern regions, as well as the ideal image of Arctic tourism in the future. It is clear that the entire region requires a special approach on part of the government, businesses and tourists; this includes treating nature with respect and preserving the special status of local communities. What types of tourism are likely to develop in the region most successfully, and what is their possible economic effect? How may we make amends for the negative impact of tourist areas on the environment and the life of the local population? How may an imbalance in the economies of the tourist regions be prevented?

Moderator:

- **Andrey Sokolov**, Deputy Director General, TASS Russia

Panellists:

- **Zarina Doguzova**, Head, Russian Federal Agency for Tourism
- **Alexander Kirilov**, Director, National Park Russian Arctic
- **Nikolay Pegin**, General Director, Development Corporation of Kamchatka
- **Inge Solheim**, Norwegian Traveller, Expert on Polar Regions
- **Aleksey Tikhomirov**, Deputy Executive Director, Russian Geographical Society
- **Yulia Zvorykina**, Director, Institute for Research and Examination of Vnesheconombank

Front row participants:

- **Viktorija Elias**, Director, Conservation Programmes, World Wildlife Fund Russia
- **Aleksandr Gruzdev**, Director, Wrangel Island State Nature Reserve
- **Tomas Hallberg**, Head, International Barents Secretariat
- **Valery Korovkin**, Managing Director, "21st Century Arctic" International Union of Marine Protected Areas of the Arctic and the Far East
- **Elena Kutukova**, Deputy Governor of the Arkhangelsk Region - Head of the Representative Office of the Arkhangelsk Region under the Government of the Russian Federation
- **Albina Pashkevich**, Associate Professor, Dalarna University
- **Valentina Pivnenko**, First Deputy Chairman, State Duma Committee for Regional Policy and Issues of the North and Far East
- **Carina Ren**, Associate Professor, Tourism Research Unit, Aalborg University

09:30–11:00

Congress Centre
Conference hall B2

Special Events on the Sidelines of the Forum

2nd Northern Forum Governors' Meeting

The Northern Forum is adopting the new Northern Forum Strategy 2030 and seeks to realize its potential to fully represent the regions and business partners in discussions on policies in the Arctic and beyond. What should be the approach to implementation of the new strategy in practice, at all levels? How can the new Northern Forum make more effective use of its observer status in the Arctic Council? What approach to cooperation with other major participants in the international Arctic and Northern agenda should be used by the Northern Forum? How to implement tangible and visible actions to support recognition at home and abroad? What kind of activities would allow to demonstrate the benefits of the Northern Forum membership to the regional authorities and businesses?

Moderator:

- **Alexander Tsybulskiy**, Governor of Nenets Autonomous Region

Welcoming address:

- **Aleksandr Akimov**, Chairman of the Council for the Arctic and Antarctic at the Council of Federation of the Federal Assembly of the Russian Federation; Deputy Chair, Federation Council Committee on Federal Structure, Regional Policy, Local Government, and Affairs of the North
- **Petr Gogolev**, Chairman, State Assembly II Tumen of Sakha Republic (Yakutia)
- **Nikolay Kharitonov**, Chairman of the Committee for Regional Policy and Issues of the North and Far East, State Duma of the Federal Assembly of the Russian Federation

- **Sergey Kharuchi**, Council President, Association of World Reindeer Herders
- **Nikolay Korchunov**, Ambassador-at-Large of the Ministry of Foreign Affairs of the Russian Federation
- **Anne Lammila**, Consul General of the Republic of Finland in Saint Petersburg
- **Asa Larsson-Blind**, President, Saami Council
- **Grigory Ledkov**, President, Russian Association of Indigenous Peoples of the North, Siberia, and the Far East (RAIPON)
- **Hannele Pokka**, Permanent Secretary, Ministry of Environment of the Republic of Finland; Chair of the Northern Forum (2001–2005)

Panellists:

- **Lassi Heininen**, Professor of Arctic Politics at the Faculty of Social Sciences, University of Lapland
- **Halldor Johannsson**, Director, Arctic Portal
- **Natalya Komarova**, Governor of Khanty-Mansi Autonomous Area–Yugra
- **Roman Kopin**, Governor of Chukotka Autonomous Area
- **Svein Mathiesen**, Head of Institute of Circumpolar Reindeer Husbandry, University of the Arctic
- **Alexander Mazharov**, Deputy Governor of the Yamalo-Nenets Autonomous Area
- **Aysen Nikolaev**, Head of Sakha Republic (Yakutia)
- **Alexander Pilyasov**, General Director, Regional Consulting Institute; Director, North and Arctic Economics Centre for the Study of Productive Forces
- **Kjell Stokvik**, Managing Director, Centre for High North Logistics, Nord University Business School

