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## **3<sup>RD</sup> NORTHERN SUSTAINABLE DEVELOPMENT FORUM «CLIMATE CHANGE AND PERMAFROST RESPONSE»**

Yakutsk, Sakha Republic (Yakutia), Russia  
September 27 – 30, 2021

**DRAFT AGENDA**

**EVENTS PROPOSED AS OFFLINE-ONLINE**

№	№	SCHEDULED EVENTS	Venue	Note
1.		<p><b>Plenary Session</b></p> <p><b>Climate Change and Permafrost Response</b></p> <p>Co-organizers: TASS, Government of the Sakha Republic (Yakutia), Northern Forum, Ammosov North-Eastern Federal University, Melnikov Institute of Permafrost Studies SD RAS, Institute of Biological Problems of Cryolithozone SD RAS</p>	SR (Y)	<p>The plenary session’s agenda is developed by all organizers. Unification and coordination – TASS.</p> <p><b>Preliminary list of speakers:</b></p> <p><b>Yuri Trutnev</b>, Chairman of the State Commission on the Development of the Arctic, Deputy Prime Minister of the Russian Federation - Plenipotentiary of the President in the Far Eastern Federal District</p> <p><b>Alexey Chekunkov</b>, Minister for the Development of the Far East and the Arctic</p> <p><b>Alexander Kozlov</b>, Minister of Natural Resources and Environment of the Russian Federation</p> <p><b>Nikolai Korchunov</b>, Ambassador-at-Large of the Russian Foreign Affairs Ministry, Chairman of the Senior Arctic Officials of the Arctic Council</p> <p><b>Aisen Nikolaev</b>, Head of the Sakha Republic (Yakutia)</p> <p><b>Mika Riipi</b>, Governor of Lapland (Finland), Chairman of The Northern Forum</p> <p><b>Vladimir Melnikov</b>, Academician of the Russian Academy of Sciences, Scientific Director of the International Institute of Cryology and Cryosophy, Tyumen State University</p>

				<p><b>Vyacheslav Fetisov</b>, Deputy of the State Duma, UN Goodwill Ambassador for the Arctic and Antarctic, Chairman of the All-Russian Society for the Nature Conservation</p> <p><b>Igor Sechin</b>, Director General of Rosneft Oil Company</p> <p><b>Alexander Dyukov</b>, CEO of Gazprom Neft PJSC</p> <p><b>Alison Leclair</b>, Canadian Ambassador to Russia (to be specified)</p> <p><b>Anders Opedal</b>, President and CEO of Equinor</p> <p><b>Igor Shumakov</b>, Head of the Federal Service for Hydrometeorology and Environmental Monitoring</p> <p><b>Paolo Venturini</b>, extreme ultra-marathon runner (Italy)</p> <p><b>Fedor Konyukhov</b>, Russian traveler Rosatom representative</p>
<p><b>MAIN THEME</b></p> <p><b>CLIMATE CHANGE AND PERMAFROST RESPONSE</b></p>				
2.	1	<p><b>Expert Discussion</b></p> <p><b>Environmental Challenges: What Will Stop Fires and Floods</b></p> <p>Organizer: TASS</p>	SR (Y)	Confirmed
3.	2	<p><b>Research and Practical Conference</b></p> <p><b>Cryolithozone Monitoring and Measures to Secure Sustainable Infrastructure Projects in the Arctic</b></p>	SR (Y)	<p><b>Confirmed</b></p> <p>The conference is scheduled for September 28, 2021 (venue – Melnikov Institute of Permafrost</p>

		<p>Co-organizer: Melnikov Institute of Permafrost Studies SD RAS</p> <p>Moderator – Mikhail Zheleznyak, Director, Melnikov Institute of Permafrost Studies SD RAS, Doctor of Geology and Mineralogy</p>		<p>Studies SD RAS or as proposed by the NSDF); opening – 10 am.</p> <p><u>Session 1:</u> Arctic Cryolithozone Monitoring (moderator – Mikhail Zheleznyak); 9 presentations. Time: 10 am-1 pm.</p> <p><u>Session 2:</u> Ensuring Engineering Constructions’ Stability in the Arctic (moderator – Mikhail Zheleznyak), 8 presentations. Time: 2-5 pm.</p>
<p>4.</p>	<p>3</p>	<p><b>Working Meeting</b></p> <p><b>Climate Change Impact on the Natural Ecosystems in the Arctic</b></p> <p>Co-organizer: Institute of Biological Problems of Cryolithozone SD RAS – standalone unit of the Federal Research Center Yakutsk Scientific Center SD RAS</p> <p>Moderator – Innokenty Okhlopkov, Director, Institute of Biological Problems of Cryolithozone SD RAS, Candidate of Biology</p>	<p><b>SR (Y)</b></p>	<p><b>Confirmed</b></p> <p>Goal: discussing the problems and prospects of integrated research for assessing and making a science-based forecast of the present state of biodiversity of Yakutia’s vast territory under the global climate change and growing anthropogenic and technogenic pressure on the northern (Arctic) ecosystems.</p> <p>It is planned to make brief presentations on the outcomes of the long-term research conducted in Yakutia’s cryolithozone in studying, preservation, sustainable use and reproduction of bioresources of the North (ecology, zoology, botany, edaphology, physiology and biochemistry of flora and fauna, biotechnology and processing of natural northern raw materials).</p>

