



## Scientific and Business Conference POLAR 2024

May 16, 2024. Saint-Petersburg

9:00 – 15:30 Registration of participants

10:00 – 12:00  
Big hall

### ANTARCTIC SESSION «ANTARCTIC: SCIENCE AT THE EDGE OF EARTH»

*Antarctica is a unique territory with almost unlimited potential for the development of scientific projects and international cooperation. The infrastructural capabilities of the Russian Antarctic Expedition allow today to carry out a wide range of research that is important for the whole world. One of these sites could be the new wintering complex Vostok, created in partnership between the state and private capital in the coldest point on the planet. During the Antarctic session, leading scientists will talk about the results of scientific work and share conclusions about changes in the environment of Antarctica, as well as talk about plans to modernize the infrastructure of Russian stations*

#### Speakers:

**Aleksander S. MAKAROV**, the Chairman of the Scientific Committee on Antarctic Research (SCAR), the Director of the Arctic and Antarctic Research Institute

**Vladimir Ya. LIPENKOV**, the Head of Climate and Environmental Research Laboratory of the Arctic and Antarctic Research Institute.

**Sergei A. SOLDATENKO**, the Lead Scientist – Acting Head of the Department of Ocean and Atmosphere Interaction at the Arctic and Antarctic Research Institute

**German L. LEICHENKOV**, the Deputy Director General for Research – the Head of the Department of the Geology and Mineral Resources of the Antarctic Federal State Budgetary Institution "Academician I. S. GRAMBERG All-Russia Scientific Research Institute for Geology and Mineral Resources of the Ocean".

**Mikhail P. ANDREEV**, the Head of the Laboratory of Lichenology and Bryology of the Komarov Botanical Institute of the Russian Academy of

Sciences

**Oleg A. TROSHICHEV**, the Lead Scientist – Chief Scientist at the Department of Geophysics, State Research Center of the Russian Federation - the Arctic and Antarctic Research Institute

**Oleg I. ORLOV**, the Director of the Institute of Biomedical Problems

**Artemiy E. GONCHAROV**, the Head of the Laboratory of Functional Genomics and Proteomics of Microorganisms at the Institute of Experimental Medicine

**Dmitry G. CHECHIN**, the Senior Researcher at the A.M. Obukhov Institute of Atmospheric Physics of the Russian Academy of Sciences

12:00 – 12:30

Coffee break

12:30 – 14:30

Big hall

**INTERNATIONAL SESSION**  
**« THE POLES OF ATTRACTION »**

*Global warming affects all countries and continents. The mutual influence of low and high latitudes is becoming increasingly obvious. During the session, Russian and foreign experts will discuss the possibilities of developing international scientific projects in the Arctic and Antarctic. In particular, the prospects for cooperation between the BRICS countries at the poles, the successful experience of the Russian Scientific Center in the Spitsbergen archipelago and participation in the second Antarctic Circumnavigation Expedition (ACE), which is organized with the support of the Government of Brazil. Scientists will also share plans for the International Polar Year 2032-2033.*

**Speakers:**

**Murad M. NASRUTDINOV**, the Head of the Legal Department of the of the Ministry of Foreign Affairs of the Russian Federation

**Meloth Thamban**, the Director of the National Centre for Polar and Ocean Research of India

**Zhang Beichen**, the Deputy Director of the Polar Research Institute of China

**Simões Jefferson**, the Head Brazilian National Institute for Cryospheric Sciences and Vice-President of the Scientific Committee on Antarctic Research (SCAR)

**Aleksander S. MAKAROV**, the Chairman of the Scientific Committee on Antarctic Research (SCAR), the Director of the Arctic and Antarctic Research Institute

**Aleksander V. KLEPIKOV**, the Councilor for International Cooperation of the Arctic and Antarctic Research Institute

14:30 – 15:00

Coffee break

15:00 – 17:00

Middle hall

**ARCTIC SESSION**  
**« SPITZBERGEN – THE TERRITORY OF OPPORTUNITIES FOR YOUNG SCIENTISTS »**

*Studying changes in the environment of the Svalbard archipelago is important for understanding the mechanisms and predicting future changes in the Arctic environment. During the session, scientists will talk about the results of research, the work of the Russian Scientific Center in Spitsbergen and the introduction of new research methods, which are already contributing to the development of the*