Front row participants:

- **Magdalena Andersson**, Governor of Västerbotten County of the Kingdom of Sweden
- **Vladimir Chlenov**, President, Regional Public Organization for Promoting the Development of Arctic Districts 'Yakutskaya Arctica' of Sakha Republic (Yakutia)
- **Aleksey Davydov**, General Director, Gazprom Geologorazvedka
- **Sergey Furgal**, Governor of Khabarovsk Territory
- **Elena Golomareva**, Chairman of the Standing Committee on Indigenous Minorities of the North and Arctic Affairs Issues, State Assembly II Tumen of the Republic of Sakha Yakutia
- **Lev Gorilovskiy**, President, Polyplastic Group
- **Vladimir Ilyukhin**, Governor of Khabarovsk Territory
- **Pentti Malinen**, Head, Regional Council of Kainuu of the Republic of Finland
- **Anders Oskal**, Secretary General, International Centre for Reindeer Husbandry (ICR); Executive Director, International Centre for Reindeer Husbandry in Kautokeino of the Kingdom of Norway
- **Vladimir Pavlenko**, Vice President, International Arctic Science Committee (IASC)
- **Nikolay Pegin**, General Director, Development Corporation of Kamchatka
- **Andrey Petrov**, President, International Arctic Social Sciences Association (IASSA); Professor, University of Northern Iowa
- **Vladimir Pushkarev**, Deputy Chairman, The State Duma Committee for Regional Policy and Issues of the North and Far East
- **Timo Rautajoki**, Chief Executive Officer, Lapland Chamber of Commerce
- **Asthildur Sturludottir**, Mayor of Akureyri, Iceland
- **Ismo Tiainen**, Director General of Administration and International Affairs, Ministry of the Environment of the Republic of Finland
- **Olga Timofeeva-Tereshkina**, Acting Executive Director, International Organization of Northern Regions the Northern Forum
- **Ragnhild Vassvik**, Chairman, Finnmark County Council of the Kingdom of Norway
- **Aleksandr Vorotnikov**, Expert for Public-Private Partnership, PORA Expert Center (Project Office for the Development of the Arctic)
- **Aleksandr Zhirkov**, First Deputy Chairman, State Assembly II Tumen of the Republic of Sakha Yakutia

11:00–12:30

Congress Centre
Conference hall B1

Sustainable Development

The North as a Cultural Brand

An important factor in encouraging the younger population to remain in the Northern regions is approved fighting the public with opportunities for their personal and professional cultural development. This important objective is related to improving standards of living through respectful communication with local communities, the preservation of local cultural languages, and their integration into an international context. One of the possible solutions for increasing the appeal of Russian Northern cities is consistently organizing interesting and high-quality cultural events that attract a local audience and strengthen horizontal professional ties in areas such as museum management and design. What factors affect the development of creative activities, what do local institutions need, and what collaboration measures does the museum sector have that could facilitate an increase in the quality of cultural services? What issues is the Northern museum community facing? Could inter-museum cooperation be integrated into the work of museum organizations in the North? What problems do creative specialists in the Arctic regions face?

Moderator:

- **Alisa Prudnikova**, Regional Development Director, National Centre for Contemporary Arts; Commissioner, Artistic Director, Ural Industrial Biennale of Contemporary Art

Panellists:

- **Natalia Fedyanina**, Director, Norilsk Museum; Organizer, Norilsk "Sowing Campaign"
- **Sofya Gracheva**, General Director, National Centre for Contemporary Arts
- **Simon Mraz**, Director, The Austrian Cultural Forum Moscow; Curator, "Lenin: Icebreaker"

11:00–12:30

Congress Centre
Conference hall D1

Coastal Territories

The Urban Environment and Technologies to Support Livelihoods in the Arctic

Comfortable living and working conditions are key to ensuring quality of life and attracting people to live in a region. Given the specific features of the Arctic, consideration needs to be given to what exactly is meant by an urban environment and Arctic urbanism in principle. What's more, numerous settlements and industrial operations located in the northern Arctic territories are cut off from other regions. This affects supplies of fuel, medication, food and essential goods which are needed for people to lead their lives and for businesses to develop – essential factors when it comes to identifying new solutions and developing technologies and innovations capable of making places safe and self-sufficient. How should a town in the Arctic be designed, and what successful cases of improving urban amenities in the region exist? Is it possible to make settlements and enterprises safe and self-sufficient? What steps need to be taken, both now and in the future, to create a comfortable environment for the population?