5.	4	<p><b>Roundtable</b></p> <p><b>The Small Northern Sea Route – Sustainable Development of the Coastal Areas of the Sakha Republic (Yakutia)</b></p> <p>Co-organizer: Primakov Institute of World Economy and International Relations RAS (IMEMO)</p> <p>Moderator – Mikhail Grigoriev, Director and co-owner, GEKON LLC; Lead researcher, Department of Global Economic Problems and Foreign Economic Policy, Primakov Institute of World Economy and International Relations RAS (IMEMO), Candidate of Geology and Mineralogy</p>	SR (Y)	<p><b>Confirmed</b></p> <p>Background:</p> <p>Besides addressing the issues of developing the bulk long-haul export and transit traffic, the Arctic maritime transport system ensures sustainable development of settlements in the Arctic regions, including the creation of additional jobs, implementation of projects on mineral resources' development in the coastal areas, primarily in the Sakha Republic (Yakutia). The goods are delivered there both by sea transport directly, and through transshipment to the inland water transport and subsequent delivery by winter road system. This transport subsystem can be provisionally named the "Small Northern Sea Route".</p> <p>The development of polymetallic deposits in the coastal areas of Yakutia requires new logistics and construction of specialized vessels for transporting the goods along the river sectors to the sea terminals. The efficiency of these shipments will depend on the ability of the river-sea vessels to deliver cargo along the navigable river sectors and their channels to the destinations in the "high water" period at the beginning of summer Arctic navigation, when the sea sections are still covered with residual ice, but nuclear icebreakers are occupied for the main cargo-forming tasks. This</p>
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			<p>problem can be solved with diesel icebreakers, their work being planned in advance, given their repair schedule and ice-routing services in the non-Arctic seaports.</p> <p>The Small Northern Sea Route – main tasks: Seasonal cabotage transportation to ensure sustainable development of settlements and implementation of ore deposit development projects with concentrates moved out by combined schemes, including transportation by river and mixed navigation vessels.</p> <p>Stakeholders: Ministry of Transport of the Sakha Republic (Yakutia), municipal entities’ administrations, investors, shippers, shipping companies, Federal State Unitary Enterprise “Rosmorport”, Federal State Budget Institution “Northern Sea Route Administration”, shipbuilders, expert community.</p> <p>Topics for discussion: 1. Construction of sea and river transshipment centers for intermodal sea-river exchange (sea terminals of Khatanga, Tiksi and Pevek ports; river terminals of Khatanga, Anabar, Olenyok, Lena, Yana, Indigirka, Kolyma Rivers).</p>
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			<ol style="list-style-type: none"><li>2. Construction of specialized vessels for cargo transportation along the river sectors to the sea terminals given the longer navigation period.</li><li>3. Construction of shallow-water icebreakers for the coastal areas of the Arctic and for rivers to ensure longer navigation.</li><li>4. Possibility of pre-navigation coordinated planning of “Rosmorport” icebreakers’ deployment, involving the organizations owning the River Register icebreakers, and the shipping companies within the longer summer-autumn navigation.</li></ol> <p>The optimization of the deliveries of goods to the northern territories (deliveries of goods to secure smooth functioning of the housing and utilities infrastructure and the energy sector and the quality of life of the local residents ) to improve the reliability and efficiency of the deliveries by using public transport; securing the delivery of cargos involved in the logistics of the mineral deposit development projects via the existing mechanism of socio-economic cooperation agreements between the economic entities operating in the North and the administrations of the federal and municipal entities.</p>
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6.	5	<p><b>4<sup>th</sup> Interregional Research and Practical Conference Arctic Vector: Deliveries of Goods to Northern Territories</b></p> <p>Co-organizer: Ministry for the Arctic Development and Indigenous Affairs of the Sakha Republic (Yakutia)</p>	SR (Y)	<p><b>Confirmed</b></p> <p>Information letter in progress. The Ministry for the Arctic Development and Indigenous Affairs of the Sakha Republic (Yakutia) has submitted the list of events.</p>
7.	6	<p><b>Session</b></p> <p><b>Low-carbon Development Strategies for the Arctic Regions of Russia in the context of the Paris Agreement</b></p> <p>Co-organizer: Faculty of Economics, Lomonosov Moscow State University, Project Office for Arctic Development (PORA)</p> <p>Moderator – Sergei Nikonorov, Doctor of Economics, PORA sustainable development expert; Director, Research Center for Economic Problems of the Arctic Development; Professor, Faculty of Economics, Lomonosov Moscow State University</p>	SR (Y)	<p><b>Confirmed</b></p> <p>The session plans to discuss the main stages of elaborating the low-carbon development strategies for the Arctic regions of Russia: 1) organizing the process of strategic and indicative planning till 2035, given the climate change and the Paris Agreement (involving the state, business and society); 2) development of climate profiles and exposure scenarios for the Arctic regions of Russia; 3) identify the strategic initiatives for transition to the low-carbon development path for the Arctic regions of Russia; 4) identify the political and financial decisions to implement the priority climate initiatives and projects for the Arctic regions of Russia (as part of the Russian Chairmanship in the Arctic Council, the Paris Agreement, green funding for the environmental and social projects and the Arctic Development Strategy - 2035); 5) elaborating a roadmap for the</p>



				low-carbon sustainable development of the Arctic regions of Russia under climate change till 2035.
8.	7	<p><b>Panel Discussion on the Arctic Migratory Birds Initiative Project of the Arctic Council</b></p> <p>Co-organizers: Northern Eurasia Goose Working Group, Northern Forum</p> <p>Moderator – Evgeny Syroechkovsky, Head of Northern Eurasia Goose Working Group</p>	SR (Y)	<p><b>Confirmed</b></p> <p>It is planned to discuss the progress of the Arctic Council project, the results of waterfowl aerial survey in the Arctic zone of Yakutia and Chukotka and the cooperation within the East Asian-Australasian Flyway Partnership. The Russian Goose Working Group, the Northern Forum and Ust-Lensky Nature Reserve will sign an agreement.</p>
9.	8	<p><b>Roundtable</b></p> <p><b>Prospects of Innovations of Ground Vehicles under Permafrost Degradation</b></p> <p>Co-organizers: Supreme Engineering Council of the Sakha Republic (Yakutia), Yakutia Technopark; Directorate for Cooperation with the Regions of the Far East; Innovative Engineering Center; Russian Union of Scientific and Engineering Public Associations</p>	SR (Y)	<p><b>Confirmed</b></p> <p>The discussion will be based on the outcomes of Bauman University-based long-term (2003-2020) theoretic and field research as well experimental service, comprising all vehicle classes for the High North. It should be noted that out of all ground vehicles, those on low-pressure giant tires, produced on the base of domestic 4WD vehicles, meet the functional and environmental safety requirements best of all and have the highest economic efficiency.</p> <p>Agenda of the main events:</p> <ol style="list-style-type: none"> <li>1. Presentation “Development of high-performance vehicles for the advanced socio-economic development of the Russian High North” (Bauman University) – upon confirming.</li> </ol>

			<ol style="list-style-type: none"><li>2. Presentation of developments of snow and swamp-going vehicles of the Transportation Systems Institute of Alexeev Nizhny Novgorod State Technical University – upon confirming.</li><li>3. Presentation of the Certification agency # 1 (Yakutsk Certification and Metrology Center of the Russian Federal Agency for Technical Regulation and Metrology) Voluntary certification system “Arctic” (POCC RU.И1731.04APK0) and the prospects of “pilot” voluntary certification of snow and swamp-going vehicles of “ХЛ” climatic modification by the National State P 50992-2019 (to -60°C) in Yakutia.</li><li>4. Presentation: “Specific features of innovative vehicles adaptation for the “Eurasian Pole of Cold” on the case of the first stage of the winter stage (2020-21) of development testing of KamAZ - 6345 (Arctic 6x6) in 2020-2022 in the natural conditions of Yakutia”, conducted by KamAZ PJSC under the auspices of Yakutia Technopark.</li><li>5. Monitoring (analysis) of the results of “Off-road Wheeled Vehicles” section of the online exhibition “Road Transport and Off-road Vehicles” within the 2<sup>nd</sup> NSDF in 2020.</li></ol>
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				<p>6. Presentations of users of snow and swamp-going vehicles in the permafrost areas (SR(Y) and others).</p> <p>7. Presentations of domestic and foreign snow and swamp-going vehicles and the local “do-it-yourselfers”.</p> <p>8. Discussing the timeliness of developing a special-purpose roadmap (working title “Snow and swamp-going vehicles”) with “active” reference to permafrost degradation in the Forum’s results.</p>
10.	9	<p><b>Expert Platform</b></p> <p><b>New Materials and Green Technologies for the North</b></p> <p>Co-organizers: Institute of Natural Sciences, Faculty of Road Construction, Institute of Physics and Technologies, Mirny Polytechnic Institute, Neryungri Technical Institute, Mining Institute of NEFU, Chukotka branch</p>	NEFU	<p><b>Confirmed</b></p> <p>Goal: discuss the topical issues in the field of new materials and green technologies for the North. Within the project, NEFU leading scientists will deliver lectures and presentations and the audience will be able to engage in the discussion.</p>
11.	10	<p><b>Panel Discussion</b></p> <p><b>Ways to Mitigate Anthropogenic Impact on the Ecosystems of the Arctic and the North</b></p> <p>Co-organizers: Institute of Natural Sciences, Mining Institute, Mirny Polytechnic Institute, Neryungri</p>	NEFU	<p><b>Confirmed</b></p> <p>Goal: search for the ways to mitigate anthropogenic impact of the ecosystems of the Arctic and the North</p> <p>The participants will try to find an answer to the question of how humans impact the ecosystems of</p>