*scientific potential of young scientists.*

**Speakers:**

**Denis V. MOISEEV**, the Deputy Chairman of the Scientific Council of the Russian Scientific Center in the Spitzbergen Archipelago, the Director of the Murmansk Marine Biological Institute of the Russian Academy of Sciences

**Andrey A. CHEMERILO**, the Consul General of the Russian Federation in the Spitzbergen Archipelago

**Diana A. SOLOVEVA**, the Lead Engineer of the Arctic and Antarctic Research Institute

**Anna A. SHESTAKOVA**, the Scientist of the A.M. Obukhov Institute of Atmospheric Physics of Russian Academy of Sciences

**Ulyana V. PROKHOROVA**, the Junior Researcher at the Arctic and Antarctic Research Institute

**Anton V. TEREKHOV**, the Acting Researcher at the Arctic and Antarctic Research Institute

**Ksenia V. ROMASHOVA**, the Junior Researcher at the Arctic and Antarctic Research Institute

**Alena D. DANILOVA**, the Engineer at the Polar-Alpine Botanical Garden-Institute of N.A. Avrorin KSC RAS

**Vasily E. DEMIDOV**, the Leading Engineer of the Arctic and Antarctic Research Institute

15:00 – 17:00

*Big hall*

**ARCTIC SESSION**

**«THE SYSTEM OF SPECIALIZED HYDROMETEOROLOGICAL SUPPORT OPERATIONS IN WATER AREA OF THE NORTHERN SEA ROUTE (NSR) AND REQUIREMENTS FOR THIS SYSTEM»**

*All year-round navigation along the Northern Sea Route (NSR)- why isn't it? What do the specialists of the Maritime Operations Headquarters and navigators actually face when organizing navigation along the NSR route in winter? Will artificial intelligence be used to predict ice and hydrometeorological conditions in the Arctic seas? During the session, the specialists will talk about the experience of organizing navigation in the Russian Arctic seas in winter and the prospects for the development of ship operations in the water area of the Northern Sea Transport Corridor in the future. They will discuss the effectiveness of the activities of the Maritime Operations Headquarters and the experience of the scientific and operational group in carrying out extra-late pilotage from east to west in February 2024. Experts will also discuss the possibility of launching an environmental monitoring program for the NSR, and the possible results of the project implementation on the preservation of the unique ecosystem of the Arctic region.*

**Speakers:**

**Sergei N. ZYBKO**, the General Director of the Main Directorate of the Northern Sea Route

**Abidat M. MAGOMEDOVA**, the First Deputy Director of the Department of International Cooperation and Climate Change of the Ministry of Natural Resources of the Russian Federation

**Hataya Sakiko**, the Research Fellow, Ocean Policy Research Institute,

Sasakawa Peace Foundation

**Cai Meiji**ang, the Dean of the Polar Research Institute of Shipping Safety of Dalian Maritime University

**Igor M. ASHIK**, the Deputy Director for Scientific Work of the Arctic and Antarctic Research Institute

**Mikhail N. GRIGORYEV**, the Director of company GECON

**Nikita V. BOEV**, the Leading Specialist of the Fleet Operational Management Department of the Naval Operations Headquarters of the Main Directorate of the Northern Sea Route

**Anastasia N. BELGESOVA**, the Deputy Head of the Center for Ice and Hydrometeorological Information of the Arctic and Antarctic Research Institute

16:00 – 17:00

*Small hall*

**WORKSHOPE MEETING**

**«ON THE DEVELOPMENT OF THE CONCEPT OF CREATING A SYSTEM OF INTEGRATED INTERDEPARTMENTAL MONITORING OF PERMAFROST»**

by invitation

17:00 – 17:30

Coffee break

17:00 – 18:00

*Big hall*

**SPECIAL SCREENING:  
DOCUMENTARY FILM  
«NORTH POLE. RETURN»**

18:00

Close of the Conference