

# BUSINESS PROGRAMME for the International Arctic Forum

March 29–30, 2017, Arkhangelsk

Programme accurate as at March 30, 2017

March 28, 2017

## 14:00–15:00 **Opening Ceremony for New Transshipment Terminal in Murmansk**

Norilsk Nickel has completed construction on a new transshipment terminal that can process 1.5 million tonnes of container freight each year as part of the development of the Murmansk transport hub.

The opening ceremony for the new transshipment terminal at the Murmansk seaport will take place on March 28, 2017 in Murmansk in thematic coordination with the programme of the session 'The Arctic: Territory of Transport Opportunities'.

### **Panellists:**

- **Sergey Batekhin**, Senior Vice President, Norilsk Nickel
- **Marina Kovtun**, Governor of Murmansk Region
- **Viktor Olersky**, Deputy Minister of Transport of the Russian Federation

March 29, 2017

## 09:00–21:00

Vladimir Kuzin Ski  
Stadium

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

#### **'The Arctic. Made in Russia' International Youth Educational Forum**

Working in the harsh conditions of the Arctic is extremely difficult, and requires not only truly unique technological solutions, but also the availability of a professional workforce. 'The Arctic. Made in Russia' International Youth Educational Forum will bring together young professionals from diverse scientific backgrounds involved in research in the Arctic and in the North as a whole.

Over the course of the Forum, teams of young specialists will work together to create the most effective strategies for developing the 'support zones' of the Arctic region. This work will lay the foundations for the establishment of a young workforce to implement Russia's most significant projects in the Arctic.

A major objective of the Forum is therefore to encourage young specialists to consolidate and create communities of scientists and other experts, with the aim of coming up with solutions to the most significant challenges facing the development of Russia's Arctic zone, and expanding and growing the human resource potential necessary to provide a qualified workforce for Arctic projects.

## 09:00–10:30

Northern State Medical  
University  
Conference hall

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

#### **The Arctic Municipalities Forum**

During this event, Arctic municipalities will formulate an agenda to address issues of socioeconomic development in the Arctic regions, the availability of resources in municipalities, intermunicipal and interregional cooperation, support for small and medium-sized businesses, increasing standards of living for the population, and creating the necessary conditions to encourage young people to stay. The event will serve as a platform for dialogue between municipal, regional, federal, and international authorities, and for managing issues of development in the Arctic regions, improving coordination between urban and rural municipalities and the national and regional policies of Arctic states, and sharing positive experiences and best practices in these areas.

**10:30–11:30**

Lomonosov Northern  
(Arctic) Federal  
University  
Assembly hall

**Forum Opening Ceremony**

Premium Package participants may attend the event by invitation only. You can find detailed information in your Personal web office

Presentation by Dmitry Rogozin, Deputy Prime Minister of the Russian Federation  
Presentation by Artur Chilingarov, Special Presidential Representative for International Cooperation in the Arctic and Antarctic  
Presentation by Wang Yang, Vice Premier of the State Council of the Peoples' Republic of China  
Presentation by Anders Samuelsen, Minister for Foreign Affairs of Denmark  
Presentation by Gudlaugur Thór Thórdarson, Minister for Foreign Affairs of Iceland  
Presentation by Børge Brende, Minister of Foreign Affairs of Norway  
Presentation by John F. Tefft, United States Ambassador to the Russian Federation  
Presentation by Sam Tan, Minister of State, Prime Minister's Office & Ministry of Manpower, Republic of Singapore  
Presentation by Igor Orlov, Governor of Arkhangelsk Region

**12:00–13:00**

Lomonosov Northern  
(Arctic) Federal  
University  
Assembly hall

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

**Session of the State Commission for Arctic Development**

**By invitation**

The State Commission for Arctic Development was founded by the Russian Government in March 2015 in accordance with a decree issued by the Russian President.

The aim of the State Commission is to coordinate the work of federal and regional authorities and other state bodies in addressing social and economic issues in the Arctic, as well as in the areas of transport development, environmental matters, international collaboration, and national security.

Dmitry Rogozin, Deputy Prime Minister of the Russian Federation was appointed Chair of the State Commission.

Issues for discussion:

- Drafting the Russia's state programme on the socioeconomic development of the Arctic zone of the Russian Federation for the period up to 2020 and beyond
- Development of the nuclear icebreaker fleet in Russia
- Human resource development in the Arctic
- Work experience and proposals to implement priority development areas for Russia's Arctic zone
- Implementation of the provisions of the International Code for Ships Operating in Polar Waters (Polar Code) in the Russian Federation
- The Scientific and industrial potential of St. Petersburg in meeting challenges related to developing the Arctic

Meeting participants: heads of federal agencies; senior officials representing Russian regions located within the Arctic zone; Russian presidential plenipotentiary envoys to individual federal districts; representatives from the Security Council and the Presidential Administration; and other state bodies, scientific and non-governmental organizations, and businesses forming part of the State Commission for Arctic Development.

**Chairman:**

- **Dmitry Rogozin**, Deputy Prime Minister of the Russian Federation

**Panellists:**

- **Sergei Menyailo**, Plenipotentiary Presidential Envoy in the Siberian Federal District
- **Viktor Olersky**, Deputy Minister of Transport of the Russian Federation
- **Igor Orlov**, Governor of Arkhangelsk Region
- **Vasily Osmakov**, Deputy Minister of Industry and Trade of the Russian Federation
- **Georgy Poltavchenko**, Governor of St.Petersburg
- **Alexander Tsybulskiy**, Deputy Minister of Economic Development of the Russian Federation
- **Olga Vasilyeva**, Minister of Education and Science of the Russian Federation

13:30–15:00

Lomonosov Northern  
(Arctic) Federal  
University  
Assembly hall

## Science and Technology

### The Arctic: Territory of Modern Energy

The rise in global living standards and industrial output, the fight against energy poverty, and the increasing need for diversified energy sources are the key factors contributing to global demand for hydrocarbons. Its enormous fossil fuel reserves, in combination with the development of modern technologies in the fields of energy, transport, and environmental protection, enable the Arctic to be viewed as a key centre for hydrocarbon extraction.