		Technical Institute, Research Institute of Applied Ecology of the North of NEFU		the Arctic and the North as well as the solutions to the problem
12.	11	<p><b>Discussion Platform</b></p> <p><b>Specific Features of Design, Construction and Subsistence in the Arctic and the North under Climate Change</b></p> <p>Co-organizers: Institute of Natural Sciences, Institute of Engineering and Technology, Institute of Physics and Technologies, Mirny Polytechnic Institute, Neryungri Technical Institute, Faculty of Road Construction of NEFU</p>	NEFU	<p><b>Confirmed</b></p> <p>The discussion is dedicated to the construction challenges of northern regions, including the geographic, demographic, geologic and economic features of the area.</p> <p>Issues for discussion:</p> <ul style="list-style-type: none"> <li>• Personnel training</li> <li>• Workable construction materials and technologies</li> <li>• Identification of the ways to realize the results of scientific research in the field of construction materials production, design, construction and operation of buildings and constructions</li> <li>• Environmental safety and economic efficiency</li> </ul>
<b>HUMAN IN THE ARCTIC</b>				
13.	1	<p><b>Thematic Session</b></p> <p><b>How the New Arctic Strategy Works: Legislation, Incentives, Jobs, Impetuses</b></p> <p>Organizer: TASS</p>	SR (Y)	Confirmed
14.	2	<p><b>Studio Discussion</b></p> <p><b>Development of Creative Arctic Clusters: the Case of Yakutia</b></p> <p>Organizer: TASS</p>	SR (Y)	Confirmed

<p>15.</p>	<p>3</p>	<p><b>Webinar</b></p> <p><b>Role and Potential of Arctic Regions to Support and Implement the 30X30 Goal with Support of Tourism</b></p> <p>Co-organizers: Linking Tourism &amp; Conservation (Norway), Campaign for Nature</p> <p>Moderator – Peter Prokosch, Co-founder and Chairman of the Board, Linking Tourism &amp; Conservation (LT&amp;C)</p>	<p><b>SR (Y)</b></p>	<p><b>Confirmed</b></p> <p>Two international networks, Campaign for Nature and Linking Tourism &amp; Conservation (LT&amp;C), have launched an initiative focusing on nature tourism in promoting and supporting a new ambitious protected areas goal.</p> <p>Nature-based tourism is the fastest growing element of tourism; it often includes tours to national parks and conservation areas in the developing countries, where a significant portion of the world's biodiversity is concentrated. COVID-19 resulted in the abrupt halt in nature tourism around the world, especially in the Global South, marked by travel restrictions, lockdowns and closures of protected areas. When tourism stops, the benefits of conservation, both to wildlife and local communities, stop in many countries. The current COVID-19 pandemic has demonstrated vulnerability due to the overdependence of conservation economies in biodiversity-rich countries on unsustainable forms of tourism, with severe impacts on economies, employment, human livelihoods and conservation.</p> <p>Considering the significant benefits that the anticipated future 30 × 30 protected area network could potentially bring to the tourism sector and</p>
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			<p>vice versa, as well as address the funding challenges.</p> <p>The webinar plans to discuss the following issues:</p> <ul style="list-style-type: none"><li>• Support and promotion of the 30 × 30 project in the general public and specific target groups.</li><li>• Payment of 1% of annual income to the existing Landscape Fund or establishment of new funds to improve financial stability of the existing and new protected areas, crucial for biodiversity preservation and climate change adaptation.</li><li>• Implementation of binding protocols for nature tourism in and around the protected areas, ensuring increased resilience of all related activities and operations in order to achieve tourism-supporting forms of conservation</li><li>• Launch at least 10 tourism-related pilot investment impact schemes in and around protected areas to expand biodiversity and social impact for increased contributions to the different SDGs</li><li>• Voice the sector’s needs and expectations from other stakeholders to fulfill these obligations.</li></ul> <p>Besides relevant players in the nature tourism sector with strong networks and associations, partners in this initiative may include public development banks, CBD parties that represent the key markets or destinations for nature tourism,</p>
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				international NGOs, LT&C, IUCN-TAPAS and PANORAMA, private or institutional investors, charities and international organizations.
16.	4	<p><b>International Seminar</b></p> <p><b>Topical Issues of Indigenous Peoples in the Arctic Council Agenda</b></p> <p>Co-organizer: Ministry for the Arctic Development and Indigenous Affairs of the Sakha Republic (Yakutia)</p>	SR (Y), NEFU	<p><b>Confirmed</b></p> <p>The Ministry for the Arctic Development and Indigenous Affairs of the Sakha Republic (Yakutia) has submitted the list of events. No descriptions available yet.</p>
17.	5	<p><b>Research and Practice Conference dedicated to the 130<sup>th</sup> anniversary of Sergei Obruchev</b></p> <p><b>Kolyma Joins the Regions</b></p> <p>Co-organizers: Obruchev Fund, Russian Geographic Society, Ammosov North-Eastern Federal University</p>	SR (Y)	<p><b>Confirmed</b></p> <p>Interregional event (Magadan, Yakutia), expedition planned in follow-up.</p> <p>Most speakers are expected to attend in person. The conference is dedicated to the 130<sup>th</sup> anniversary of the outstanding geologist, geographer, corresponding member of the USSR Academy of Sciences, discoverer of Chersky Range SERGEI OBRUCHEV, and the 90<sup>th</sup> anniversary of his expedition along the Kolyma River and its tributaries.</p> <p>The tasks of the conference:</p> <ul style="list-style-type: none"> <li>• Summarize the available data on the geographic and other research of the Kolyma River basin and the adjacent regions of the Sakha Republic (Yakutia) and Magadan Oblast;</li> </ul>

				<ul style="list-style-type: none"> <li>• Strengthening the ties between the specialists studying the Kolyma River basin in the Sakha Republic (Yakutia) and Magadan Oblast;</li> <li>• Creating joint projects and scientific-educational programs of the interested scientific and educational organizations of the Sakha Republic (Yakutia), Magadan Oblast, and other regions;</li> <li>• Developing proposals for the municipal and state authorities on organizing advanced scientific research in the Kolyma River basin and on tourism development;</li> <li>• Report of the reconnaissance party of the complex expedition “In the footsteps of Obruchev’s Kolyma Expedition”;</li> <li>• Discussing the preparation of the complex expedition “In the footsteps of Obruchev’s Kolyma Expedition” in 2022 for further comprehensive research of the Kolyma basin.</li> </ul>
18.	6	<p><b>Panel Discussion of the Project Office for Arctic Development (PORA)</b></p> <p>Co-organizer: Project Office for Arctic Development          Moderator – Alexander Vorotnikov, Associate Professor, Public Administration and Public Policy Chair, ISS RANEPA; Coordinator, Expert Council of the Project Office for Arctic Development; Assistant</p>	SR (Y)	<p><b>Confirmed</b></p> <p>The Project Office for Arctic Development faces ambitious tasks of raising the level of knowledge of the citizens of our great country about the unique and inimitable Arctic.</p> <p>The areas of the Center's activities are multifaceted and extensive, just like the Arctic itself, and are related to the social, economic and</p>