Moderator:

- **Stepan Svetankov**, Partner, Head of Business Finance Services, Investment and Capital Markets Division, KPMG in Russia and the CIS

Panellists:

- **Irina Alekseeva**, Head of the Department of Architecture and Urban Planning under the Head of the Republic of Sakha (Yakutia); Chief Architect of the Republic of Sakha (Yakutia)
- **Ivan Boltenkov**, Deputy Governor of the Nenets Autonomous Region
- **Yuriy Gurin**, Head of Municipal Formation Dudinka City
- **Viktor Ikonnikov**, Deputy Chairman of the Government of the Arkhangelsk Region
- **Kseniya Sukhotina**, General Director, Rusatom Smart Utilities Ltd
- **Oleg Zorya**, Head, Urban Renovations All-Russian Project

Front row participants:

- **Denis Ilatovskiy**, Deputy General Director, Director for Logistics, SUEK
- **Aysen Nikolaev**, Head of Sakha Republic (Yakutia)
- **Svetlana Rubashkina**, Director, Norilsk Development Agency
- **Yuriy Vasilyev**, Executive Director of the Arctic Technologies Institute, Moscow Institute of Physics and Technology

11:00–12:30

Congress Centre
Conference hall D2

Coastal Territories

Talking Barents: Prospects and Formats for Cooperation

Collaboration in the Barents Euro-Arctic Region has reached unparalleled heights, both at the intergovernmental and regional levels. Since it was founded, the Barents Euro-Arctic Council (BEAC) has consolidated its position as an effective international cooperation body which remains unaffected by ongoing changes in the geopolitical environment, and makes a tangible contribution to improving people's quality of life in the region. Projects are being implemented in the region, in which all parties work together to achieve strategic objectives for BEAC member states. One of the key aspects of the Barents Region Transport and Logistics project is developing the transport system and improving its efficiency. It also makes provisions to protect the environment through the creation of 'green transport' corridors. Twenty-five years of collaboration in Northern Europe has resulted in the creation of a stable zone of trust and open, constructive dialogue, which continues to this day. What are the priorities for cross border cooperation in the Barents Euro-Arctic Region today? What projects could be implemented by working together?

Moderator:

- **Tomas Hallberg**, Head, International Barents Secretariat

Panellists:

- **Magdalena Andersson**, Governor of Västerbotten County of the Kingdom of Sweden
- **Lyrvall Björn**, Ambassador for Arctic Affairs of the Kingdom of Sweden
- **Lars Georg Fordal**, Head, The Norwegian Barents Secretariat
- **Sergei Ivanov**, Special Presidential Representative for Environmental Protection, Ecology and Transport
- **Nikolay Korchnov**, Ambassador-at-Large of the Ministry of Foreign Affairs of the Russian Federation
- **Pentti Malinen**, Head, Regional Council of Kainuu of the Republic of Finland
- **Igor Orlov**, Governor of Arkhangelsk Region
- **Willy Ornebakk**, Chair of Troms County Government of the Kingdom of Norway
- **Arthur Parfenchikov**, Head of the Republic of Karelia
- **Ragnhild Vassvik**, Chairman, Finnmark County Council of the Kingdom of Norway

Front row participants:

- **Igor Semenov**, Executive Director, First Ore Mining Company
- **Kjell Stokvik**, Managing Director, Centre for High North Logistics, Nord University Business School

11:00–12:30

Congress Centre
Conference hall D3

Sustainable Development

Comprehensive Scientific and Technological Programmes and Projects for Arctic Development: A Dialogue Between Potential Partners

One of the main objectives of the Scientific and Technological Development Strategy of the Russian Federation is facilitating international scientific and technological cooperation and international integration with respect to research and technological development. These scientific and technological development priorities can be addressed through comprehensive scientific and technological programmes and projects that work through the entire innovation cycle. What comprehensive scientific and technological problems need to be addressed in order to facilitate the sustainable development of the Arctic region? How are they currently being solved and how might they be solved in the next 10 to 15 years? In what areas of scientific and technological development relevant to the sustainable development of the Arctic region have Russian scientists made discoveries that are ripe for commercialization? What scientific and technical problems relevant to the sustainable development of the Arctic region can be solved in a way that will foster international cooperation and collaboration?