Issues for discussion:

- What overall share of the Russian and global markets could Arctic hydrocarbons represent?
- What challenges does the development of the Arctic pose for the global community?
- How much investment is required in the economy of the Arctic regions of the Russian Federation?
- In what fields must international scientific and technological collaboration be intensified to provide fresh, strong impetus to Arctic development?
- Addressing current issues of energy supply to the Arctic regions through resolving hydrocarbon extraction challenges in the same regions

#### Moderator:

- **Sergey Brilev**, Anchor, Deputy Director, Russia TV Channel; President, Bering Bellingshausen Institute for the Americas

#### Panellists:

- **Evgeniy Ambrosov**, Senior Executive Vice-President, PAO "Sovcomflot"
- **Dmitry Bosov**, Chairman, VostokCoal
- **David Campbell**, President, BP Russia
- **Vitaly Markelov**, Deputy Chairman of the Management Committee, Member of the Board of Directors, Gazprom
- **Leonid Mikhelson**, Chairman of the Management Board, Member of the Board of Directors, NOVATEK
- **Alexander Novak**, Minister of Energy of the Russian Federation

#### Front row participants:

- **Vasiliy Bogoyavlenskiy**, Deputy Director for Research, Oil and Gas Research Institute of the Russian Academy of Sciences FSBIS
- **Natalya Komarova**, Governor of Khanty-Mansi Autonomous Area–Yugra
- **Roman Kopin**, Governor of Chukotka Autonomous Area
- **Victor Tolokonsky**, Governor of Krasnoyarsk Territory

13:30–15:00

Lomonosov Northern  
(Arctic) Federal  
University  
Hall 3

## Sustainable Development of the Arctic

### The Arctic: Territory of Ecology

One of the priorities of international cooperation in the Arctic is ensuring the protection of the environment. Major objectives with respect to environmental protection include preserving and safeguarding the Arctic's natural environment and reversing the environmental impact of economic activity in the challenging circumstances of a growing economy and global climate change. Russia adopts a responsible approach to its activities in the Arctic, and to the preservation of the Arctic's unique natural ecosystems, natural landscapes, and flora and fauna.

In recent years, several projects have been conducted on Russia's Arctic territory with the objective of reversing the impact of pollution and other negative effects on the surrounding environment caused by economic and other types of activity. These efforts have resulted in the elimination of a significant quantity of material which had posed a genuine threat to the environment.

Issues for discussion:

- Preserving biodiversity in the Arctic – the international environmental obligations of Arctic states
- Methods for predicting potential environmental damage caused by economic activity and mechanisms for preventing it
- Measures for ensuring corporate environmental responsibility in the Arctic

#### Moderator:

- **Maria Morgun**, Chief Editor, Live Planet TV; Anchor, Correspondent, Russia Television and Radio

#### Panellists:

- **David Balton**, Chair of the Senior Arctic Officials, Arctic Council
- **Elena Bezdenezhnykh**, Vice President, State Secretary, GR, Norilsk Nickel
- **Murad Kerimov**, Deputy Minister of Natural Resources and Environment of the Russian Federation

- **Dmitry Kobylkin**, Governor of Yamalo-Nenets Autonomous Area
- **Erik Solheim**, Executive Director, the United Nations Environment Programme (UNEP)

**Front row participants:**

- **Salve Dahle**, Director, Akvaplan-niva
- **Stefan Flückiger**, Ambassador, Swiss Federal Department of Foreign Affairs; Coordinator of Swiss Arctic and Science Policy
- **Alexander Frolov**, Head, Russian Federal Service for Hydrometeorology and Environmental Monitoring (Roshydromet)
- **Dmitry Gavrilov**, Deputy Director General, Rosgeo
- **Vladimir Grachev**, President, Vernadsky Nongovernmental Environmental Foundation
- **Elena Kutukova**, Acting Director, Federal Research Institute of System Analysis of the Accounts Chamber of the Russian Federation
- **Alexander Mazharov**, Deputy Governor; Director, Department of International and Foreign Economic Relations, Yamalo-Nenets Autonomous Area
- **Aleksandr Myaskov**, Director, Moscow Mining University (MISiS Mining College of MISiS)
- **Ildar Neverov**, Chairman, Committee for Ecology, Delovaya Rossiya (Business Russia)
- **Oleg Petrov**, General Director, Karpinsky Russian Geological Research Institute
- **Hannele Pokka**, Permanent Secretary, Ministry of Environment of the Republic of Finland
- **Vladimir Pushkarev**, Deputy Chairman, State Duma Committee for Regional Policy and Issues of the North and Far East
- **Liisa Rohweder**, Secretary General, World Wide Fund for Nature (WWF) Finland

**13:30–15:00**

Lomonosov Northern  
(Arctic) Federal  
University  
Hall 4

**Economic Development**

**Socioeconomic Development Mechanisms in the Arctic Macroeconomy**

Various regional development institutes – development agencies and corporations – have been set up to promote development and attract investment to the regions of the Russian Federation. These organizations help to boost regional development, implement regional development strategies, and establish regions' investment appeal. They also launch and support investment projects. What kind of projects are being supported, how are they implemented, and what obstacles do they face?