		<p>to the Member of the Council of Federation; Candidate of Chemistry, PhD</p>		<p>environmental aspects of human life in the north of our Motherland. An important direction is the development of ecological tourism in the protected areas of the Arctic and the development of projects to protect the rare and endangered animal or plant species in the Arctic. The PORA event at the NSDF will focus on the topical issues of sustainable development in the Arctic. It is planned to sign an agreement between the Project Office for Arctic Development and the Northern Forum</p>
<p>19.</p>	<p>7</p>	<p><b>International Seminar</b> <b>Digitalization of the Linguistic and Cultural Heritage of Indigenous Peoples of the Arctic</b> Co-organizers: International UNESCO Chair, Faculty of Philology, Institute of Languages and Cultures of the Peoples of the North-East, International Lab “Linguistic Ecology of the Arctic” of Ammosov NEFU; Government of the Sakha Republic (Yakutia), Association of World Reindeer Herders, World Intellectual Property Organization, UArctic Institute of Circumpolar Reindeer Husbandry, International Center for Reindeer Husbandry.</p>	<p><b>SR (Y), NEFU</b></p>	<p><b>Confirmed</b> Frameworked by the Arctic Council Project “Digitalization of the Linguistic and Cultural Heritage of Indigenous Peoples of the Arctic”. The seminar will discuss the issues of legal protection of traditional indigenous knowledge of the Arctic through the tools of the intellectual property system. WIPO experts, UNESCO representatives, and other will deliver their lectures. As a follow-up, it is planned to develop recommendations on regulating the activities in this field.</p>

20.	8	<p><b>International seminar "Intellectual property rights of indigenous peoples to knowledge, culture and languages in the era of digitalization"</b></p> <p>Co-organizers: Russian Chairmanship in the Arctic Council, World Reindeer Herders Association, International Center for Reindeer Herding, Ministry for the Development of the Arctic and Northern Affairs of the Republic of Sakha (Yakutia), NEFU UNESCO Chair "Adaptation of Society and Man in the Arctic Regions in the Context of Climate Change", Institute of Circumpolar Reindeer Herding, University of the Arctic, Secretariat of Indigenous Peoples of the Arctic Council</p>	SR(Y)	<p><b>Confirmed.</b></p> <p>The seminar was initiated by the project of the Arctic Council "Digitalization of the linguistic and cultural heritage of the Arctic indigenous peoples" and is a platform for discussing the intellectual property rights of indigenous peoples. Representatives and organizations of indigenous peoples, scientific and educational organizations involved in the collection and documentation of traditional knowledge, experts in the field of intellectual property, as well as indigenous youth are invited to participate in the discussion.</p> <p>The seminar will be opened by Nikolai Viktorovich Korchunov, Ambassador-at-Large of the Russian Foreign Affairs Ministry, Chairman of the Senior Arctic Officials of the Arctic Council.</p>
21.	9	<p><b>Special Session</b></p> <p><b>Human Adaptation in the Changing Arctic</b></p> <p>Co-organizers: Institute of Medicine, Institute of Psychology, Teacher Training Institute, Institute of Finances and Economics, Faculty of History, Institute of Languages and Cultures of the Peoples of the North-East of Ammosov NEFU</p>	NEFU	<p><b>Confirmed</b></p> <p>Adaptation is a universal property of a human body, determined by resilience to the negative environmental factors that affect it, and the ability to overcome them.</p> <p>Indigenous peoples and Russian pioneers have perfectly adapted in the Arctic, having developed protective mechanisms over the centuries, primarily through their clothes and way of life. At the same time, climate change has begun to</p>

			<p>significantly affect life in the Arctic and cause disasters unforeseen by the Arctic residents.</p> <p>The Arctic climate is considered one of the harshest and coldest on the planet. According to the World Meteorological Organization, the long-term climate warming trend continues to persist, with the Arctic and Antarctic regions being the most sensitive and vulnerable to climate change. Global warming may be accelerated by the temperature-rising phenomena, such as the release of carbon from the inert natural reservoirs and rapid shrinking of ice in the Arctic Ocean. The consequences of climate change are closely intertwined with a number of global and local problems of human life in the Arctic regions. It is necessary to study the vulnerabilities, develop empirical research and assess possible risks and anomalies caused by climate change.</p> <p>The following is proposed for discussion at the session: research in the field of climate change, ecology, sociology, human health and adaptation to extreme natural and climatic conditions in the Arctic; culture and language, monitoring the status of biological resources in the Arctic, which will assess the adaptation of indigenous peoples to climate change, globalization and industrial development of the Arctic.</p>
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				<p><b>Roundtable</b>  <b>Arctic Medicine: Fundamental and Applied Research</b>          The goal of the roundtable is to highlight the key results of scientific research, exchange experience, prospects for joint scientific research in the Arctic medicine. At the roundtable, the results and prospects of scientific fundamental and applied research in the Arctic medicine will be presented</p> <p><b>Seminar</b>  <b>Social and Psychological Aspects of Arctic Residents Adaptation to Climate Change</b>          Issues for discussion:          -Mental implications and psychological counseling for the people who have survived traumatic climatic events.          - Welfare activity with the vulnerable groups of population.          Psychologists, sociologists, social workers and others can take part in the work of this area.</p>
22.	10	<p><b>Discussion Platform</b>  <b>Legal Issues of Sustainable Development of the Russian Arctic and Northern Territories</b>          Co-organizer: NEFU Faculty of Law</p>	NEFU	<p><b>Confirmed</b>          The discussion platform will focus on discussing the legal issues of sustainable development of the North and the Arctic territories. Various legal issues will be considered, including the interdisciplinary ones, which make the basis of international, federal, and regional sector-specific</p>

				legal regulation. It is also proposed to dedicate this event to the 85th anniversary of Doctor of Law, Professor Mironov.
23.	11	<p><b>Seminar</b></p> <p><b>Food Safety of the Arctic Regions</b></p> <p>Co-organizer: Arctic State Agrotechnological University</p> <p>Moderators:</p> <ul style="list-style-type: none"> <li>– Konstantin Krivoshapkin, Acting Rector</li> <li>– Irina Dranaeva, Head, International and Interregional Cooperation Department</li> </ul>	ASAU	<p><b>Confirmed</b></p> <p>Continuation of the discussions that started at the 2<sup>nd</sup> NSDF and the ASAU Spring Arctic School. The topic is of particular interest to the international community.</p> <p>In the modern world, traditional food is replaced with products with preservatives, flavors, various additives and colors, which negatively affects the health of the residents of the Arctic and the North. Thus, the topic of organic farming and environmentally friendly products is the most relevant. The speakers will introduce the audience to the products made from the Arctic raw materials, the technologies for growing vegetables in the cryolithozone and freeze-dried products with a longer storage life, as well as the peculiarities of breeding in the Arctic.</p>
24.	12	<p><b>Parliamentary Session</b></p> <p><b>Climate Change and Legal Framework of Adaptation Measures at the Regional Level</b></p> <p>Co-organizer: State Assembly (Il Tumen) of the Sakha Republic (Yakutia)</p>	Il Tumen	<p><b>Confirmed</b></p> <p>The second session will be held as an event of the newly created Parliamentary Cooperation Working Group of the Northern Forum.</p>

		<p>Moderator – Victor Gubarev, Parliamentary leader of the Russian Communist Party in the State Assembly (Il Tumen) of the Sakha Republic (Yakutia); Member, Local Self-governance Committee; Member, Indigenous Issues and Arctic Affairs Committee</p>		<p>In April 2021, as per the NF Resolution # 232, a Parliamentary Cooperation in the Arctic and the North Working Group was formed.</p> <p>The goal of the parliamentary session is to enhance the dialogue of the legislative (representative) bodies of the Northern Forum member regions, Arctic entities, and the circumpolar regions of the world to the benefit of the legal framework for sustainable development of the North and the Arctic, improve the national and regional Arctic legislation through the parliamentary diplomacy, exchange experiences, analyze the problems, support the best initiatives and practices of the regional legislators. Discussion of topical issues and development of proposals for the development of national legislation of the Russian Federation and the Arctic states in the field of infrastructure development of the North and the Arctic, regulatory support, creation, implementation and use of workable technologies, environmentally friendly machines, transport and logistics systems in the Arctic and the North.</p>
<p>25.</p>	<p>13</p>	<p><b>Roundtable. Children of the Arctic Project. Childhood Laboratory Project.</b></p> <p>Co-organizers: State Assembly (Il Tumen) of the Sakha Republic (Yakutia); International Research</p>	<p><b>Il Tumen</b></p>	<p><b>Confirmed</b></p> <p>The program of the Russian Chairmanship includes annual roundtables on the project in Naryan-Mar, Norilsk and Yakutsk.</p>

