

Northern Forum Activity Report from November 2015 to March 2018

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INTRODUCTION

Krasnoyarsk Krai assumed the Chairmanship in the Northern Forum during optimization and reorganization of the Forum's work initiated by the preceding Chair – Head of Sakha Republic (Yakutia) Egor Borisov. During this transitional period the Northern Forum member-regions have demonstrated a high level of cooperation and fruitful synergy. Our dedicated consolidated efforts to strengthen the status of the organization resulted in significant successes in promoting the regional dimension within the international Arctic agenda. We stepped up as an equal, strong player and a voice of Arctic and Northern regions.

The Northern Forum was one of the first to bring the regions together to address common challenges and which has been successfully implementing the vision of the founding governors for 26 years so far, what largely proves the critical significance of and need for regional component in the Arctic international cooperation. The increasing demand for regional structures of cooperation is recognized by the Arctic Council. During the Chairmanship of Krasnoyarsk Krai in the Northern Forum, we successfully went through the Arctic Council's Observers review process and maintained our status in the Arctic Council as an only one nongovernmental organization leading the interregional cooperation in the Arctic that is currently Observer to the Council.

The success of our work is driven by vast engagement of member-regions in cooperation under the auspices of the Northern Forum. At the present stage of organization's development, we need to take the achieved pace of interaction to the next level and to ensure a broad presence of the Northern Forum in the international arena in order to include regional voices in shaping the Arctic agenda.

We truly believe that the following period under next chairing region will mark the new milestone in strategic development of the Northern Forum and strengthening the voice of the regions on global arena.

1. GENERAL INFORMATION ABOUT NF STRUCTURE AND ORGANIZATION

1.1 Board of Governors

The Board of Governors is the highest policy-making body of the Northern Forum. The members of the Board are NF member-regions' senior officials. The Board of Governors is as follows:

- **Aleksandr Uss**, Acting Governor of Krasnoyarsk Krai (Russia), Chair of the Northern Forum
- **Egor Borisov**, Head of Sakha Republic (Yakutia) (Russia), Vice-Chair of the Northern Forum from Northeast Russia
- **Eiríkur Björn Björgvinsson**, Mayor of Akureyri (Iceland), Vice-Chair of the Northern Forum from Northern Europe
- **Natalya Komarova**, Governor of Khanty-Mansiysk Autonomous Okrug – Ugra (Russia), Vice-Chair of the Northern Forum from Northwest Russia
- **Choi Moonsoon**, Governor of Gangwon Province (Republic of Korea), Vice-Chair of the Northern Forum from Northeast Asia
- **Vladimir Ilyukhin**, Governor of Kamchatka Krai (Russia)
- **Dmitriy Kobylkin**, Governor of Yamalo-Nenets Autonomous Okrug (Russia)
- **Roman Kopin**, Governor of Chukotka Autonomous Okrug (Russia)
- **Vladimir Pechyoniy**, Governor of Magadan Oblast (Russia)
- **Mika Riipi**, Governor of Lapland (Finland)
- **Andrey Tarasenko**, Acting Governor of Primorsky Krai (Russia)
- **Bill Walker**, Governor of Alaska (USA)
- **Aleksandr Tsybulsky**, Acting Governor of Nenets Autonomous Okrug (Russia)

1.2 Regional Coordinators Committee

The Regional Coordinators Committee is a collegial executive body and is composed of regional delegates who are designated by each member of the Board of Governors from their home regions. The Committee is chaired by the Regional Coordinator from the Chairing region. Regional Coordinators Committee is as follows:

- **Yuriy Zakharinskiy**, Acting Vice-Chairman of the Krasnoyarsk Krai Government, Chair of the Regional Coordinators Committee (Russia)
- **Vladimir Vasiliev**, Head, Department for External Relations of Sakha Republic (Yakutia)
- **Eduard Isakov**, Member of the Federation Council of Russian Federal Assembly, Representative of Khanty-Mansiysk Autonomous Okrug Executive Authority (Russia)
- **Hulda Sif Hermannsdóttir**, Assistant to the Mayor of Akureyri (Iceland)
- **Kang Heesung**, Director, Japan, Europe and America Division, Gangwon Global Investment & Trade Bureau (Republic of Korea)
- **Kristiina Jokelainen**, Director, International Cooperation, Lapin Liitto/Regional Council of Lapland (Finland)
- **Nikoosh Carlo**, Senior Advisor, Climate and Arctic Policy, Office of the Governor, State of Alaska (US)
- **Dmitriy Korostelev**, Minister of Economic Development and Trade of Kamchatka Krai (Russia)
- **Aleksandr Mazharov**, Vice-Governor of Yamalo-Nenets Autonomous Okrug, Director, Department of International and External Economic Relations of Yamalo-Nenets Autonomous Okrug (Russia)
- **Irina Penievskaia**, Minister of Economic Development, Investment Policy and Innovations of Magadan Oblast (Russia)
- **Pavel Rakhmilevich**, Head, Department of Municipal Affairs and External Relations of Nenets Autonomous Okrug (Russia)
- **Natalia Slugina**, Head, Department of International Relations, Office of Governor and Government of Chukotka Autonomous Okrug (Russia)
- **Primorsky Krai** (Russia) – Coordinator has changed, Contact person: Korshenko Aleksandr Igorevich, Director, Department of Natural Resources and Environmental Conservation of Primorsky Krai

1.3 Working Groups

In order to engage regional governments to development of concrete actions for resolving challenges of northern regions in different fields and achieve measurable results of the project work in the Northern Forum it was proposed to change the mechanism of selection, implementation and evaluation of results of NF projects. For this purpose, 10 working groups were created at the level of ministries, departments, committees of the regions responsible for activities of

governments in the region corresponding to the priorities of the Northern Forum to improve the management of project activities, analysis of issues and problems to be the consolidation of intellectual, material and financial resources of members of the Northern Forum.

These working groups develop a work plan, conduct evaluation and selection of projects and carry on responsibility for a common policy of the Northern Forum on a certain area of work, allocate funding of activities of the working group, report to the Regional Coordinators Committee and Board of Governors.

Resolution # 184 approved the Working groups' composition in July 2016 during Regional Coordinators Committee meeting in Anchorage Alaska, US.

Resolution # 188 approved the Working groups' Chairs in March 2017 during Regional Coordinators Committee meeting in Arkhangelsk.

Working Group	Chair
Working group on Regional Adaptation to climate change	Vladimir Vasiliev , Head, Department for External Relations of Sakha Republic (Yakutia), Russia
Working Group on Environment and Conservation of Biodiversity	Sakhamin Afanasiev , Minister of Nature Protection of Sakha Republic (Yakutia), Russia
Working Group on Development of Energy in the North	Nils Andreassen , Executive Director, Institute of the North, Alaska, US
Working Group on Housing in the Arctic	Sergey Kozupitsa , Minister of Construction of Krasnoyarsk Krai
Working Group on Transportation in the North	Aleksandr Shvora , Director, Department of Transportation and Road Facilities of Primorsky Krai
Working Group on Business Cooperation in the North	Timo Rautajoki , President and CEO, Lapland Chamber of Commerce
Working Group on Health in the North and Social Issues	Aleksandr Tsaregorodtsev , First Deputy Director, Ugra Research Institute of Information Technologies
Working Group on Culture	Galina Alekseeva , Chair, Primorsky Krai Civic Chamber
Working Group on Education and Research	Feodosiya Gabysheva , First Deputy Minister of Education and Science of Sakha Republic (Yakutia)
Working Group on Assessment of Quality of Life in the Arctic Regions	Valentina Kondratieva , Head, Centre for Strategic Research of Sakha Republic (Yakutia)

Yakutsk Declaration 2015, adopted at the XII General Assembly, acknowledged the need to continue those projects that were previously approved as a projects of the Northern Forum and the stepwise of their inclusion in the activities of the newly established Working groups.