A further key issue is joint work by the regional authorities and the development agencies and corporations. Good coordination and close collaboration on the part of development agencies and corporations will inevitably facilitate the development of the Arctic macroregion.

Issues for discussion:

- The social and economic development of the Arctic zone. The implementation of key investment projects and the realities of supporting these projects
- The investment attractiveness of regions in the Arctic zone. Ensuring that investors receive a warm reception in a harsh climate
- What kind of development institute does the Arctic region need?
- The development of interregional and international cooperation on project implementation

**Moderator:**

- **Igor Orlov**, Governor of Arkhangelsk Region

**Panellists:**

- **Dmitry Artukhov**, Deputy Governor of Yamalo-Nenets Autonomous Area
- **Maria Dmitrieva**, Acting General Director, Republic of Sakha (Yakutia) Development Corporation
- **Valentina Pivnenko**, First Deputy Chairman, State Duma Committee for Regional Policy and Issues of the North and Far East
- **Timo Rautajoki**, Chief Executive Officer, Lapland Chamber of Commerce
- **Karen Stepanian**, First Deputy Director General (Sea and River Transportation), Sovfracht
- **Alexey Tukavin**, First Deputy Governor of Murmansk Region

**Front row participants:**

- **Aleksey Baryshkin**, Chief Executive Officer, Murmansk Region Development Corporation
- **Evgeny Dankevich**, Chairman of the Management Board, Member of the Supervisory Board, Bank Otkritie Financial Corporation
- **Alexander Kalinin**, General Director, Foundation Agency for Infrastructure and Industrial Development of Yamalo-Nenets Autonomous Area
- **Aleksandr Khodachek**, President of Saint Petersburg Branch, National Research University Higher School of Economics FSAEI HE
- **Alexey Kovalev**, General Director, Arkhangelsk Region Development Corporation
- **Nikolay Pegin**, General Director, Development Corporation of Kamchatka

- **Mikhail Sonkin**, Deputy Governor of Tomsk Region for Science, Education, and Innovative Policy

**13:30–15:30**

Lomonosov Northern  
(Arctic) Federal  
University  
Hall 6

### Sustainable Development of the Arctic

#### The Arctic: Territory of Transport Opportunities

Transport is a key factor in ensuring the competitiveness of enterprises in the Arctic zone; furthermore, it fulfils a social function in helping to ensure a good standard of living for the population. The direction of the macroregion's development and the Arctic's contribution to the creation of a new model for stimulating economic growth in Russia are both dependent on the extent to which its transport infrastructure can be developed and new technologies introduced. Transport is not only a sector which serves industry, but is also one of the major consumers of innovation in the Arctic zone.

The Northern Sea Route and the waters of the Arctic seas and of Russia's navigable rivers that flow into them, together with interconnecting railways, provide cargo owners with reliable delivery routes thanks to the development of intermodal hubs. The Russian Government is taking steps to ensure a high degree of transport accessibility. In the Arctic region, priority is given to transport projects which operate on the basis of public-private partnership.

Issues for discussion:

- Strategic areas for developing transport infrastructure and logistics in the Arctic
- Ensuring transport accessibility in Arctic regions, serving both passengers and freight
- International collaboration to ensure safe navigation in the Arctic

#### Moderator:

- **Yulia Zvorykina**, Director, Project Office Northern Delivery

#### Panellists:

- **Vadim Bugaev**, General Director, VostokCoal
- **Mikhail Grigoryev**, Member, Scientific Council under the Security Council of the Russian Federation
- **Alexei Rakhmanov**, President, United Shipbuilding Corporation
- **Aleksandr Roslyakov**, Chief Executive Officer, Onego Shipping
- **Maxim Sokolov**, Minister of Transport of the Russian Federation

#### Front row participants:

- **Alexey Alsufyev**, First Deputy Governor, Chairman of the Government of the Arkhangelsk Region
- **Yakov Antonov**, General Director, Northern Shipping Company
- **Sergey Batekhin**, Senior Vice President, Norilsk Nickel
- **Oddgeir Danielsen**, Director, Secretariat of the Northern Dimension Partnership on Transport and Logistics
- **Paul Fuhs**, President of the Board of Directors, Marine Exchange of Alaska
- **Arun Pratap Golaya**, Senior Defence Specialist of the Secretariat of the National Security Council
- **Ólafur Ragnar Grímsson**, Chairman, Arctic Circle
- **Alexandrs Isurins**, Chairman of the Executive Board, President, FESCO
- **Young-jun Kim**, Ambassador for Arctic Affairs, Ministry of Foreign Affairs of the Republic of Korea
- **Neil O'Rourke**, Senior Director, Safe Shipping and Economic Intelligence, Canadian Coast Guard
- **Vyacheslav Ruksha**, Director General, Atomflot
- **Kazuko Shiraishi**, Ambassador for Women, Human Rights, and Humanitarian Affairs and Ambassador in Charge of Arctic Affairs, Ministry of Foreign Affairs of Japan
- **Reko-Antti Suojanen**, Chief Executive Officer, Managing Director, Aker Arctic Technology
- **Mikhail Suslin**, Deputy Head, Internal Audit Department, Chief Marine Inspector, Sovcomflot
- **Sam Tan**, Minister of State, Prime Minister's Office & Ministry of Manpower, Republic of Singapore

**13:30–15:30**

Lomonosov Northern  
(Arctic) Federal  
University  
Hall 7

Science and Technology

### **The Arctic: Territory of Scientific Cooperation**

Joint scientific research is a vital aspect of international cooperation in the Arctic. Indeed, this has been the case since the first International Polar Year in 1882, and the concept has steadily developed since then. The International Polar Year of 2007–2008 initiated by Russia was an unprecedented success. Its results made it possible to understand and assess the scale of the changes occurring in the Arctic environment.