		<p>Chair, Institute of Modern Languages and International Studies, Ammosov NEFU; Northern Forum</p> <p>Moderator – Feodosia Gabysheva, Chair, Committee for Science, Education, Culture, Mass Media and Public Organization of the State Assembly (Il Tumen) of the Sakha Republic (Yakutia), Doctor of Pedagogics, Professor</p>		<p>In April 2021, as per NF Resolution # 233, the Children of the Arctic Project was endorsed as the priority project of the Education and Research Working Group.</p> <p>The Children of the Arctic Project is crucial for the sustainable development of the region, as addressing the issue of preserving the traditional way of life and local knowledge of future generations is a key task of our time. Since 2017, the Children of the Arctic Project has been a Russia-initiated international project that became an interest of the Arctic Council countries. The project’s successful implementation requires fruitful international cooperation of the circumpolar countries and regions, both at the official and expert levels.</p>
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**GLOBAL PARTNERSHIP FOR THE SUSTAINABLE DEVELOPMENT OF THE ARCTIC AND THE NORTH**

<b>26.</b>	<b>1</b>	<p><b>Expert Discussion</b></p> <p><b>The Role of International Cooperation in the Arctic: Economic Activity Criteria and Environmental Protection.</b></p> <p>Organizer: TASS</p>	<b>SR (Y)</b>	<b>Confirmed</b>
<b>27.</b>	<b>2</b>	<p><b>Signing the agreements at the 3<sup>rd</sup> Northern Sustainable Development Forum</b></p>	<b>SR (Y)</b>	<b>In progress.</b>

		Co-organizers: The Northern Forum, Government of the Sakha Republic (Yakutia), Ammosov North-Eastern Federal University		As of today, the following agreements have been proposed for signing: 1. Agreement between the Russian Goose Working Group, the Northern Forum, Ust-Lensky Nature Reserve. 2. Agreement between the Project Office for Arctic Development and the Northern Forum. 3. Agreement between Ammosov North-Eastern Federal University and the Northern Forum
28.	3	<p><b>Roundtable</b></p> <p><b>The Role of the Universities of the Arctic and the North in Implementing the Sustainable Development Goals</b></p> <p>Co-organizers: University of the Arctic, Ammosov North-Eastern Federal University</p>	NEFU	<p><b>Confirmed</b></p> <p>Universities around the world are striving to contribute to the achievement of the Sustainable Development Goals (SDGs), adopted by the UN in September 2015. At the roundtable, the leading universities of the Arctic and the North will share their experiences in achieving the SDGs. It is also planned to discuss the implementation of the Agreement between the UArctic and the NF</p>
29.	4	<p><b>6<sup>th</sup> All-Russian Research and Practice Conference Sustainable North: Society, Economy, Ecology, Politics</b></p> <p>Co-organizers: Research Institute of Regional Economy of the North, Institute of Finances and Economics of NEFU</p>	NEFU	<p><b>Confirmed</b></p> <p>The conference will take place on September 28-29, 2021 at Ammosov North-Eastern Federal University (Yakutsk). The conference has proven to be a key platform for discussing the issues of socio-economic development of northern territories, living standards improvement and development of multilateral partnership tools.</p>



			<p>The participants will have access to all discussion platforms of the Northern Sustainable Development Forum. The representatives of government sector, large enterprises (including ALROSA PJSC, Surgutneftegaz OJSC, MC Kolmar LLC, Yakutugol JSC, etc.) and the leading Russian scientists have been invited to the conference.</p> <p><b>The main theme of the conference in 2021:</b> Sustainable Development of the North in Uncertain Environment: Challenges and Responses of the Regional Policy.</p> <p><b>Goal of the conference:</b> to discuss a wide range of issues and find solutions that ensure sustainable development of the Russian North-East. The conference will give fresh impetus to the development of the existing and the launch of new scientific projects; it will facilitate inter-university cooperation and strengthen economic ties for the benefit of the region’s sustainable development. The following sessions and roundtables are planned at the conference:</p> <p><b>Sessions:</b></p> <ol style="list-style-type: none"><li>1. Economy of mineral resource management in northern regions.</li><li>2. Demographic and labor potential for the development of northern and eastern regions of Russia.</li></ol>
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				<p>3. Arrangement and spatial development of socio-economic systems of northern region: modern approaches, trends and prospects.</p> <p>4. Economic science and education: modern approaches and prospects.</p> <p><b>Discussion Platform (roundtable)</b></p> <p>1. Sustainable Development of the North in Uncertain Environment: Challenges and Responses of the Regional Policy.</p> <p><b>Website of the conference:</b> <a href="https://www.svf.ru/universitet/rukovodstvo-i-struktura/instituty/niires/npk/">https://www.svf.ru/universitet/rukovodstvo-i-struktura/instituty/niires/npk/</a></p>
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**NORTHERN YOUTH FORUM**

<b>30.</b>	<b>1</b>	<p><b>Meetups</b></p> <p><b>Arctic Through the Eyes of Children. Young researchers and Travelers Club</b></p> <p>Organizer: TASS</p>	<b>SR (Y)</b>	<b>Confirmed</b>
<b>31.</b>	<b>2</b>	<p><b>A series of meetings with interesting people</b></p> <p>Co-organizer: Northern Youth Forum</p> <p>Moderator: Sardana Zhendrinskaya, Chair, Youth Branch of the Union of Women’s Organizations of the Sakha Republic (Yakutia)</p>	<b>SR (Y)</b>	<p><b>Confirmed</b></p> <p>Meetings with interesting people will be arranged within the Northern Youth Forum. The main purpose of such meetings is to inspire and motivate young people to achieve their goals and develop their professional and personal skills.</p>
<b>32.</b>	<b>3</b>	<b>Issuing the NEFU Year of Young Researcher Digest</b>	<b>NEFU</b>	<b>Confirmed</b>

		<b>Science and North: Research of the Young</b>		The digest will include information about the developments and research of young NEFU scientists, their background in science. The digest will also contain photographs of young scientists and illustrations for their developments.
33.	4	<b>Special issue of the special project “Research Journal Club” on the topic of “Sustainable Development of the North”</b>	<b>NEFU</b>	<b>Confirmed</b> In the special issue of the special project “Research Journal Club” the young researchers will tell about the world’s latest scientific achievements in sustainable development with the focus on the world’s northern regions.
34.	5	<b>Special issue of the special project “Science: Beyond the Known” on the topic “Horizons of the North”</b>	<b>NEFU</b>	<b>Confirmed</b> Within the special project “Science: Beyond the Known” a leading researcher will talk about the research prospects of the North and for the North
35.	6	<b>Student conference on the development of agro-industrial complex under climate change and permafrost preservation</b>  Co-organizer: Arctic State Agrotechnological University  Moderators: – Konstantin Krivoshapkin, Acting Rector – Irina Dranaeva, Head, International and Interregional Cooperation Department	<b>ASAU</b>	<b>Confirmed</b> The title will be specified. The goal of the conference is to identify, develop and support gifted students, and involve them in research work. The topic of climate change and permafrost preservation is the most relevant in the context of global warming. Students will be able to get acquainted with the research and materials of the leading scientists on various topics: from plant industry under climate change to permafrost research.