1.4 Secretariat

In 2013 in compliance with the Resolution of the Board of Governors # 153, the main Northern Forum Secretariat was relocated from Anchorage, Alaska, US, to Yakutsk, Sakha Republic (Yakutia), Russia. The Non-commercial Partnership on Northern Territories' Development "The Northern Forum Academy" that is legally registered in Yakutsk was authorized to function as the Secretariat instead of the Northern Forum Inc.

The Northern Forum Secretariat is responsible for handling current activities and coordination of the regions' activities. The Secretariat operates under the direction of the Northern Forum Executive Director. At the XII General Assembly, Resolution # 174 approved the appointment of Mikhail Pogodaev to a position of Executive Director until next General Assembly.

2. PROJECT ACTIVITIES

2.1 Prevention of addictions

Project Coordinator:

Khanty-Mansiysk Autonomous Okrug-Ugra: Novikov Andrei Petrovich, chief physician of "Surgut Clinical Psychoneurologic Hospital"

Project Members:

Sakha Republic (Yakutia): Матвеева Нюргюяна Петровна, кандидат медицинских наук, научный сотрудник УНЛ «Геномная медицина» Клиники Медицинского Института ФГАОУ ВО «СВФУ им. М.К. Аммосова». Sakha Republic (Yakutia): Nyurguyana P. Matveyeva, Ph.D., "Genomic Medicine" Educational Research Laboratory researcher of NEFU Medical Institute.

Brief Information:

Dangerous reality with alcohol and drug dependencies in the Russian northern regions, and in Alaska has pushed the Northern Forum to the creation in 2006 of a working group in order to improve treatment and rehabilitation programs in Russia and Alaska. Initially, the group consisted of experts from the northern regions: Vologda Oblast, Republic of Komi, Sakha Republic (Yakutia), St. Petersburg, Khanty-Mansiysk Autonomous Okrug-Ugra and Chukotka Autonomous Okrug. At the same time, the activities of the project are carried out in the Khanty-Mansiysk Autonomous Okrug – Ugra, and Sakha Republic (Yakutia). The project manager is the Khanty-Mansiysk region.

Project Goal:

Improving the prevention, treatment and rehabilitation of persons suffering from alcoholism and drug addiction in the regions of “The Northern Forum” International Association.

Project Objectives:

- Establish cooperation between addiction treatment specialists in the Northern Forum member regions;
- Facilitate the development of training programs in the Northern Forum member regions that will help improve treatment, rehabilitation and research programs;
- Develop cooperation with governmental and non-governmental organizations to improve rehabilitation programs;
- Facilitate the exchange of information and research results related to treatment and rehabilitation issues related to alcohol and drug abuse;
- Conduct joint research;
- Organize joint trainings for psychiatrists-narcologists, psychotherapists, psychologists, social workers with the purpose of developing a comprehensive approach to rehabilitation programs;
- Organize the exchange of specialists to improve their skills;
- Develop training programs on treatment and rehabilitation from alcohol or drug dependence;
- Develop treatment and prevention programs that take into account different ethnic groups in the northern regions.

Current Activity:

A seminar with experts from the United States, with published manuals: “Modern approaches to the treatment and rehabilitation of alcohol and other dependencies in the North”, Khanty-Mansiysk, 2006; “Training on the treatment and prevention of unwanted dependencies in the North”, Khanty-Mansiysk, 2007; Videoconference “Stages and strategies of short-term outpatient rehabilitation of patients suffering from addictions, in the North”, Khanty-Mansiysk, 2008.

On the basis of the Khanty-Mansiysk psychoneurological dispensary an experimental ground for drug prevention, treatment and rehabilitation of drug dependence was established, 2008.

A website of the experimental ground <http://narkohealth.ru/> was created.

Delegation of experts of the Khanty-Mansiysk Autonomous Okrug - Ugra to the United States to examine the current concepts and standards for drug rehabilitation of patients in the USA, 2008.

A rehabilitation program for persons suffering from dependencies in the High North has been developed and implemented.

In 2014, work on the project was carried out to examine the associations between polymorphic loci of candidate genes and alcoholism based on ethnicity. In the course of this work visiting research was carried out in various areas of Sakha Republic (Yakutia). The collected biological material (blood of people suffering from alcoholism) is currently undergoing further study (released DNA genotyping and pre-processing of data already received). On the basis of this project the results survey article on the genetics of alcoholism was published in the “Yakutsk Medical Journal”.

Also, theses have been prepared for publication with materials of practical neurology conference in Japan on “Correlation of comorbid neurological disease patients suffering from alcoholism and antisocial behavior”. Authors – Matveeva N.P. and N.V. Xojutanova.

We submitted articles “The implementation of the state policy of a healthy lifestyle in the Republic of Sakha (Yakutia): the analysis of the results, the forecast” for publication in the scientific journal “Siberian bulletin on Psychiatry and Addiction”. Authors: Bokhan N.A., Matveeva N.P., Xojutanova N.V., M.I. Afonskaia, Borisov V.I.

Published in 2014. monograph “Genetic research of population of Yakutia” included an article “Molecular genetic study of hereditary predisposition to

alcoholism in indigenous populations of the North of the Arctic population”,
Authors: N.P. Matveeva, S.S. Kulichkina, N.V. Xojutanova, N.R. Maksimova,
A.N. Nogovitsyna.

Information on healthy lifestyles has been prepared and to be placed on the national children’s portal, developed by the Foundation for future generations of Sakha Republic (Yakutia).

Accomplishments:

In 2017, on the platform of all the institutions of professional and higher education of Khanty-Mansiysk Autonomous Okrug-Ugra, the units of Cybersquad operate, which organize the work of volunteers to form alternative groups in social networks that promote the value of human life, a healthy lifestyle and the identification of antisocial and asocial actions in social networks and the Internet. Daily monitoring of social networks allowed to identify 6 dangerous content regarding the sale of drugs, users were blocked, information was sent to Roskomnadzor.

In addition, 8 groups succumbing to suicide, 32 curators of so-called “whales” were blocked by Cybersquad detachments, 29 people were identified as potential suicides (this information was sent to the competent authorities). In March 2017, a detachment of the Cybersquad of Surgut State University revealed information about a Dark Internet site, regarding narcotic drugs, the manufacture of weapons, etc. Students filed a complaint with Roskomnadzor in connection with the discovery of suspicious information on the site.

Work plan for 2018:

Development of early detection system for narcotic drugs and psychotropic substance abusers. First of all, this applies to students of general educational institutions and vocational training institutions who have undergone socio-psychological testing and (or) preventive medical examination. Direction of identified abusers for more in-depth diagnosis within a specialized medical institution or its structural unit that provides narcological assistance. And also participation in preventive medical examinations of the population aged 18 years and over with the purpose of early detection of psychoactive substance abusers.

Formation of a unified quality control system for chemical-toxicological research on determining psychoactive substances, with the methodological support of federal research centers in this field.