Among the items on the agenda is the need to further integrate the efforts of the international scientific community. These include efforts to develop practical recommendations to adapt different types of activity in the Arctic to climate change in the macroregion.

Issues for discussion:

- Global change in the Arctic – main trends and challenges
- International scientific cooperation programmes in the Arctic
- Observations and observation platforms in the high-latitude Arctic region – development prospects

#### **Moderator:**

- **Maxim Safonov**, Deputy President, Russian Academy of Sciences; Professor, Russian Presidential Academy of the National Economy and Public Administration (RANEPA)

#### **Panellists:**

- **Paul Berkman**, Professor of Practice in Science Diplomacy, Tufts University
- **Igor Bobrovnitskiy**, Director, Centre of Environmental Medicine, Sisin National Research Institute of Human Ecology and Environmental Hygiene under the Ministry of Healthcare of the Russian Federation
- **Artur Chilingarov**, Special Presidential Representative for International Cooperation in the Arctic and Antarctic; President, Association of Polar Explorers
- **Yang Huigen**, Director General, Polar Research Institute of China
- **Lars-Otto Reiersen**, Executive Secretary of the Arctic Monitoring and Assessment Programme Working Group of the Arctic Council

#### **Front row participants:**

- **Aleksandr Danilov**, Advisor to the Director, Arctic and Antarctic Research Institute FSBI
- **Aurélien Dommergue**, Associate Professor at the Laboratory of Glaciology and Geophysics, Institute of Environmental Geosciences, Université Grenoble Alpes
- **Sébastien Gadal**, Professor, Aix-Marseille University
- **Julia L. Gourley**, Senior Arctic Official of the USA, Arctic Council
- **Ichiyo Ishikawa**, Executive Commentator, NHK (Japan Broadcasting Corporation)
- **Gennadiy Matishov**, Director, Murmansk Marine Biological Institute of the Russian Academy of Sciences FSBIS
- **Laurent Mayet**, Special Representative for Poles, Minister of Foreign Affairs of the Republic of France
- **Vladimir Pavlenko**, Director, Federal Center for Integrated Arctic Research of the Russian Academy of Sciences

**17:00–18:30**

Lomonosov Northern  
(Arctic) Federal  
University  
Assembly hall

Science and Technology

### **The Arctic: Territory of Cutting-Edge Technology**

The Arctic is a place for researching, testing, and implementing innovative new technologies and developments. Today, the Arctic is becoming a region of partnership in advanced technology. Here, joint international efforts will solve challenges such as how to adapt existing technical solutions to Arctic conditions, and develop new technologies to increase the efficiency and safety of economic activity in low-temperature conditions, improve the competitiveness of manufactured products, reduce energy and resource costs, and reduce the risk and minimize the impact of man-made accidents.

Issues for discussion:

- Essential innovations for the Arctic, setting up centres to consolidate and transfer projects: successful models and case studies
- Experience of implementing innovative social technologies to improve the living standards of Arctic populations
- Cooperation in developing and testing Arctic technologies; experience of international cooperation

#### **Moderator:**

- **Alexey Komissarov**, Director, Industrial Development Fund (Russian Foundation for Technological Development)

**Panellists:**

- **Evgeny Dankevich**, Chairman of the Management Board, Member of the Supervisory Board, Bank Otkritie Financial Corporation
- **Vasily Osmakov**, Deputy Minister of Industry and Trade of the Russian Federation
- **Anatoliy Perminov**, Deputy General Director for Work in the Field of the Forecasting Aerospace Monitoring, Russian Space Systems
- **Viacheslav Pershukov**, Deputy Director General – Director of the Innovation Complex, ROSATOM State Atomic Energy Corporation
- **David Scott**, President and Chief Executive Officer, Polar Knowledge Canada
- **Evgeniy Toropov**, Chief Engineer, Rubin Central Design Bureau for Marine Engineering

**Front row participants:**

- **Sergey Egorov**, Director of Science and Innovation, ASE Engineering Company
- **Ivan Ivanov**, General Director, Nacional Engineering Center of Energetics
- **Taras Popov**, Deputy Permanent Representative of the Republic of Sakha (Yakutia) under the President of the Russian Federation
- **Sergey Savchuk**, Director General, Tyumenenergo
- **Grigoriy Trubnikov**, Deputy Minister of Education and Science of the Russian Federation

**17:00–18:30**

Lomonosov Northern  
(Arctic) Federal  
University  
Hall 3

**Economic Development**

**The Barents and European Arctic Region: Building Cooperation**

The expansion of international cooperation is currently gaining in significance for the territories of Russia's Arctic region. Among the topics on the agenda will be relations between the EU and Russia's northwestern regions located within the Northern Dimension macroregions and the Barents Euro-Arctic Council (BEAC). These will be discussed by key figures in Northern Europe and Russia involved in implementing international cooperation programmes alongside a wide range of other areas related to the development of the Arctic.