THE NORTHERN FORUM: 30 YEARS OF COOPERATION				
36.	1	<p><b>Regional Coordinators Committee Meeting</b></p> <p>Organizer: The Northern Forum</p> <p>Moderator – Chair of the NF Regional Coordinators Committee</p>	SR (Y)	<p><b>In progress.</b></p> <p>The NF Chair, Governor of Lapland Mika Riipi proposed to hold the RCC meeting during the NSDF.</p> <p>The Regional Coordinators Committee is a collegial executive body; it consists of the regions’ representatives appointed by the members of the Board of Governors from their regions. The Regional Coordinators Committee has to meet regularly to make decisions on the current development issues of the organization.</p> <p>The meeting plans to discuss the 2022 Work Plan, the arrangements dedicated to the NF 30<sup>th</sup> anniversary, the election of Goodwill Ambassadors, project activities, cooperation with international organizations, etc.</p>
37.	2	<p><b>Conference</b></p> <p><b>30 Years of Caring for the North: Achievements and Prospects</b></p> <p>Organizer: The Northern Forum</p> <p>Moderator – Vladimir Vasilev, Executive Director of the Northern Forum</p>	SR (Y)	<p><b>Confirmed</b></p> <p>The Northern Forum is an international nongovernment organization of northern regions, established in November 1991 for interregional cooperation on sustainable development of the North and the Arctic. Until 2013, the organization's Secretariat was located in Anchorage (Alaska, USA); in 2013, it was relocated to Yakutsk (Sakha</p>

				<p>Republic (Yakutia), Russia). The organization prioritizes its project activities.</p> <p>The following will be discussed at the conference dedicated to the NF 30<sup>th</sup> anniversary:</p> <ol style="list-style-type: none"> <li>1. The outcomes of the organization’s most successful projects for the 30 years of caring for the North;</li> <li>2. The organization’s development prospects within the NF Development Strategy till 2030.</li> </ol> <p>It is planned to invite the veterans of different years and the current stakeholders to discuss the history and the prospects of the NF development.</p>
38.	3	<p><b>Gala event to celebrate the 30<sup>th</sup> Anniversary of the Northern Forum</b></p> <p>Co-organizers: Government of the Sakha Republic (Yakutia), Northern Forum</p>	SR (Y)	<p><b>Confirmed</b></p> <p>It is proposed to organize a gala event and a reception for the NSDF participants hosted by the Head of the Sakha Republic (Yakutia), dedicated to the NF 30<sup>th</sup> anniversary. It is planned to arrange online and offline greetings from the regions, presentation of awards (Walter Hickel Medal, letters of gratitude, statuettes in a number of nominations – design in progress). It is proposed to elect the first Northern Forum Goodwill Ambassadors and present them with certificates and badges.</p> <p>At the gala, the NF member regions will be awarded by nominations, the regions’ videos dedicated to the organization’s 30<sup>th</sup> anniversary</p>

				will be shown, the Northern Forum Ambassadors will be identified. A cultural program is planned.
<b>EXHIBITIONS</b>				
39.	1	<b>World of the Arctic Exhibition</b> Co-organizer: Ministry for the Arctic Development and Indigenous Affairs of the Sakha Republic (Yakutia)	SR (Y)	<b>Confirmed</b> Previously, the event was timed to the Day of the Arctic in March. The option of combining it with the NSDF and the <i>New Technologies for the North</i> exhibition is discussed. The list of events has been received from the Ministry for the Arctic Development and Indigenous Affairs of the Sakha Republic (Yakutia).
40.	2	<b>Photo show</b> <b>History and Evolvement of the International Organization of Northern Regions The Northern Forum</b> Organizer: The Northern Forum	SR (Y)	<b>Confirmed</b> The photo show will display the photos from the NF archives and those on the main theme of the 2021 NSDF - Climate Change and Permafrost Response.
41.	3	<b>Themed Tour</b> <b>Climate Change and Evolution of Material Culture of Yakutia’s Ancient Population</b> Co-organizer: NEFU Museum of Archaeology, Ethnography and Higher School History	NEFU	<b>Confirmed</b> At the turn of Pleistocene and Holocene, about 10.5 thousand years ago, global natural disasters changed the climate. At the same time, the landscapes, flora and fauna of the Ice Age were

				<p>also changing radically. The representatives of mammoth fauna were vanishing.</p> <p>Changes in the environment, flora and fauna caused changes in the primitive society, primarily, in the economy and worldview of the ancient hunters. The sedentary Paleolithic hunters in Yakutia, as well as throughout the world, switched to a vagabond life. The technologies of stone and bone processing, as well as the hunting methods and objects changed.</p>
42.	4	<p><b>Presentation of Culture &amp; Art Journal</b></p> <p>Co-organizers: Arctic State Institute of Culture and Arts, Saint Petersburg State University</p> <p>Moderator – Sargylana Ignatieva, ASICA Rector</p>	ASICA	<p><b>Confirmed</b></p> <p>In April 2021, as per the NF Resolution No. 233 the <i>Culture &amp; Art Journal</i> project was endorsed as the NF priority project within the Culture Working Group.</p> <p>The <i>Culture and Art Journal</i> is a Russian-English popular science journal. It publishes articles on the lifestyle of northerners, interviews with interesting people, archival documents, and tells about the cultural and traditional events in the northern and Arctic regions.</p> <p>It has been published since 2015 to support the Arctic intercultural communications of northerners.</p>

43.	<b>Project Presentation</b> Co-organizers: Northern Forum, Government of the Sakha Republic (Yakutia), Ammosov NEFU		At this event, the ongoing and the planned projects (scientific, research, scientific and practical, for regional sustainable development, international, interregional) will be presented to search for investors and promotion to all interested potential business partners.
44.	<b>FINAL PLENARY SESSION</b>	<b>SR (Y)</b>	

**PROPOSED ONLINE EVENTS**

№	№	ANNOUNCED EVENTS	COMMENTS
<b>MAIN THEME</b> <b>CLIMATE CHANGE AND PERMAFROST RESPONSE</b>			
45.	1	<b>Panel Discussion</b> <b>Climate Change Policy in the USA and Canada</b> Co-organizer: Institute for US and Canadian Studies RAS	<b>Confirmed</b> The study of climate change processes is becoming one of the most pressing topics for international dialogue. The Arctic countries focus their attention on the development prospects of northern and Arctic regions in the context of the ongoing global warming on the planet, which depends on the melting of the Arctic ice. Such countries as the United States and Canada prioritize climate change in their foreign policy statements. The panel discussion will discuss the



			<p>basic trends in the American and Canadian policy affecting global climate change and the response of these countries to the processes of changes in the Arctic ecosystems. Leading experts from the USA and Canada will engage in the discussion.</p>
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**HUMAN IN THE ARCTIC**