2.2 Suicide Prevention

Project Coordinator:

Khanty-Mansiysk Autonomous Okrug-Ugra: Novikov Andrei Petrovich, chief physician of “Surgut Clinical Psychoneurologic Hospital”

Project Members:

Sakha Republic (Yakutia):

- Albina Sivtseva, coordinator for Sakha Republic (Yakutia), Director of Republican Center for Medical Prevention
- Rita Potapova, Chief Supernumerary Psychotherapist of Ministry of Healthcare of Sakha Republic (Yakutia)
- Serafima Vasilieva, Head, Outpatient Department, Yakut Republican Narcological Dispensary
- Maria Yakovleva, Physiatrist, Yakut Republican Narcological Dispensary.

Brief information:

Suicide has turned into one of the most urgent problems of modern society. According to the World Health Organization more than one million people in the world commit suicide every year, which gives reason to believe suicide is a major cause of death in many countries. An attempt to commit suicide happens in about 10 - 20 times more people. According to statistics, suicides took 4th place as main cause of death, after cardiovascular diseases, cancer and injuries.

Suicide, therefore, is one of the most pressing problems of the modern world - and in remote northern areas, damage from it increases tenfold. "Suicide prevention" project therefore focuses on the establishment of programs combating manifestations of suicidal ideation and suicidal behavior in people, taking into account the effect of sociological, climatic and ethnic factors.

In Russia in 2010 in the structure of mortality the third place is occupied by external causes of death, where the highest percentage of deaths comes from suicide.

Even more urgent is the problem of suicides in the northern regions, where in addition to climatic factors of considerable importance are ethnic and cultural factors.

Project Goal:

Reducing the number of suicide victims in the northern regions that are members of Northern Forum.

Project Objectives:

- Creation of a work group on suicide prevention in the North;
- Study of the problem of suicides in the regions-members of the Northern Forum;
- Development and implementation of programs for the prevention of suicide and suicidal behavior aimed at various sections and groups of the population, taking into account climatic, ethnic, cultural and other factors of the northern regions;
- Develop training programs for professionals involved in the prevention of suicide;
- Development of cooperation with governmental and non-governmental organizations in efforts to prevent suicide.

Accomplishments:

At present, since March 1, 2008, there has been a crisis service operating in Khanty-Mansiysk Autonomous Okrug - Ugra, aimed at prevention of suicides and assistance in crisis situations. For these purposes, emergency psychological support offices and the helpline were established.

The specialists of the service provide free 24 hours-a-day emergency psychological advice and counseling services by calling 8-800-101-1212, 8-800-101-1200 from anywhere in Khanty-Mansiysk AO. In addition, volunteer training program development activities are being carried out in order to prevent suicidal activities among children and young people. Within the framework of the project, a working group on the problem is being established, as well as seminars are held. Participants also take part in international events dedicated to this issue - for example this year, the Yakutian representatives of the project took part in the international congress on the problem of suicide in Finland.

The project is financed directly by institutions involved in the project.

Results Achieved:

In 2017, on the platform of all the institutions of professional and higher education of Khanty-Mansiysk Autonomous Okrug-Ugra, the units of Cybersquad operate, which organize the work of volunteers to form alternative

groups in social networks that promote the value of human life, a healthy lifestyle and the identification of antisocial and asocial actions in social networks and the Internet. Daily monitoring of social networks allowed to identify 6 dangerous content regarding the sale of drugs, users were blocked, information was sent to Roskomnadzor.

Work Plan for 2018:

Within the framework of this project, a method for the prevention of alcoholism and suicide will be developed on the basis of a scientific analysis of the issue in Sakha Republic (Yakutia) and Khanty-Mansiysk Autonomous Okrug - Ugra. It is planned to conduct an analysis of the prevalence of mental and narcological disorders in Sakha Republic (Yakutia) and Khanty-Mansiysk Autonomous Okrug-Ugra, the collection of official data from the psycho-narcological service of SR (Y) and KhMAO-Ugra, interaction with representatives of the Research Institute of Mental Health, cooperation between the Research Institute of Mental Health of the TNI, the Medical Institute of NEFU and the Surgut Clinical Psychoneurological Hospital and media coverage of the project's progress. At the 2nd stage (11.01.2018 - 31.10.2018), it is planned to conduct statistical data processing for the preparation and publication of the Atlas of Mental Health of the Population, the media coverage of the project, the publication of an article in the journal Siberian Herald of Psychiatry and Narcology.

Project Coverage: Sakha Republic (Yakutia), Khanty-Mansi Autonomous Okrug - Ugra.

Date of completion of the project: 29.10.2018.

Justification of the social significance of the project: President of the Russian Federation Vladimir Putin in his report at the IV International Forum "Arctic-the Territory of Dialogue" stressed that "the Arctic becomes the place of the closest attention of countries and peoples. Russia, which covers almost a third of the whole Arctic, is aware of the special responsibility for this huge territory. Our goal is to ensure sustainable development of the Arctic, and this is the creation of modern infrastructure, development of resources, development of industrial base, improving the quality of life of the indigenous peoples of the North, preserving their original culture and traditions, and the Governmental support. " During the forum, the topic of comfortable living in the Arctic was widely discussed. "The Arctic needs healthy and strong centenarians," - said Minister of Health V.Skvortsova, presenting the sad statistics: on the life expectancy in the Arctic and the Circumpolar North as 6-7 years shorter than

the average for Russia. Mortality is 9 times higher. " As she noted this is mostly due to the lack of ultraviolet, immunity issues, delayed regenerative functions and other features that are described in the scientific literature as a syndrome of "polar stress" (Kaznacheev V.P.), which leads to depression and alcoholism in the north. In Yakutia, there is an increase of health disorders requiring psychotherapeutic care. In 2015, in the republic, the proportion of primary patients with nonpsychotic disorders increased by 21.8% (in 2014 - 52%, 2015 - 66.5%). There is a high level of suicides in Yakutia. The main indicator characterizing intense alcoholism issues is the primary incidence of alcoholism. At the end of 2015, the Bulunsky, Verkhoyansky and Even-Bytantaisky districts are leading, or 238.5, 200.9 and 179.3 per 100,000 respectively.

In 2015, there was increase in primary morbidity by alcoholism in 3.5 times in Bulunsky District compared to 2005 results, in Even-Bytantaisky – 2.5 times. The incidence of alcoholism among the female population of the Bulunsky District has a tendency of steady growth, and in 2015, compared to 2005, this indicator grew 5.6 times. For 6 years, the population of the Bulunsky District has decreased by 7%.

The following trends can be traced in KhMAO-Ugra: the rate of primary patients with nonpsychotic disorders increased by 10.4% (2015 - 184.7 per 100 thousand people, 2016 - 203.9 per 100 thousand people). At the end of 2016, there was a 2.9% decrease in the primary incidence rate of alcoholism, which was per 100 thousand people: in 2015 - 77.7 and 2016 - 75.5, but it is necessary to note the insignificant increase in the number of patients with alcoholic psychoses with the first diagnosis in their life, the primary incidence rate of alcoholic psychoses in 2016 increased by 2.9% and amounted to 16.7 per 100 thousand (2015 - 16.3).

Conducting a scientific analysis of the issue of the prevalence of addictive disorders and suicides in the territories of the above-mentioned regions will allow to develop appropriate preventive measures for each region, taking into account the prevalence of various disorders. The adopted preventive measures will increase the duration and quality of life, and thereby increase the human capital of the Arctic territories of the Russian Federation.

Target groups of the project: the population of the SR(Y) and KhMAO-Ugra.

Goals of the project: Goal No. 1: Mental health protection of the population of Sakha Republic (Yakutia) and the Khanty-Mansiysk Autonomous Okrug - Ugra through the introduction of preventive methods.