Issues for discussion:

- International cooperation in Russia's Arctic zone. The European vector of development
- The Russia–EU Kolarctic Cross-Border Cooperation programmes for 2007–2013 and 2014–2020 as examples of mutually beneficial cooperation between Russia and Europe in the Arctic
- The Northern Dimension. A shared policy on northern Europe
- The Barents and European Arctic region. Priorities and results of the Russian Federation's chairmanship of the BEAC
- The role and place of the Arctic in the development strategies of the Northern Dimension and BEAC macroregions

**Moderator:**

- **Slava Khodko**, Head of Project Development Directorate, Roscongress Foundation

**Panellists:**

- **Tomas Hallberg**, Head, International Barents Secretariat
- **Arthur Parfenchikov**, Acting Head of the Republic of Karelia
- **Sergey Petrovich**, Deputy Director, Second European Department, Ministry of Foreign Affairs of the Russian Federation; Chair, Committee of Senior Officials of the Barents Euro-Arctic Council (BEAC)
- **Valentina Pivnenko**, First Deputy Chairman, State Duma Committee for Regional Policy and Issues of the North and Far East
- **Mika Riipi**, Governor of Lapland, Finland
- **Alexander Tsybulskiy**, Deputy Minister of Economic Development of the Russian Federation

**Front row participants:**

- **Cecile Mirset**, Governor of the Province of Troms
- **Timo Rautajoki**, Chief Executive Officer, Lapland Chamber of Commerce

17:00–18:30

Lomonosov Northern  
(Arctic) Federal  
University  
Hall 4

### Economic Development

#### The Arctic: Integrating Efforts to Achieve Strategic Growth

The Arctic regions possess a wealth of experience in creating strategies for socioeconomic development. To carry out major projects, including those featuring international participation, requires both cooperation and collaboration. The formulation and implementation of such projects should take into consideration both regional strategies and shared strategies for the development of the Arctic as a whole. The sharing of accumulated experience in the practical implementation of these strategies takes on still greater importance when integrating efforts to achieve sustainable development.

Russia is formulating its own socioeconomic development strategy in the Arctic using the mechanism of 'support zones'. The development of industry is likewise being facilitated by the establishment of industrial clusters, which are being created in the Arctic with the support of the government.

Issues for discussion:

- Socioeconomic development tools for the Arctic; the creation of 'support zones' for development and ensuring that they function properly
- Measures for supporting and attracting investment in industrial projects in the Arctic
- The potential for diverse forms of cooperative participation in developing the Arctic, including international collaboration

**Moderator:**

- **Alexander Ignatiev**, Chief Editor, Arctic Herald magazine

**Panellists:**

- **Valery Chichkanov**, Corresponding Member, Russian Academy of Sciences
- **Igor Koshin**, Governor of Nenets Autonomous Area
- **Bjørn Olsen**, Rector, Nord University
- **Maxim Oreshkin**, Minister of Economic Development of the Russian Federation
- **Tero Vauraste**, Vice Chair, Arctic Economic Council

**Front row participants:**

- **Ivan Abramov**, First Deputy Chairman, State Duma Committee for Regional Policy and Issues of the North and Far East
- **Alexey Bagaryakov**, Vice Rector, Federal State Budgeted Educational Institution of Higher Education "Russian Foreign Trade Academy of the Ministry for the Economic Development of the Russian Federation"
- **Egor Borisov**, Head of the Republic of Sakha (Yakutia)
- **Craig Fleener**, Arctic Policy Advisor of the Government of the State of Alaska
- **Arvind Gupta**, Deputy National Security Adviser of the Government of the Republic of India
- **Andrei Klepach**, Deputy Chairman (Chief Economist), Member of the Board, Bank for Development and Foreign Economic Affairs (Vnesheconombank)
- **Igor Loskutov**, Head, Interregional Department, Federal Financial Monitoring Service for the Northwestern Federal District
- **Valery Mitko**, President, Arctic Academy of Science
- **Igor Orlov**, Governor of Arkhangelsk Region
- **Liana Pepelyayeva**, Director, Regional Development Department of the Government of the Russian Federation
- **Sergey Vakhrukov**, Deputy Secretary of the Security Council of the Russian Federation
- **Vladimir Verkhovtsev**, General Director, Atomredmetzoloto

17:00–18:30

Lomonosov Northern  
(Arctic) Federal  
University  
Hall 6

### Human Capital

#### The Arctic: Territory of History, Culture, and Tourism

The indigenous peoples and population of Russia's North are the bearers of a distinctive material and spiritual culture, which also has significant potential in terms of cultural tourism. The Arctic is a territory of astounding accomplishments on the part of those who have discovered and developed it. Pioneers of Arctic exploration, seafarers, and missionaries have all left their mark on the history of opening up these northern lands, and Russia has played a leading role.

The Arctic attracts scientists, researchers, and travellers from all over the world. It is essential that this heritage is preserved and protected. The region offers enormous opportunity for adventure and extreme tourism, as well as educational travel. With the right approach, these sectors could lay the groundwork for a successful tourism industry in Russia's northern regions.

Issues for discussion:

- Preservation of the North's cultural and historical heritage
- Viable cultural projects in the Arctic
- Areas and tools for developing the Arctic's tourism industry



**Moderator:**

- **Alexander Potekhin**, Chairman, Association of the Mass Media of the Northwest

**Panellists:**

- **Igor Barinov**, Head, Russian Federal Agency for Ethnic Affairs
- **Susan Barr**, President, International Arctic Science Committee (IASC)
- **Iakov**, Bishop of Naryan-Mar and Mezensky
- **Alison LeClaire**, Senior Arctic Official for Canada, Global Affairs Canada
- **Oleg Safonov**, Head, Russian Federal Agency for Tourism

**Front row participants:**

- **Nikolay Kharitonov**, Chairman, State Duma Committee for Regional Policy and Issues of the North and Far East
- **Grigory Ledkov**, President, Russian Association of Indigenous Peoples of the North, Siberia, and the Far East (RAIPON)
- **Alexander Merzlov**, President, Russian Association of the Most Beautiful Villages
- **Igor Nikolaev**, Director, Blessed Warrior St. Fyodor Ushakov Charitable Foundation for Culturally and Socially Important Initiatives
- **Igor Panin**, Head, Northwest Regional Centre, Ministry of the Russian Federation for Civil Defence, Emergencies, and Elimination of the Consequences of Natural Disasters (EMERCOM of Russia)
- **Nikolai Saveliev**, Founder, Poseidon Expeditions
- **Alexander Veselov**, General Director, Arktikugol State Trust, Ministry of Energy of the Russian Federation