<b>46.</b>	<b>1</b>	<p><b>Roundtable</b></p> <p><b>Women in the Arctic</b></p> <p>Co-organizers: Interregional Public Organization “Women in the Arctic”, Union of Women’s Organization of the Sakha Republic (Yakutia)</p> <p>Moderators:</p> <ul style="list-style-type: none"> <li>– Olga Starostina – Chair, Interregional Public Organization “Women in the Arctic”</li> <li>– Lena Ivanova – Chair, Yakut Regional Branch, Interregional Public Organization “Women in the Arctic”</li> </ul>	<p><b>Confirmed</b></p> <p>The roundtable will convene the representatives of women's public organizations from a number of Arctic regions of the country, including the representatives of the indigenous peoples of the North, will discuss some aspects of COVID-19 pandemic impact on women’s lives in the Arctic regions. The main problems faced by the population during the pandemic include the restriction of activities and travel, bans and restrictions of traditional crafts for the local residents, job loss and reduced income, fear for their health and the health of their families.</p>
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		<p>– Anzhelika Andreeva – Chair, Union of Women’s Organization of the Sakha Republic (Yakutia); Member, Bureau of the Women’s Union of Russia</p>	
47.	2	<p><b>Roundtable</b></p> <p><b>Legal Policy of the Soviet State in the Development of Science in the Arctic</b></p> <p>Co-organizer: Law Faculty, Moscow University for the Humanities</p> <p>Moderator – Olga Maximova, Dean, Law Faculty of Moscow University for the Humanities</p>	<p><b>Confirmed</b></p> <p>Elaboration and development of a regulatory framework for the research areas in the Arctic.</p> <p>Analysis of current and Soviet legislation on scientific research in the Arctic.</p> <p>Projects on the development of the Arctic during the Soviet period, their legal support and results.</p> <p>The influence of politics and legal ideology on scientific research in the Arctic in the USSR and at the present stage.</p> <p>Involvement of scientific organizations in the study of the Arctic and their interaction with the Soviet state.</p>
48.	3	<p><b>Roundtable</b></p> <p><b>Transformation of Economic Behavior of the Indigenous Peoples of the Arctic</b></p> <p>Co-organizers: Chelyabinsk State University, grant of the Russian Foundation for Basic Research, Arctic Research Center (YNAO), Saint Petersburg State University, Higher School of Economics, Surikov Museum (Krasnoyarsk Krai)</p>	<p><b>Confirmed</b></p> <p>Despite numerous concepts that analyze various aspects of economic behavior, there is a lack of scientific theories explaining the transformation of economic behavior of the indigenous peoples of the North living in the Russian Arctic at present. It is necessary to develop a new program to study the transformation of economic behavior and mechanisms providing a positive vector of the process under study, which would take into account the special conditions of life and the specifics of psychology of the</p>

	<p>Moderator – Svetlana Kurnosova, Candidate of Pedagogics, Head of General and Vocational Pedagogics Department, Chelyabinsk State University</p>	<p>Arctic indigenous peoples. The objective of this dispute is to present the unique indicators of economic behavior of the representatives of the researched social group, identified in 2019-2021 during the field research, and the theoretical research to the scientific community. Questioning and interviewing of more than 260 respondents, as well as the descriptive characteristics of life of the peoples doing traditional economy, allowed to identify the level of subjective well-being of the indigenous peoples of the Russian Arctic and to find links between the psychological time and economic attitudes. To find a model that sets a positive trend for the economic behavior transformation, the current and possible legal forms of organizing a traditional economy have been investigated. The conclusions of the study allow to interpret the features of the formation and transformation of the economic behavior of the indigenous peoples; in the future they can be used in designing the models of economic behavior and the mechanisms that provide a positive trend, given the specifics of the indigenous peoples' existence in the global information space and the "consumer society". In addition, it is possible to model and predict the behavior of indigenous peoples in various life situations through the types and determinants of the economic behavior.</p>
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49.	1	<p><b>Panel Discussion</b></p> <p><b>Russia-China Cooperation in the Arctic</b></p> <p>Co-organizer: Ammosov North-Eastern Federal University</p>	<p><b>Confirmed</b></p> <p>The goal of the panel discussion on the Russian-Chinese cooperation in the Arctic is to bring together experts on the Arctic issues. The issues of possible cooperation between Russia and China on the development of the Arctic will be discussed. The discussion on the issues of institutional cooperation and regulatory framework for future partnerships will be the most interesting.</p>
50.	2	<p><b>Cold Lands Seminar</b></p> <p><b>Japan-Russia Cooperation in the North</b></p> <p>Co-organizers: Ministry for Education and Science of the Sakha Republic (Yakutia), Ammosov North-Eastern Federal University, Hokkaido University</p>	<p><b>Confirmed</b></p> <p>The Cold Lands Seminar "Japan-Russia Cooperation in the North" is held jointly by the Sakha Republic (Yakutia) and the HaRP Secretariat for the representatives of Japanese and Russian universities, companies and government agencies. This is a meeting of a special-purpose session participants, whose activities are related to the North, and their external partners from among private companies and self-governance bodies. The introductory session will include presentations on the latest developments in the Japanese-Russian cooperation in the North and on the Arctic-related issues. The discussion will empower Japanese and Russian scientists and their partners to share information and proposals on the promising joint projects, as well as to discuss the topics and formats for future cooperation.</p>

<p>51.</p>	<p>3</p>	<p><b>Roundtable</b> <b>Russia-Korea Cooperation in the Arctic</b> Co-organizer: Korea Maritime Institute, Republic of Korea</p>	<p><b>Confirmed</b> Economic aspects are important for the Republic of Korea in the Arctic. In the short to medium term, economic opportunities are expected to emerge in such areas as resource extraction, transport routes and offshore industrial development in the Arctic. Moreover, it is believed that Arctic can become a new stable source of resources for the Republic of Korea, which is a major resources importer in the world. In this regard, certain prospects emerge for a mutually beneficial cooperation between Russia and the Republic of Korea on using all capacities of the Northern Sea Route. The bilateral dialogue between the countries addresses the issues of joint work on making ice-class ships and research cooperation in the Arctic to study the development of the Northern Sea Route under climate change.</p>
<p>52.</p>	<p>4</p>	<p><b>Roundtable</b> <b>8<sup>th</sup> Arctic Business Relations Circle Meeting</b> Co-organizers: The Northern Forum, Arktika Company LLC Moderator – Kristina Baiborodova, CEO and Partner, Arktika Company LLC</p>	<p><b>Confirmed</b> In January 2021, the Northern Forum, in collaboration with Arktika Company LLC launched a project of business meetings Arctic Business Relations Circle. The goal of the project is to establish relevant links between the organizations interested in the Arctic and the North and their residents. Due to the growing interest to business opportunities in the Arctic, the topics of the meetings vary from month to month, depending on their significance. The key objective of the meeting is to attract the attention of business community to the projects of northern regions.</p>

53.	5	<p><b>Roundtable</b></p> <p><b>Safe Investment in the Arctic</b></p> <p>Co-organizers: Russian International Affairs Council, Department of International Studies, Institute of Modern Languages and International Studies, NEFU</p>	<p><b>Confirmed</b></p> <p>The roundtable will discuss such topics as the investment appeal of the Arctic regions, the promising areas of investment cooperation, investment promotion policy, business environment and guarantees for investors, benefits, results from attracting foreign investment, and the key trends in shaping the investment image in the Arctic. Investment in the Arctic affects the socio-economic development of the region. In this regard, the issue of social corporate responsibility of investors is getting urgent, in particular, how safe possible investments are for the region and its population.</p>
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**NORTHERN YOUTH FORUM**

54.	1	<p><b>Opening</b></p> <p><b>International Youth Agenda in the Development of the North and the Arctic</b></p> <p>Co-organizer: Northern Youth Forum</p> <p>Moderator – Savina Alexeeva, Head, Partnership and Accelerator Programs Department, Yakutia Venture Company</p>	<p><b>Confirmed</b></p> <p>The event will convene youth from around the globe to discuss the hottest international agenda topics on the development of the North and the Arctic.</p>
55.	2	<p><b>Human Capital:</b></p>	<p>The symposium with international participation will be led by Laera Institute, which assists the UArctic as an</p>