Objectives of the project:

Objective No. 1: Assessment of the prevalence of mental and narcological disorders in Sakha Republic (Yakutia) and Khanty-Mansiysk Autonomous Okrug - Ugra;

Objective No. 2: Publication of the Atlas of Mental Health of the Population.

Project partners: "Surgut Clinical Psychoneurological Hospital"; "Research Institute of Mental Health" of the Tomsk National Research Medical Center of the Russian Academy of Sciences; Medical Institute of the North-Eastern Federal University (NEFU).

How will the information support of the project be organized? The project will be covered by posting information on the official websites: the Northern Forum, Surgut Clinical Psychoneurological Hospital, the Health Department of the Khanty-Mansiysk Autonomous Okrug - Ugra, the Ministry of Health of the SR (Y) [https : //minzdrav.sakha.gov.ru](https://minzdrav.sakha.gov.ru), NEFU <https://www.s-vfu.ru>, NBC "Sakha" nvk-online.ru, Research Institute of Information Technologies of the National Center of Information Technologies [www. mental-health.ru](http://www.mental-health.ru), and also through regional mass media, published in regional and Russian print media. An article will be prepared and published in the journal Siberian Herald of Psychiatry and Narcology.

Quality results: As a result of the project implementation, work will be organized on the timely detection and prevention of addictive, psychosomatic, depressive and anxious conditions. Providing preventive assistance to residents of the Arctic regions will reduce the level of mortality, increase the duration and quality of life of the High North population.

Further development of the project: This project will be pilot for the Arctic and northern territories of Sakha Republic (Yakutia) and Khanty-Mansiysk Autonomous Okrug, the positive experience of the Arctic regions in the prevention of the spread of psychosomatic and addictive disorders will be informed to other Arctic regions of the Russian Federation.

Project Heads:

Andrei P. Novikov, chief physician of Surgut Clinical Psychoneurological Hospital.

Nyurguyana P. Matveyeva, Candidate of Medical Science, Genomic Medicine educational research laboratory scientist of the Medical Institute of NEFU, a psychiatrist-narcologist.

2.3 Infectious diseases control

Project coordinator: Aleksandr Vladimirov, Chief Doctor, District Clinical TB Dispensary of Khanty-Mansiysk Autonomous Okrug

Member Regions

- Chukotka Autonomous Okrug
- Kamchatka Krai: Gromov Andrey - Chief Physician of Kamchatka Krai TB Dispensary
- Sakha Republic (Yakutia): Aleksandr Kravchenko, Director, Applied Research Centre for Phthisiatry, Maria Vinokurova, Deputy Director for Science, Applied Research Centre for Phthisiatry

Short Briefing

In connection with the spread of dangerous infections in the regions of the North and the growing damage caused by this, the international community has begun to pay more attention to this issue. In 1998, for the joint fight against them the Arctic Council Sustainable Development Working Group ICS project - Circumpolar surveillance was initiated, involving the Arctic regions.

In the next decade, more and more attention was dedicated to the problem of the spread of tuberculosis in the North that prompted hitherto not participating regions to engage in international activities. In 2006, taking into account the high levels of concern about the frequency of tuberculosis in the Arctic, the ICS Steering Committee established the working group on tuberculosis. The working group includes Greenland, Northern Canada, Northern Sweden, northern regions of Russia and the Arctic region of the United States (Alaska). In 2008 the Northern Forum joined the work with the new project "Infectious diseases monitoring".

Currently, the project is carried out on the basis of medical facilities of member regions of the Northern Forum, as well as with the participation of specialists from the former member of the Northern Forum - St. Petersburg. Despite the fact that the project started with the expectation of coverage of common infectious threats, over time the focus shifted to the problem of tuberculosis; therefore, a working group of the Northern Forum of the same name was created.

Today, within the framework of the project:

- The aims and objectives of the Work group on TB are set.

- The governing body of the Work group and the research plan are formed.
- Almost all the countries of the circumpolar region are involved in the activities of the Work group on TB.
- The main issues on the part of the international framework for TB data and position data transmission between the participants of the Work group are resolved
- The goal of the joint study on tuberculosis in the Nordic territories is formulated.

Currently, the aim of collaborative TB research in the northern territories has been determined.

2.3.1 Drug-resistant TB infection monitoring in circumpolar regions of Russia

Project Coordinator:

Aleksandr F. Kravchenko, Director, Applied Research Centre for Phthisiatry, member of the International Circumpolar Surveillance Tuberculosis Working Group (ICS-TB).

Member Regions:

- Sakha Republic (Yakutia) leading region: project head Aleksandr Kravchenko, Director, Applied Research Centre for Phthisiatry, executive Maria Vinokurova, Deputy Director for Science, Applied Research Centre for Phthisiatry
- Kamchatka Krai: executive Gromov Andrey - Chief Physician of Kamchatka Krai TB Dispensary

Cooperation:

- Arkhangelsk Oblast - Andrey O. Maryandyshev, chief phthisiatrist of the North-Western FD, head of the department of phthisiopneumology of the Northern State Medical University, MD, professor, Corresponding Member of the Russian Academy of Sciences, member of the ICS-TB Working Group, research director of Arkhangelsk Regional TB Dispensary.

Short Briefing:

With the support of the NF since 2011 the Applied Research Centre for Phthisiatry, together with phthisiatricians of the Arkhangelsk Oblast and the Khanty-Mansiysk Autonomous Okrug, participates in the International

Circumpolar Surveillance Tuberculosis (ICS-TB) Working Group project, which aims to study the epidemiological surveillance system for TB among the population of circumpolar regions with common geographic and social issues for developing more effective approaches to the strategy to combat tuberculosis in harsh conditions of the Arctic.

The international ICS project started in 1998 for the epidemiological surveillance of infectious diseases in the Arctic regions, and since 2006 a TB team has been established: Greenland, northern Canada, northern Sweden, the northern regions of the Russian Federation and the Arctic region of the United States (Alaska) to identify trends in TB epidemiology development, raising awareness and cooperation in the field of scientific research.

The Applied Research Centre for Phthisiatry participates in the events of the Northern Forum - Infectious Diseases Control Seminar (USA, Alaska, Fairbanks, 2012) in the program of the 15th International Congress on Circumpolar Health; in 2013 in the work of the 11th Assembly of the Northern Forum in Moscow; in October 2014 in the 2nd Assembly of the Arctic Circle (Reykjavik, Iceland), the 16th International Congress on Circumpolar Medicine held in Finland in 2015. There was also a meeting of the ICS-TB Working Group. A joint project on comparative analysis of tuberculosis monitoring systems in circumpolar regions, 12 regions, incl. 3 regions of Russia (Sakha Republic (Yakutia), Arkhangelsk Oblast, Khanty-Mansiysk Autonomous Okrug) has been completed. The ICS-TB Regulations for 2015-16 have been discussed, the work plan has been agreed upon, the situation of tuberculosis monitoring in Greenland, Denmark, Alaska, Canada, and Yakutia has been reported. The following joint projects are planned, especially to study outbreaks in previously well-off areas.

In September 2015, with the support of the NF and the Ministry of Foreign Affairs, a Symposium was held with international participation in the framework of the 12th Assembly of the Northern Forum. Representatives of WHO, ICS-TB, chief phthisiologists from Federal Districts, having northern regions, representatives of the regions.

In 2016, members has made reports at the International Conference on the Tuberculosis, HIV and Sexually Transferred Infection Issues in the Arctic Regions of the Russian Federation (Arkhangelsk) and exchanged experience in practical work. Presented a report on the interregional research conference “Modern methods of TB diagnosis and treatment” (Petropavlovsk-

Kamchatsky). These Arctic regions support cooperation in the framework of the NF Project "Infectious Diseases Monitoring".