March 30, 2017

**09:00–21:00**

Vladimir Kuzin Ski  
Stadium

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

**'The Arctic. Made in Russia' International Youth Educational Forum**

**09:00–11:00**

Lomonosov Northern  
(Arctic) Federal  
University  
Hall 7

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

**Arctic Business Forum**

Although a large number of support measures have been introduced by the government, businesses are not sufficiently aware of what is available. There is a pressing need to integrate strategies, programmes, and proposals for developing the Arctic, specific regions, industries, small and medium-sized businesses in the Arctic, and regional authorities. There is also a need to establish infrastructure and an improved energy network for use by participating and new commercial ventures. The Arctic is an attractive region for investment, not only for large enterprises, but also for small and medium-sized businesses.

The projects being implemented in the Russian Arctic by Russian companies and overseas partners offer a pathway to removing barriers which would otherwise impede constructive cooperation with government bodies at various levels. This highlights the importance of collaboration between the Business Council of the State Commission for Arctic Development – the business arm of the advisory body, which provides the Commission with a consolidated viewpoint from the business community on current issues affecting the socioeconomic development of the Russian Arctic in order to establish a favourable investment climate – and the Arctic Economic Council, which aims to build a model of international cooperation that will secure a central role for business in the sustainable development of the Arctic.

Issues for discussion:

- Pooling efforts to promote the economic development of the Arctic: the optimal format for cooperation between government and business on specific projects
- International collaboration to implement Arctic investment projects – identifying the best models for cooperation
- Involvement in the Arctic projects of small and medium-sized enterprises

**Moderator:**

- **Mikhail Grigoryev**, Member, Scientific Council under the Security Council of the Russian Federation

**Panellists:**

- **Evgeniy Ambrosov**, Senior Executive Vice-President, PAO "Sovcomflot"
- **Elena Bezdenezhnykh**, Vice President, State Secretary, GR, Norilsk Nickel

- **Aleksi Härkönen**, Senior Arctic Official for Finland
- **Viktor Ikonnikov**, Deputy Governor of Arkhangelsk Region for Strategic Planning and Investment Policy
- **Vasily Osmakov**, Deputy Minister of Industry and Trade of the Russian Federation
- **Sergey Smirnov**, Director, Sozvezdiye Oil and Gas Industry Suppliers Association
- **Alexander Tsybulskiy**, Deputy Minister of Economic Development of the Russian Federation
- **Tero Vauraste**, Vice Chair, Arctic Economic Council

**Front row participants:**

- **Yakov Antonov**, General Director, Northern Shipping Company
- **Anton Filatov**, General Director, Oboronlogistika
- **Alexandrs Isurins**, Chairman of the Executive Board, President, FESCO
- **Karen Stepanian**, First Deputy Director General (Sea and River Transportation), Sovfracht

**09:00–11:00**

Government of  
Arkhangelsk Region  
Oval hall (No. 232)

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

**Northern Forum Governors' Meeting**

Partnership in the Arctic is built not only at the intergovernmental level, but also at the interregional level. The Northern Forum, which brings together the governors of northern regions, is a major international nongovernmental organization. It also has observer status on the Arctic Council and consultative status with the United Nations' Economic and Social Council (ECOSOC).

The Northern Forum is an important tool for enhancing and expanding non-political dialogue among the governors of Arctic and northern regions of various countries and the leaders of municipalities and organizations.

The Northern Forum includes regions of the Russian Federation (Krasnoyarsk Territory, Chukotka Autonomous Area, Khanty-Mansi Autonomous Area, Sakha Republic (Yakutia), Yamalo-Nenets Autonomous Area, Nenets Autonomous Area, Magadan Region, Primorsky Territory, and Kamchatka Region), Iceland (the city of Akureyri), the USA (Alaska), the Republic of Korea (Gangwon Province), and Finland (Lapland).

Until 2013, the Northern Forum Secretariat was located in Anchorage, Alaska (USA); it is presently situated in Yakutsk (Sakha Republic (Yakutia)). Krasnoyarsk Territory has chaired the Northern Forum since November 2015.

Issues for discussion:

- Strengthening the role of the Northern Forum in Arctic collaboration
- The socioeconomic development of the North and the Arctic
- Improving living standards for the region's population

**Moderator:**

- **Victor Tolokonsky**, Governor of Krasnoyarsk Territory

**Panellists:**

- **Stepan Aznauryan**, Deputy Governor; Head of the Representative Office of Magadan Region under the Government of the Russian Federation in Moscow
- **Egor Borisov**, Head of the Republic of Sakha (Yakutia)
- **Mira Kleist**, Special Advisor, Department of Foreign Affairs, Government of Greenland
- **Natalya Komarova**, Governor of Khanty-Mansi Autonomous Area–Yugra
- **Roman Kopin**, Governor of Chukotka Autonomous Area
- **Igor Koshin**, Governor of Nenets Autonomous Area
- **Cecile Mirset**, Governor of the Province of Troms
- **Igor Orlov**, Governor of Arkhangelsk Region
- **Mika Riipi**, Governor of Lapland, Finland
- **Evgeny Vishnyakov**, Vice Governor of Primorsky Territory

09:00–10:30

Lomonosov Northern  
(Arctic) Federal  
University  
Hall 6

## Sustainable Development of the Arctic

### Environmental Responsibility in the Arctic: Standards of Conduct and Doing Business

To preserve the unique ecosystem of the Arctic for future generations, strong government regulation is not enough. Maintaining the ecological balance in the Arctic must be a common objective for government, business, and society. Whether already established or just starting out in the Arctic, businesses need to assume a heightened degree of responsibility for preserving the environment.