Moderator:

- **Mikhail Pogosyan**, Rector, Moscow Aviation Institute (National Research University); Chairman, Commission on Education and Science, Public Chamber of the Russian Federation

Panellists:

- **Valery Buhtiyarov**, Director, Federal Research Center Boreskov Institute of Catalysis of the Russian Academy of Sciences
- **Alexey Kashin**, Member of the Council for the Priority of the Scientific and Technological Development of the Russian Federation "Transition to an environmentally friendly and resource-saving energy industry, increasing the efficiency of extraction and advanced processing of hydrocarbon raw materials, the formation of new sources, methods of energy transportation and storage"

- **Dmitry Kolodyazhny**, Vice President for Technical Development, United Shipbuilding Corporation
- **Andrey Korolev**, Deputy Director, National Research Centre "Kurchatov Institute"
- **Frode Mellemvik**, Director, High North Centre, Nord University
- **Alexander Pashali**, Director of the Department of Scientific and Technical Development and Innovations, Rosneft
- **Andrei Rudskoi**, Rector, Peter the Great St.Petersburg Polytechnic University (SPbPU)
- **Aleksandr Shelupanov**, Rector, Federal State-Funded Institution of Higher Education – Tomsk State University of Control Systems and Radioelectronics
- **Grigoriy Trubnikov**, First Deputy Minister of Science and Higher Education of the Russian Federation

Front row participants:

- **Alexey Dub**, First Deputy General Director, Science and Innovations
- **Evgeny Lupyan**, Deputy Director, Space Research Institute of the Russian Academy of Sciences
- **Taina Pihlajaniemi**, Vice Rector for Research, University of Oulu
- **Raif Vasilov**, Deputy Head of the NBICS Nature-like Technologies Complex, National Research Centre 'Kurchatov Institute'

11:00–12:30

Congress Centre
Conference hall D4

Sustainable Development

Best Educational Practices and Projects for Indigenous Children

As part of its activities within the Arctic Council (specifically, the Sustainable Development Working Group), the Russian Federation is implementing a project aimed at improving the quality of preschool education for indigenous peoples in the Arctic and subarctic. This project has drawn upon successful experience in further education. It seeks to improve the sharing of information between Arctic Council member states, analyse the most effective educational programmes and projects in partnership with the expert community and relevant non-profit organizations, prepare the minimum educational content for initiatives such as nomadic schools, and improve data collation processes as a whole. This project spearheaded by Russia is being supported by Finland and Canada as partners in the Sustainable Development Working Group. What best practices in educating the children of indigenous peoples in the Arctic exist? What other steps could be taken to support school education? What social projects to support talented children are in place in the region?

Moderator:

- **Natalia Pochinok**, Rector, Russian State Social University

Panellists:

- **Eduard Baldakov**, Chief Executive Officer in Russia and CIS Countries, English First Corporate Solutions
- **Igor Barinov**, Head, Russian Federal Agency for Ethnic Affairs
- **Natalya Komarova**, Governor of Khanty-Mansi Autonomous Area–Yugra
- **Aysen Nikolaev**, Head of Sakha Republic (Yakutia)
- **Anne Nuorgam**, Deputy Chairman, United Nations Permanent Forum on Indigenous Issues
- **Liubov Taian**, Vice Chairman – President for Russia, Inuit Circumpolar Council (ICC)
- **Boris Tarasov**, Chief Executive Officer, PORA Expert Center (Project Office for the Development of the Arctic)
- **Tuija Turunen**, Professor, University of Lapland
- **Mikhail Vedernikov**, Governor of Pskov Region
- **Nina Veysalova**, First Vice President, Russian Association of Indigenous Peoples of the North (RAIPON); Advisor to the Rector, Herzen State Pedagogical University of Russia

Front row participants:

- **Elena Kozak**, Director, Center for the Development of Innovative Teams and Projects "Creative Cluster"; Head of the Project "Arctic Youth", Taimyr College
- **Lyudmila Kudryashova**, General Director, See More
- **Sofya Unru**, Associate Professor at the Department of Ethnocultural Studies at the Institute of Northern Peoples, Herzen State Pedagogical University of Russia

11:00–12:30

Pavilion F
Conference Hall F1

Coastal Territories

Aircraft First: Developing the Aviation Sector in the Arctic

The establishment of permanent air links is key to the development of the Arctic's transport infrastructure. As well as developing a network of airfields, separate attention needs to be paid to creating an aviation fleet. This will involve the development of promising types of aircraft which will meet the needs of small-scale regional aviation. Some of these need to be capable of operating on unpaved airfields, while others will be ground-effect vehicles and seaplanes. Satellite navigation is not without its challenges too, although Russia is planning to achieve full satellite coverage for the Arctic in the near future. How can the polar aviation sector be revitalized and taken to the next level? Is the Russian aviation industry able to satisfy the demands of the Arctic? Will it be possible to provide small and medium sized airlines with access to these regions in order to run commercial flights using light aircraft, provided they pass full safety inspections and undergo certification? How will pilotless aircraft change the face of aviation in the Arctic in the near future?

Moderator:

- **Anton Koren**, General Director, Center for Strategic Development in Civil Aviation Inc. (AVIACENTER)

Panellists:

- **Dmitry Danilov**, Deputy Director General for Civil Helicopter Sales, Russian Helicopters
- **Olga Epifanova**, Deputy Chair, The State Duma of the Federal Assembly of the Russian Federation
- **Nikita Kuprikov**, Director, Polar Initiative
- **Mikhail Peresadin**, Deputy Director General, Ural Works of Civil Aviation
- **Tero Vauraste**, Chairman, Arctic Economic Council; President, Mariadi Oy

11:00–12:30

Pavilion F
Conference Hall F3

Sustainable Development

Training Specialists to Achieve Growth in the Region

A transition to digital technologies is under way, and new specialisms are emerging accordingly. The development of innovations is making employers raise their requirements for job candidates, and they have expressed their desire for training programmes to be put in place which no educational institution currently offers. What's more, the macroregion's unique environment brings with it its own requirements. As the need for certain professions arises, so the need for others disappears. Companies are launching their own teaching departments, and corporate universities and entire further education centres are appearing. These are all aimed at meeting the personnel needs of the real sector and government bodies, and increasing workforce productivity. For their part, candidates are also asking more of potential employers. What needs to be done to create a talent pool for the Arctic? What best practices in education are being applied to meet the needs of the macroregion? How can the potential of the local population be leveraged, and what career prospects exist for them today?

Moderator:

- **Elena Kudryashova**, Rector, Lomonosov Northern (Arctic) Federal University (NArFU)

Panellists:

- **Aleksandr Akimov**, Chairman of the Council for the Arctic and Antarctic at the Council of Federation of the Federal Assembly of the Russian Federation; Deputy Chair, Federation Council Committee on Federal Structure, Regional Policy, Local Government, and Affairs of the North
- **Nikita Anisimov**, Rector, Far Eastern Federal University (FEFU)
- **Sergey Aplonov**, Director, Arctic Research Centre, St. Petersburg State University
- **Sergey Baryshnikov**, Rector, Admiral Makarov State University of Maritime and Inland Shipping
- **Anne Husebekk**, Rector, UiT – The Arctic University of Norway
- **Lars Kullerud**, President, University of the Arctic (UARctic)
- **Andrey Latyshev**, Vice Rector for HR-Management and Organizational Development, Tyumen State University
- **Jouko Niinimäki**, Rector, University of Oulu
- **Anatoly Nikolaev**, Vice Rector for Natural and Technical Areas of Focus, Ammosov North-Eastern Federal University
- **Valery Salygin**, Director, International Energy Policy and Diplomacy Institute of Moscow State Institute of International Relations under the Ministry of Foreign Affairs of Russia (MIEP MGIMO)
- **Andrey Sergeev**, Rector, Murmansk Arctic State University

- **Nikolay Shabalin**, Executive Director, Marine Research Center at Moscow State University (MRC LMSU)
- **Vladimir Solodov**, Chairman of the Government of Sakha Republic (Yakutia)
- **Nikolay Vakhtin**, Professor, Head of the Center for Arctic Social Studies, European University at St. Petersburg