To implement the resolution of the Symposium 2015, a zonal meeting on "Improving the organization of anti-tuberculosis care for the population in the modern conditions of the Arctic and Northern regions" was held in March 2016.

An overview paper on the systems and practices of TB surveillance in circumpolar regions was published by the international project Bourgeois AC, Zulz T. , Soborg B., Koch A. *Int J Circumpolar Health*. 2016 Jan; 75 (1): 30322. doi: 10.3402 / ijch.v75.30322. PMID: 28156382.

Project Goal:

The goal of the project is collaborative data collection on determining the characteristics of the development of a tuberculosis infection with multiple and broad drug resistance (M/XDR) pathogens in circumpolar regions in modern socio-economic conditions.

Project Objectives:

1. To study the main epidemiological indicators for tuberculosis in the circumpolar regions of the Russian Federation, the project participants.
2. To study demographic, ethnic and biomedical characteristics of patients with pulmonary tuberculosis with M/XDR.
3. Compare the features and trends in the development of tuberculosis infection with M/XDR in the circumpolar regions for their use in epidemiological studies and in the development of regional programs of anti-TB activities.

Current Activity:

The current activity includes the analysis of data collected, also the dynamics of the main indicators of tuberculosis in the 2 northern regions of the Russian Federation for 2012-2016 was studied. The results show that during this period positive dynamics of the main epidemiological indicators of tuberculosis was noted.

The dynamics show a decrease in the incidence of the general population in both regions, but the incidence of a decrease for children in the Kamchatka Territory is 2 times higher than in the SR(Y) (Table 1). The incidence rate of tuberculosis with MDR in the Kamchatka Territory, in the RS (Y) has increased significantly on an equal level. The decrease in the prevalence of tuberculosis in

the RS (Y) is somewhat higher than in the Kamchatka Krai, incl. with MDR. Mortality declined in both regions by more than 1.5 times. There is an increase in the proportion of MDR TB among the contingent with bacterial excretion, while among new cases in the Kamchatka Krai the increase was 1.4 times, in the SR (Y) a slight decrease, up to 1.2 times (Table 2). It should be noted a significant increase in the proportion of patients with TB and HIV among contingents, and especially among new cases in the SR(Y), which is a very negative fact in the future.

In February 2017, by the suggestion of the NF, they participated in a meeting of the Arctic Council's AMAP working group (Yakutsk) with a report on the TB Monitoring Project.

In September 2017, they made a presentation at the interregional Scientific and Practical Conference "Childrens' and Teenagers' TB Issues" (Petropavlovsk-Kamchatsky).

The Interregional Scientific and Practical Conference "Medico-social issues of multidrug-resistant tuberculosis in the Arctic" planned for October 2017 with international participation (within the framework of the Northern Forum project) in connection with the Order of the Ministry of Health of Sakha Republic (Yakutia) No.01-07/980 dated 08.06.2017 on state budget expenditures efficiency was excluded from the Plan of the main organizational measures of the MH of SR(Y) for 2017.

In November 2017, the Research Conference "Actual Issues of Infectious Diseases" was held in the framework of the VIII Congress of the NEFU with international participation "Ecology and human health in the North".

There were business trips to the northern districts of Yakutia: Eveno-Bytantskiy, Nizhnekolymskiy, Verkhoyansky, the situation was studied, practical assistance was provided.

Results Achieved:

As a result of studies and discussions at the federal, interregional and republican levels, the need to monitor tuberculosis infection with multiple drug resistance in the circumpolar regions of Russia was determined. It is due to high epidemiological indicators of tuberculosis in the northern regions, an increase in the spread of strains of the causative agent of infection with M/XDR, the need to assess the trend of their spread and raise awareness of the situation in other regions with common problems.

The revealed significant differences in the level and dynamics of epidemiological indicators in the northern regions are due to differences in the degree of accessibility of medical care and in the quality of antituberculous activities: prevention, detection, bacteriological diagnosis, treatment and dispensary observation of tuberculosis patients.

All this urges the need to develop more improved anti-TB combat organizational forms, which takes into account geographic and climatic features, socio-economic and material-technical differences, the degree of anti-tuberculosis personnel provision in the northern regions of Russia.

Work Plan for 2018:

- Participation in the 17th Congress on Circumpolar Medicine, Copenhagen, August 2018;
- Meeting with the ICS-TB working group, at the same place;
- In order to continue the Project, the Magadan and Sakhalin Oblasts, the Chukotka Autonomous Okrug, etc. should be involved;
- Data collection on the Project to be continued;
- Participation in research/science conferences of northern regions on tuberculosis to discuss issues and share experiences;
- To conduct an interregional scientific and practical conference in Yakutsk and to motivate the Arctic regions to participate in the Northern Forum Project, financial support in the form of NF grants is required for research activities to improve monitoring of the spread of TB infection, for personnel training activities, for the exchange of experience and holding of thematic symposia, seminars.

2.4 Telemedicine

Project Coordinator:

Matvey Kh. Nikolayev, Head of Telemedicine Centre “Republican Centre for Disaster Medicine” under Ministry of Healthcare of Sakha Republic (Yakutia), Ministry of Healthcare of Sakha Republic (Yakutia) International Telemedicine Cooperation Projects coordinator.

Project Member Regions:

- Sakha Republic (Yakutia), Russia - Matvey Kh. Nikolayev, Head of Telemedicine Centre “Republican Centre for Disaster Medicine” under Ministry

of Healthcare of Sakha Republic (Yakutia), Ministry of Healthcare of Sakha Republic (Yakutia) International Telemedicine Cooperation Projects coordinator.

- Khanty-Mansiysk Autonomous Okrug, Russia - Aleksandr Tsaregorotsev, Deputy Director for Science, Ugra Research Institute of Information technologies

- State of Alaska, USA – Stewart Ferguson, Director of the Federal Health Network for Alaska Indigenous Tribes

- Gangwon Province, Republic of Korea - Dr. Ahn MooEob, Hallym University Medical Center “Holy Heart”, Cheuncheon

Brief Description:

One of the priority projects of the Northern Forum aimed at solving social issues of the North population is the international project of cooperation in the field of telemedicine between the Republic of Sakha (Yakutia) and Alaska, initiated due to the active work of the secretariat of the Northern Forum, cooperation with foreign partners, direct work of specialists abroad.

The goal of the project is to promote the development of telemedicine in the Republic of Sakha (Yakutia) and Khanty-Mansi Autonomous Okrug using telemedicine workstations and telemedicine technologies used in Alaska (USA) and Kangwon Province, Republic of Korea.

In general, the project will promote the introduction of mobile telemedicine technologies and create a network of specialists who will work and help each other in telemedicine services to the remote northern communities.

Activity:

The International Telemedicine Project, launched under the auspices of the Northern Forum, has achieved some successes, in the framework of organized seminars and the exchange of experience in Messrs. Anchorage, Seward, Khanty-Mansiysk, Yakutsk, Seattle, Pyongchang. The last international seminar was held in October 2013 in Yakutsk, where a delegation of 8 specialists from the Republic of Korea participated. The main presentation at the seminar was a presentation by Dr. Ahn MooEob, Hallym University Medical Center “Holy Heart”, Cheuncheon, Korea about a technologically advanced telemedicine that is routinely used in all medical institutions in Korea and long being used at homes of every patient, as a home telemedicine set.