		<p><b>Student Symposium on Circumpolar Research</b>          Co-organizer: ASAU, Laera Institute          Moderator – Irina Dranaeva, Head, International and Interregional Cooperation Department, ASAU</p>	<p>international and independent academic community by hosting workshops for educators on teaching and pedagogical innovation in Circumpolar Studies, as well as by hosting the conferences of the UArctic partner universities’ students studying the circumpolar region and the territories of the Arctic and the North.</p>
56.	3	<p><b>Panel Discussion</b>  <b>Hear Our Voices: Outreach and Collaboration with Indigenous ECRs from Sakha (Yakutia)</b>          Co-organizer: ASICA          Moderator: Darya Burnasheva, Assistant Professor, Department of Folk and Traditional Arts, ASICA</p>	<p><b>Confirmed</b>          The discussion will bring together young Yakut, Russian and foreign researchers, united by common interests and research topics, who want to make positive changes and a common contribution to tackling various difficult situations in the Arctic.</p>
57.	4	<p><b>Creative Economy: Growth Points of Creative Economy in the Arctic</b>          Co-organizer: Association of Young Economists of the Sakha Republic (Yakutia)</p>	<p><b>Confirmed</b>          Engaging the Arctic and northern youth in developing the intersectoral and cross-cultural projects for the development of the Arctic through upgrading the skills of creativity and project activities.</p>
58.	5	<p><b>New Technologies – New Opportunities</b>          Co-organizer: Northern Youth Forum, Innovation Development Fund of the SR (Y)          Moderator: Savina Alexeeva, Head, Partnership and Accelerator Programs Department, Yakutia Venture Company</p>	<p><b>Confirmed</b>          The development of new technologies helps deal with traditional challenges of remote places and solve unusual problems in various fields. By developing technologies and building an ecosystem around them, northern regions get new development opportunities.</p>

59.	6	<p><b>Climate Change Challenges: Climate Change and New Technologies</b></p> <p>Co-organizers: Northern Youth Forum, University of Vaasa (Finland)</p> <p>Moderator: Ekaterina Sofroneeva, PhD Candidate, University of Vaasa (Finland); Member, Arctic Academy of Sciences; Member, Eurasian Peoples' Assembly</p>	<p><b>Confirmed</b></p> <p>Climate change brings new challenges to all of mankind, but its implications are especially tangible in the Arctic and the North. Can new technologies help overcome these challenges? What has already been implemented in different countries?</p>
60.	7	<p><b>Climate Change: Scholarly View</b></p> <p>Co-organizers: Northern Youth Forum, Ammosov North-Eastern Federal University</p>	<p><b>Confirmed</b></p> <p>A series of videos featuring scholars working on climate change issues. Videos are intended for a broader audience.</p>
61.	8	<p><b>Environmental Volunteering: Cases from Different Countries</b></p> <p>Moderator: Sardana Zhendrinskaya, Chair, Youth Branch of the Union of Women's Organizations of the Sakha Republic (Yakutia)</p>	<p><b>Confirmed</b></p> <p>What is environmental volunteering? What is special about environmental volunteering in different countries?</p>
62.	9	<p><b>Global and Local Climate Change Adaptation Plans</b></p> <p>Co-organizer: Northern Youth Forum</p> <p>Moderator: Sardana Syromyatnikova</p>	<p><b>Confirmed</b></p> <p>The platform will inform about the applicable global and local climate change adaptation plans</p>
63.	10	<p><b>Videoclip contest in the social media (Eco-challenge)</b></p> <p>Co-organizer: Northern Youth Forum</p>	<p><b>Confirmed</b></p> <p>The Eco-challenge aims to show positive cases of environmental actions for a broader audience in the social media.</p>



## EXHIBITIONS

64.	1	<b>Online Exhibition</b> Organizer: Arctic State Institute of Culture and Arts	<b>Confirmed</b> The NSDF main theme will be discussed.
65.	2	<b>Online Exhibition</b> <b>Display of Technologies</b> Organizer: NEFU	<b>Confirmed</b> A virtual demonstration of projects, technologies and innovative products of NEFU and its residents with investment appeal will be arranged on a special information web platform of the SCIENCE.NEFU portal. The system will be open for viewing; visitors and interested parties will have a chance to communicate - ask questions, join a team, show their interest in investing in the project.
66.	3	<b>Online Exhibition of Painting and Graphics</b> Co-organizer: Arctic State Institute of Culture and Arts Moderators – Tuyara Shaposhnikova, Darya Burnasheva	<b>Confirmed</b> The exhibition will be on the NSDF theme and will showcase the works of Yakut, Russian and foreign artists, which raise the problem of environmental degradation, including climate change. The exhibition aims to reveal the role of art in identifying and discussing the topical issues of the North and the Arctic.
67.	4	<b>Online Exhibition</b> <b>Snow and Swamp-going Vehicles and Permafrost Degradation</b> Co-organizers: Supreme Engineering Council of the Sakha Republic (Yakutia), Yakutia Technopark;	<b>Confirmed</b> Facilitating public discussion of practical use and development prospects of ground vehicles on large-sized low-pressure giant tires produced on the base of the serial domestic 4WD vehicles to determine the relevance of developing a special-purpose "roadmap" (working title

		Directorate for Cooperation with the Regions of the Far East; Innovative Engineering Center; Chamber of Trade and Commerce of the Sakha Republic (Yakutia); Russian Union of Scientific and Engineering Public Associations	“Snow and swamp-going vehicles”) with "active" reference to permafrost degradation permafrost
68.	5	<b>Excursion to the underground laboratory of the Permafrost Institute of the SB RAS</b>	Demonstration of experimental installations using cryogenic resources. The duration of the excursion is 1 hour.
<b>SIDE EVENTS</b>			
69.	1	<b>10<sup>th</sup> Russian-Chinese Meeting on the Arctic</b> (September 6)  Organizers: Saint Petersburg State University, Ocean University of China	<b>In progress.</b> A request for the NSDF auspices has been received.
70.	2	<b>Special Project</b>  <b>Polar Bear</b>  <b>Organizer – TASS</b>	<b>Confirmed</b>  Three options for the action are discussed, including the one of handing the baton from the White Siberian Crane Action to the Polar Bear Action
71.	3	<b>International Conference</b>  <b>Synergy of Languages and Cultures: Interdisciplinary Studies</b>  September 23-24  Organizer: Saint Petersburg State University	<b>In progress.</b> A request for the NSDF auspices has been received.

<p>72.</p>	<p>4</p>	<p><b>Youth Eco Forum</b> Organizer – The Northern Forum</p>	<p><b>Confirmed</b> Youth Eco Forum is turning 20 in 2021. The anniversary forum will take place in Berdigestyakh settlement of Gorny District of the Sakha Republic (Yakutia) on September 29-October 6, 2021. It is proposed to arrange its participants' involvement in the NSDF events and to provide the NSDF auspices.</p> <p><b>Background:</b> Youth Eco-Forum is convened every year, or every other year. It was designed to support a comprehensive and balanced environmental education for realizing a creative and leadership potential of young people in northern regions. Youth Eco Forum fosters a generation of youth actively involved in solving environmental problems, strengthens international relations through the exchange of experiences between unique northern regions, and provides young people with the tools to make positive change in their home region.</p> <p><b>Goal of the Eco Forum:</b> Join the efforts of northern youth to preserve the North and the Arctic for future generations for the benefit of sustainable development.</p> <p><b>Objectives:</b></p> <ul style="list-style-type: none"><li>– study the experience of interregional and international youth environmental organizations and associations in environmental activities;</li></ul>
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