Issues for discussion:

- How should they do this – by producing their own environmental regulations/green standards, or by adopting global social compacts?
- Are Russian businesses ready for this? Can existing public standards form the basis for a new environmental self-regulatory institution for the Russian Arctic?
- What international practices in terms of the relationship between social compacts and government regulation can be applied to the environmental development of the Arctic?

**Moderator:**

- **Grigori Dobromelov**, Director, Institute of Applied Political Research

**Panellists:**

- **Oleg Budargin**, Director General, Chairman of the Management Board, Rosseti
- **Alexander Korobkov**, General Director, Gazpromneft-Sakhalin
- **Vladimir Masloboev**, Director, Institute of North Industrial Ecology Problems
- **Hannele Pokka**, Permanent Secretary, Ministry of Environment of the Republic of Finland
- **David Scott**, President and Chief Executive Officer, Polar Knowledge Canada

**Front row participants:**

- **Vladimir Chuprov**, Head, Energy Programme, Greenpeace Russia
- **Nikolay Gerasimov**, Deputy Chairman of the Government, Minister of Industry, Natural Resources, Energy and Transport of the Republic of Komi
- **Jakob Granit**, Director General, Swedish Agency for Marine and Water Management
- **Rashid Ismailov**, Director, Green Standards Environmental Certification Centre
- **Alexey Knizhnikov**, Extractive Industry Environmental Policy Officer, World Wide Fund for Nature (WWF) Russia
- **Evgeny Knyazhev**, Deputy General Director, VTB Ecology
- **Nikita Kuprikov**, Director, Polar Initiative
- **Svetlana Lipina**, Director, Centre for Innovation Economics, Russian Foreign Trade Academy; Council for the Study of Production Forces under the Ministry of Economic Development of the Russian Federation

09:30–11:00

Lomonosov Northern  
(Arctic) Federal  
University  
Assembly hall

## Human Capital

### The Arctic: Territory of Professionals

In recent decades, the Arctic has unquestionably become one of the world's most significant regions. The attention devoted to the Arctic today is the result both of geopolitics and of global changes that have taken place in this region of the planet.

The Arctic is distinct from other regions by virtue of its enormous resource potential and political stability.

Global climate change and, simultaneously, the intensification of industrial development in the Arctic region are creating both opportunities for the economies of the Arctic states and significant challenges and risks for the surrounding environment, for society, and for mankind.

The key issues at the present time, which include minimizing the environmental risks of industrial activity in the context of climate change, developing mechanisms for helping the people and societies of the Arctic to adapt to changing circumstances, preserving ecosystems, and developing green technologies for the industrial development of the region, necessitate a consolidation of intellectual, technological, and human resources, both at the national level and in the organization of multilateral international cooperation aimed at expanding science and education in the region and utilizing their potential to ensure that the Arctic becomes a region of sustainable development.

Issues for discussion:

- Human capital in the Arctic as a factor in shaping and developing the Arctic region and a knowledge-based economy
- Using human resources to ensure sustainable development of the Arctic: successful models and case studies
- Creating the infrastructure and systems necessary for a sustained presence of intellectual capital in the Arctic region
- International collaboration in science and education in the Arctic region: regional policy, research and educational priorities, education for indigenous peoples
- Arctic communities: challenges for adaptation and development

**Moderator:**

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

**Panellists:**

- **Anne Husebekk**, Rector, UiT The Arctic University of Norway
- **Lars Kullerud**, President, University of the Arctic (UArctic)
- **Peter Sköld**, Director, Arctic Research Centre at Umeå University (Arcum)
- **Olga Vasilyeva**, Minister of Education and Science of the Russian Federation
- **Mauri Ylä-Kotola**, Rector, University of Lapland
- **Larisa Zelkova**, Senior Vice President, HR, Social Policy, and Public Relations, Norilsk Nickel

**Front row participants:**

- **Renata Abdulina**, Chairman, St. Petersburg Government Committee for Youth Policy and Interaction with Social Organizations
- **Sergey Baryshnikov**, Rector, Admiral Makarov State University of Maritime and Inland Shipping
- **Tatiana Buchkova**, Deputy Governor of Yamalo-Nenets Autonomous Area
- **Olga Epifanova**, Deputy Chair, State Duma of the Russian Federation
- **Marina Kovtun**, Governor of Murmansk Region
- **Frode Mellemvik**, Director, High North Centre, Nord University
- **Natalya Nesterova**, Head of Human Resource Management and Organizational Affairs, Gazpromneft-Sakhalin
- **Mike Sfraga**, Director, Polar Initiative, Woodrow Wilson International Center for Scholars
- **Mikhail Sonkin**, Deputy Governor of Tomsk Region for Science, Education, and Innovative Policy
- **Tuija Turunen**, Professor, University of Lapland

**09:30–11:00**

Lomonosov Northern  
(Arctic) Federal  
University  
Hall 4

Human Capital

**The Arctic: Territory of a Favourable Living Environment**

Today, the strategic challenge of developing the Arctic is to stabilize demographic processes and increase the effectiveness of measures to protect and improve the health of inhabitants. Preventive measures play a key role in this respect. Natural and anthropogenic factors place high demands on the human body, posing risks to health and resulting in demographic and economic losses. The climate changes which have occurred in the Arctic also affect the epidemiological and epizootic situation.