Today, all 34 central district hospitals of Yakutia, leading multisectoral republican hospitals and dispensaries, have computer and telecommunication equipment for conducting full-scale telemedicine consultations on IP telephony and videoconferencing, with the possibility of demonstrating medical images and data. Annually about 20 thousand patients with complex health issues are consulted remotely.

Within the framework of the Healthcare Development Program of the Republic of Sakha (Yakutia) for 2012-2016, the Ministry of Health of the Republic of Sakha (Yakutia) carries out program activities (9.2. Development of telemedicine technologies) to provide the people with affordable medical assistance using telemedicine technologies, in particular - remote transmission of electrocardiograms (ECG), patients with cardiovascular diseases, to Telemedicine and Consultative Centers of Republican hospitals, through mobile communication (digital GPRS, CSD channels). To date, 150 telecardiographs have been used in the central district hospitals in the country, 2,400 ECGs have been transmitted, 2000 consultations on complex patients have been received, and the number of consultations annually increases by 300%!

In 2015, as part of the program, the telemedicine information system AMS Doctor.Net was introduced in district and republican hospitals / dispensaries of the SR(Y). This system of delayed telemedicine consultations is designed to conduct telemedicine consultations between physicians in order to clarify the diagnosis, treatment tactics, and teleconceptions.

In 2016, 18 Arctic and northern central district hospitals were equipped with telemedicine diagnostic complexes of the 24-hour ECG monitoring system and arterial pressure by Valenta complexes, with electronic transfer of functional diagnostic data from Yakutia's districts to the consultation center, in order to ensure timely detection of diseases, reducing mortality from cardiovascular diseases. Central district hospitals began an important diagnosis of Holter monitoring of patients, with the transfer of arrays of functional diagnostic data to our consultation center of the functional diagnostic department. Before that, all patients who needed Holter monitoring were forced to fly to Yakutsk, which entails great financial and attendant costs. But thanks to this project and telemedicine technologies, the people of these areas can receive differential diagnosis of cardiovascular diseases at the place of residence!

In June 2016, the Telemedicine Center was established on the basis of the Republican Center for Catastrophe Medicine of the Ministry of Health of Sakha Republic (Yakutia), and from 16.06.16 the established telemedicine center

started emergency telemedicine consulting work using videoconferencing, between the central district hospitals and republican hospitals / dispensaries of Yakutia. More than 800 emergency telemedicine consultations were held, saving more than 75 million rubles, as compared to costly traditional consultations.

In 2017 the Republican Center for Catastrophe Medicine purchased complex equipment for the Telemedicine Center for Emergency Teleconsultations and intensive care units of the central district hospitals, for demonstrating all required documents and medical images of necessary quality, excluding ambiguous interpretation, with the demonstration of the most serious patients (victims) during emergency telemedicine consultations, video conferencing system, designed for emergency telemedicine consultations, where requests come from fixed and mobile telemedicine consultation units. The basis of the Emergency Telemedicine Advisory Service for Patients and Victims in Emergency Situations has been created for conducting tele-consultations of doctors of state and municipal medical organizations of the Republic of Sakha (Yakutia). The system of emergency medical assistance with the use of telemedicine technologies allows to interact with the operational units of the Ministry of Emergency Measures, the Ministry of Internal Affairs of Russia, federal, interregional and regional health authorities and centers of catastrophe medicine.

In 2018, the Emergency Telemedicine Consultations System will continue to develop at the rural healthcare level.

Proposals for the development and improvement of the Telemedicine project:

1. Joint work of the Northern Forum partners for obtaining state support for targeted telemedicine programs and budget financing for the implementation of telemedicine development projects in Sakha Republic (Yakutia) and Khanty-Mansiysk AO, including of international level, with the aim of applying the best foreign experience.
2. Opening the Yakutsk representative offices of the following medical industry companies: a) Alaska, USA (AMD Telemedicine) b) Kangwon Province, Republic of Korea. Joint cooperation in the field of telemedicine technologies. Purchase of mobile telemedicine complexes with modern medical devices used abroad;

3. To organize an international circumpolar telemedicine conference in 2017. The conference will help to develop the Arctic telemedicine program for northern regions, primarily in Sakha Republic (Yakutia).
4. To conduct planned training and internships for health professionals on international exchange programs.
5. Sharing foreign telecommunication networks technologies for telemedicine systems for introduction in the telemedicine healthcare network of Sakha Republic (Yakutia) and Khanty-Mansiysk AO;
6. Implementation of the best software solutions - applications to mobile devices in medical organizations of the telemedicine healthcare network of the SR(Y) and KhMAO.
7. Introduction and development of home telemedicine technologies, telemedicine systems for dynamic monitoring of patients suffering from chronic diseases and creating a network of telemedicine services for socially unprotected people.

2.5 Development of specially protected areas

Working Group Chair:

Yakov S. Sivtsev, Director of the Directorate for bioresources and specially protected areas under Ministry of Nature Protection of Sakha Republic (Yakutia)

Executive Secretary of the working group:

Fyodor N. Stulov, Head of Specially Protected Areas Department of Leningrad Oblast Committee on Natural Resources

Coordinator:

Sargylaana G. Mikhailova, Head of Specially Protected Areas Department of the Directorate for bioresources and specially protected areas under Ministry of Nature Protection of SR(Y)

Project Member Regions:

- Leningrad Oblast: Fyodor N. Stulov, Head of Specially Protected Areas Department of Leningrad Oblast Committee on Natural Resources
- St. Petersburg: Tatiana V. Kovaleva, Director of the Directorate of Protected Areas of St. Petersburg
- WWF Russia: Mikhail S. Stishov

- Krasnoyarsk Krai: Borzykh Pavel Leonidovich, Director of the Directorate of PAs of the Krasnoyarsk Krai

Brief Information:

"Development of Specially Protected Natural Areas" is one of the projects in the "Environment" area, implemented within the framework of the Northern Forum along with such areas as "Sustainable Development" and "Society and Culture". The first seminar on the development of PAs was held in 2012 as part of the chairmanship of the Republic of Sakha (Yakutia) in the Northern Forum. The second seminar "Mechanisms for ensuring the PA regime: The experience of the regions of the Russian Federation and the regions participating in the Northern Forum" was held in 2015 in St. Petersburg.

Representatives of more than 10 regions of the Russian Federation, 8 foreign countries, as well as a number of international organizations that are members of the above-mentioned Northern Forum working group took part in the seminar.

Since a significant part of the northern regions of the world is occupied by PAs, the implementation of this project is important, both for employees of nature protection areas and for executive authorities in the field of nature protection and ecology. Familiarization with the experience of other regions in the sphere of PAs, as well as the establishment of business contacts, helps strengthen cooperation in an important area of Northern and Arctic relations.

Goal:

The activities of the working group are aimed at improving the environmental performance of the PA system in the interests of sustainable development of the northern regions, improving the management system for preserving the natural environment, and ensuring environmental stability.

Objectives:

- a) Organization of systematic exchange of information on regional policies in the field of environmental protection and development of PAs
- b) Establishment of cooperation with working groups and permanent participants of the Arctic Council (CAFF organizations, indigenous peoples of the North and observers), commissions of the International Union for Conservation of Nature, organizations of the World Wildlife Fund (WWF) in the participating countries of the working group

c) Use of ecological education in the environmental work in order to promote spiritual and moral, ecological traditions of the peoples of the North

d) Joint work on upgrading the skills of PA specialists

e) Development of standards for the number of state inspectors in the field of environmental protection in the Russian Federation, as well as standards for material and technical support for state inspectors in the field of environmental protection, exercising their powers in the PAs of regional importance, and providing cordon farms

f) Development of measures of state support and protection of the activities of non-staff public environmental inspectors, including financial support of activities (equipment, remuneration for activities), physical protection and insurance

g) Creation of a geoinformation system in order to create a platform for solving state and municipal governance issues in the PAs

Current Activity:

The members of the working group are actively cooperating in the joint resolution of issues related to organizing the functioning of PAs and ensuring efficiency.

Results Achieved:

Consultations were held with the staff of the Committee on Natural Resources of the Leningrad Oblast, the Directorate of the PAs of St. Petersburg on the organization of a scientific and practical conference in Yakutsk, with the staff of the PA of the Krasnoyarsk Krai, the Khanty-Mansi Autonomous Okrug on the provision of the PA regime, discussion of the Primorsky Krai experience of creating anti-poaching brigades. Working contacts are maintained with all members of the working group.

Within the framework of interaction with the members of the working group - the Yamalo-Nenets Autonomous Okrug the following activities were carried out:

The head of UBR Popov A.L. visited Salekhard, in order to get familiarized with the life of musk ox. During the trip, meetings were held with the staff of the nature protection institutions of the Yamal-Nenets Autonomous Okrug (Department of Natural Resource Regulation, Forest Relations and Oil and Gas Complex of the Yamal-Nenets Autonomous District, State Institution "Service

for the Protection of Biological Resources of the Yamal-Nenets Autonomous Okrug", "Polar-Uralsky", PA Administration). Certain agreements were reached on the issue of the transfer of musk oxen.

Within the framework of the interaction of the members of the working group, a scientific and practical conference with international participation "Specially Protected Natural Territories: Current State and Future" was held in Yakutsk.

The conference was included in the Main Plan for holding the Year of PAs in the Russian Federation in 2017, approved by the decree of the Government of the Russian Federation No. 2720-r dated December 26, 2015 and is dedicated to the 100th anniversary of nature protection in Russia.

In mid-2017, the chairman of the working group Yakov Sivtsev took part in the NF Regional Coordinators Committee meeting in Khanty-Mansiysk. In the course of which the regional coordinators and experts had a roundtable discussion of the NF project activities, where Yakov Sivtsev delivered a project progress report on the development of specially protected natural areas.

Work Plan for 2018:

Maintaining working contacts with the members of the working group, forming a package of information and proposals for the development of local projects, holding teleconferences, consultations between the members of the working group to discuss issues related to the implementation of the project.

2.6 Schools Partnership

Project Coordinator:

Dora Yegorova, teacher of English, Yakut City National Gymnasium

In 2017, Schools Partnership project was engaged in the following areas:

- Correspondence
- Skype Talk
- Online Olympiad in English
- Metasubject Olympiad
- Waste Sorting
- Ecobag
- Scientific-Practical Conference in English
- Clothing in the North

- Northern Sports
- Polar Explorers' Day

Report Objectives:

To evaluate the success of the Schools Partnership project for 2017 and promote dialogue and possible cooperation between educational institutions in the Northern countries.

Yakut City National Gymnasium partner-schools:

- Xamaqatta Saxa-French Lyceum, Nam District, Sakha Republic (Yakutia)
- Nam Uluus Gymnasium, Nam, Nam District, Sakha Republic (Yakutia)
- Berzigesteex Secondary School with in-depth study of individual subjects, Berzigesteex, Gorny District, Sakha Republic (Yakutia)
- Saaskylaax Secondary School, Saaskylaax, Anaabyr Dolgan-Evenki District, Sakha Republic (Yakutia)
- Dudinka Secondary School #1, Tajmyr Dolgan-Nenets Municipal District, Krasnoyarsk Krai
- Abyj Secondary School, Abyj, Abyj District, Sakha Republic (Yakutia)
- West High School, Anchorage, Alaska, USA,
- Stanhope Primary School, London, UK,
- Taruno High School, Hobart, Australia.

Scientific and Practical Conference "School of Life in the North"

The scientific and practical conference "School of Life in the North" in English is held for the third year within the premises of the Yakutsk City National Gymnasium. This year, a total of 124 applications from 12 regions of Sakha Republic (Yakutia) and Khanty-Mansiysk Autonomous Okrug of the Russian Federation were submitted for participation in the conference:

- Amga District;
- Curapcy District;
- Menge-Xangalas District;
- Ust-Aldan District;
- Tompo District;
- Orto-Xalyma (Srednekolymskiy) District;

- Anaabyr District;
- Nam District;
- Gorny District;
- Suntaar District;
- Wuohe-Zaangy (Verkhoyanskiy) District;
- Wojmokoon (Oymyakonskiy) District;
- Poykovskiy Settlement, Nefteyuganskiy Region, Khanty-Mansiysk Autonomous Okrug.

A total of 32 schools participated in the conference.

The jury noted the high quality of the recommended works, despite the fact that in connection with the cold-weather days in Yakutsk, the event was postponed and changed from full-time to correspondence. Works were accepted by e-mail until March 4, 2017 as a Word document with video defense application.

Online Olympiad "School of Life in the North"

From February 15 to March 18, 2017, the School of Life in the North, an Olympiad for schoolchildren was held as part of the activities of the Northern Forum, with the support of the Ministry of Education and Science of the Sakha Republic (Yakutia), the Institute for the Development of Education and Professional Development of Sakha Republic (Yakutia), the Institute of Foreign Philology and Regional Studies of the North-Eastern Federal University (NEFU).

The Olympiad consists of two olympiads: an online olympiad in English and a meta-subject (creative) olympiad.

Online Olympiad (test) is conducted in the form of test tasks in English and selected subjects in English (biology, physics, mathematics, history, geography). Grade 2 to 11 schoolchildren from 14 districts of Sakha Republic (Yakutia), Yakutsk, Yamalo-Nenets, Khanty-Mansiysk and Chukotka Autonomous Okrugs took part in the online Olympiad. A total of 538 students.

The meta-subject (creative) Olympiad is held in the form of creative work in any of the languages (native, Russian, English). Of the questions asked, students choose one and answer, giving arguments, tables, links, etc. A total of 135 students took part in the meta-subject Olympiad.

Conclusion:

It should be noted that the project activity is included in the general school plan of educational institutions and in the life activity of the student team, the youth of settlements.

Recommendations for the project:

- conducting online Olympiad for schoolchildren by foreign educational institutions, language centers;
- holding a scientific and practical conference, an online Olympiad in English, a meta-subject Olympiad on the basis of the YEF (Youth EcoForum);
- participation of schoolchildren in the research work of scientists and researchers, research centers;
- search for social partners of the project.

2.7 Festival of Northern Fishing Traditions

Project Coordinator:

Tero Mustonen, Snowchange Co-op President

Project Participants:

See the partners' list below.

Brief Information:

Festivals of Northern Fishing Traditions were established during the period from 2014 to 2017 as an effective mechanism for establishing contacts and uniting fishermen engaged in small-scale individual fishing, artisanal fisheries and professional anglers representing indigenous peoples and local traditions, both genders in the territory of the Eurasian North. Previous festivals were held in:

- North Karelia and the territory of the Koltta Saami residence, Finland, September 2014
- Ezigeen (Zhigansk), Sakha Republic (Yakutia), Russia, September 2016

Project's Goal:

Association of fishermen engaged in small-scale individual fishing, artisanal fisheries and professional anglers representing indigenous peoples and local traditions of both sexes in the territory of the Eurasian North to strengthen their potential and vitality.

Project Objectives:

A full-scale preparation for the third Festival of Northern Fishing Traditions is currently under way and is tentatively scheduled to be held in Tornio, Finland, at the end of August 2018.