In addition to the temperature factor, new risks arise from development in new territories where the risk of infection from animals is little studied. In carrying out large-scale investment projects to develop the northern territories, it is necessary to justify, devise, and implement unconventional management decisions regarding people's working conditions and lives.

In addition, given the risk of epidemics developing, it is essential to intensify cooperation among all concerned, both in the fight against new infections and in addressing the problems of known diseases. Losses caused by health threats need to be reduced. This will lead to an increase not only in investment returns, but also in quality of life. The importance of cooperation between businesses and governments in providing occupational safety in the Arctic comes to the fore when addressing the key problem of retaining human capital.

Issues for discussion:

- What are the characteristics of the emergence and spread of infectious and mass non-infectious diseases in Arctic conditions? What are the demographic and economic consequences, and what preventive measures can be taken?
- How can we ensure healthy and safe working conditions and prevent occupational diseases in Arctic conditions?
- What are the sanitary, hygienic, and epidemiological safety conditions like in towns and settlements in the Arctic?
- How can we help to build capacity to prevent epidemics in the Arctic region?
- Inclusive investment: should the private sector invest in healthcare and support favourable working conditions to reduce losses caused by epidemics?

**Moderator:**

- **Alexey Litvyakov**, Journalist, Russian News Agency TASS

**Panellists:**

- **Sergey Emmanuilov**, Chair of Committee on Health Care and Social Policy, Arkhangelsk Regional Assembly of Deputies

- **Birgitta Evengård**, Professor, Chief Physician, Department of Clinical Microbiology; Head of Infectious Diseases Unit, Umeå University
- **Anna Popova**, Head, Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing
- **Yngvar Thomassen**, Research Director, Department of Chemical and Biological Work Environment, National Institute of Occupational Health in Oslo, Norway
- **Areg Totolian**, Director, Institut Pasteur in St. Petersburg

**Front row participants:**

- **Boris Filippov**, Vice Chair of Academic Council, Lomonosov Northern (Arctic) Federal University
- **Alexander Frolov**, Chairman of the Board of Directors, Investment Company Akvilon Invest
- **Sergey Gorbanev**, Director General, North-West Public Health Research Center
- **Andrey Gudkov**, Head of the Department of Hygiene and Medical Ecology, Northern State Medical University
- **Felix Karmazinov**, Strategic Program Coordinator, SUE «Vodokanal of St. Petersburg»
- **Vadim Kopylov**, Chief Engineer, Kolskaya Mining and Metallurgical Company
- **Marianne Røgeberg**, Head of Arctic Affairs, NordForsk

**11:00–12:00**

Lomonosov Northern  
(Arctic) Federal  
University  
Hall 6

Human Capital

**The Arctic: Territory of Health**

Healthcare systems in the Arctic face a range of challenges specific to the region, including difficulties in accessing population centres and industrial areas, low population density, difficult climatic conditions, the effects of the polar day and polar night, and environmental problems. In addition to the need to develop healthcare services in the region, there is also a need to adapt the latest technologies for application in the region. This can be achieved by sharing the experience of medical practices preparing people for life in non-standard conditions, and by participating in joint projects to develop equipment for diagnosing and treating the health problems of people residing in extreme conditions. Another important objective is improving the life expectancy of the population of Russia's Arctic regions from the current 71 to 74 years. A number of initial steps must be taken in this direction: improving working and living conditions, encouraging a healthy lifestyle, and providing prompt and high-quality medical services. In order to achieve these objectives, a coordinated healthcare strategy must be developed for the sub-polar region's population. Such a strategy can only be developed and implemented with the coordinated efforts of all parties involved – government, business, and scientific, educational, and civil society organizations.

Issues for discussion:

- In the current climate, how can research on the negative effects of the Arctic environment on the population's health be coordinated?
- How can the population of the Arctic regions be motivated to pursue a healthy lifestyle, and who should be assigned this responsibility?
- What is business doing to look after the health of its workers?
- What are the priorities for healthcare development in Russia's Arctic regions in the coming years?
- How can medical staff be attracted to work in sub-polar regions?
- What factors could help initiate an information revolution for healthcare in remote districts?

**Moderator:**

- **Anne Husebekk**, Rector, UiT The Arctic University of Norway

**Panellists:**

- **Lubov Gorbatova**, Rector, Northern State Medical University
- **Dmitry Kobylkin**, Governor of Yamalo-Nenets Autonomous Area
- **Veronika Skvortsova**, Minister of Healthcare of the Russian Federation
- **Vladimir Uiba**, Head, Federal Medical-Biological Agency of the Russian Federation
- **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:**

- **Igor Bobrovniksiy**, Director, Centre of Environmental Medicine, Sisin National Research Institute of Human Ecology and Environmental Hygiene under the Ministry of Healthcare of the Russian Federation
- **Evgeny Boyko**, Director, Institute of Physiology, Komi Science Centre
- **Maksim Chashchin**, Doctor of Medical Science; Head, Arctic Medicine Research Laboratory, Mechnikov North-Western State Medical University
- **Olga Epifanova**, Deputy Chair, State Duma of the Russian Federation
- **Anton Karpunov**, Minister of Health of the Arkhangelsk Region

- **Igor Mosyagin**, Chief of Medical Service, Russian Federation Naval High Command
- **Natalia Stadchenko**, Chairman, Federal Mandatory Health Insurance Fund

**13:00–14:30**

Plenary Session

Arkhangelsk Lomonosov  
Drama Theatre  
Plenary session hall

**People and the Arctic**

Address by the President of the Russian Federation Vladimir Putin

Address by the President of the Republic of Finland Sauli Niinistö

Address by the President of the Republic of Iceland Guðni Jóhannesson

**Moderator:**

- **Geoff Cutmore**, Anchor, CNBC