We expect the following organizations and people to participate in the Festival (preliminary)

- Saami indigenous and local communities and fishermen from Finland and Sweden
- The Northern Forum
- Low Impact Fishermen of Europe organization
- Commission for the Swedish-Finnish Border River
- Many other stakeholders and organizations

Taking into account the need to prepare Siberian and Russian indigenous delegates, we issued the first invitation to participate in the Festival in June 2017. We particularly welcome fishermen engaged in small-scale individual fishing, artisanal fisheries, professionals representing indigenous peoples and local traditions, both sexes from:

- Ezigeen (Zhigansk) and Allara-Xalyra (Nizhnyaya Kolyma), Sakha Republic (Yakutia), Russia
- Khanty-Mansiysk Autonomous Okrug, Russia
- Kamchatka Krai, Russia
- Other regions, if needed

The process of sending invitations continued in October-November 2017.

Current Activity:

We set the date for the Festival - from 5 to 9 September 2018 in Tornio, Lapland, Finland. At the moment, we are looking for additional funding and send invitations. We plan to hold a Festival of Northern Fishing Traditions in the Khanty-Mansiysk Autonomous Okrug in 2020, if possible.

Outcome:

Videos, reports and documentation of problematic issues and views of fishermen engaged in small-scale individual fishing, artisanal fisheries and

professional anglers representing indigenous peoples and local traditions of both sexes in the territory of the Eurasian North

Work Plan for 2018:

Organization of the Festival of Northern Fishing Traditions in Tornio, Finland, in conjunction with the Northern Forum. We are interested in promoting this event at the General Assembly, if necessary.

2.8 Red Book Through the Eyes of Children

International project "Competition-exhibition of children's creativity "Red Book Through the Eyes of Children" in the framework of the International Ecological Action "To Save and Preserve" under the aegis of the Commission of the Russian Federation for UNESCO, the Northern Forum.

Project Coordinator:

Olga Stytsyuk, Director of the Local History Museum “Otrazheniye” (“Reflection”) "Culture and Sports Center", History Teacher and Secondary School # 7, (Talinka, Oktyabrsky District, Khanty-Mansiysk Autonomous Okrug - Ugra)

Project Member Regions:

Foreign countries, Northern Forum members:

1. USA, Alaska (Anchorage)

Russian Regions, Northern Forum members:

1. Kamchatka Krai
2. Krasnoyarsk Krai
3. Magadan Oblast
4. Nenets Autonomous Oblast
5. Primorsky Krai
6. Sakha Republic (Yakutia)
7. Khanty-Mansiysk Autonomous Okrug-Ugra
8. Chukotka Autonomous Okrug
9. Yamalo-Nenets Autonomous Okrug

Other Participants (non-NF members):

Foreign countries:

1. Hungary

2. Belarus
3. Bulgaria
4. Kazakhstan
5. Kyrgyzstan
6. Moldova
7. Uzbekistan
8. Turkey
9. Ukraine
10. Finland
11. Sweden
12. Estonia

Regions of the Russian Federation – 74 regions (65 + 9 NF member-regions):

1. Republic of Adygea
2. Republic of Bashkortostan
3. Republic of Dagestan
4. Republic of Kalmykia
5. Republic of Karachay-Cherkessia
6. Republic of Karelia
7. Komi Republic
8. Republic of Crimea
9. Mari El Republic
10. Republic of Mordovia
11. Republic of Tatarstan
12. Tyva Republic
13. Udmurt republic
14. Republic of Khakassia
15. Chuvash Republic
16. Altai region
17. Transbaikal region
18. Krasnodar region
19. Perm Region
20. Stavropol region
21. Khabarovsk Krai
22. Amur Oblast
23. Arhangelsk region
24. Belgorod region
25. Bryansk region

- 26.Vladimir region
- 27.Vologda Region
- 28.Volgograd region
- 29.Voronezh region
- 30.Ivanovo region
- 31.Irkutsk region
- 32.Kaliningrad region
- 33.Kaluga region
- 34.Kemerovo Region
- 35.Kirov region
- 36.Kostroma region
- 37.Kurgan region
- 38.Leningrad region
- 39.Lipetsk region
- 40.Moscow region
- 41.Murmansk region
- 42.Nizhny Novgorod Region
- 43.Novgorod region
- 44.Novosibirsk region
- 45.Omsk Region
- 46.Orenburg region
- 47.Oryol Region
- 48.Penza region
- 49.Pskov region
- 50.Rostov region
- 51.Ryazan Oblast
- 52.Samara Region
- 53.Saratov region
- 54.Sverdlovsk region
- 55.Smolensk region
- 56.Tambov Region
- 57.Tomsk Region
- 58.Tula region
- 59.Tyumen region
- 60.Ulyanovsk region
- 61.Chelyabinsk region
- 62.Yaroslavl region
- 63.Moscow

64.Saint Petersburg

65.Jewish Autonomous Region

Brief Information:

The Project is carried out in three stages:

I stage (correspondence) - competition of creative works, which includes two areas: artistic and literary, in seven categories: graphics; arts and crafts; painting; sculpture; the photo; poetry; essay.

The second stage includes the work of the jury and mobile exhibitions in the cities of the Khanty-Mansiysk Autonomous Okrug - Ugra, the Russian Federation and beyond

III stage - the outcome of the project - the publication of a book-compilation of creative works of the laureates of the competition (electronic versions of books on CD-disks are presented).

The collection is not only a catalog, but also a kind of methodical tool with aphorisms about nature and ecology, with ecological dates and indicating the names of the Red Data Book species of the Russian Federation. Published books are distributed to libraries, educational institutions, museums.

To participate in the project are invited to study organizations that carry out educational activities of primary and secondary vocational education, additional education (art schools, studios, circles) at the age of 6 to 17 years (inclusive), living both in the territory of the Russian Federation and outside .

Adults (teachers, supervisors) take part in the Project as consultants, experts, jury members.

The priority category for which the project has world-view significance are children who, through environmental education, environmental and artistic, environmental and creative activities, are involved in a concrete practical case for preserving the unique life of endangered species of nature. This strengthens the environmental aspect of general and environmental education in shaping the humane attitude of the younger generation to the environment, in organizing not passive, but active participation in practical environmental activities - the ecological imperative.

Project's Goal:

Formation of ecological culture and active life position of the younger generation in relation to the problem of reducing the species diversity of flora and fauna of individual regions and the planet as a whole.

Project Objectives:

- attracting the attention of the world community to the existing problems of environmental protection;
- development of international children's cooperation in the field of ecology through the exchange of experience in the implementation of a variety of creative and environmental activities;
- popularization of the careful attitude to the natural resources of the planet, Russia and its small homeland by means of artistic visual creativity;
- education of children from different countries and regions with respect to common human values in accordance with the principle of preservation of cultural and natural diversity;
- stimulation and development of creative potential of students on the basis of studying natural and historical and cultural heritage;
- intensification of propaganda of conservation of certain species of flora and fauna as integral parts of the sustainable development of whole natural complexes.

Current Activity:

Reception and registration of creative works, work with the jury and eco-volunteers, a selection of aphorisms. Publication of the collection of the best creative works (laureates) of the Project. Conducting traveling exhibitions, excursions and presentations at events of different levels in the cities of the Khanty-Mansiysk Autonomous Okrug-Ugra and the Russian Federation, near and far abroad (by agreement). Distribution of award documents based on the results of the Project.

Results Achieved:

- Cooperation is developing between 74 Russian regions and 13 project countries (Hungary, the Republic of Belarus, the Republic of Bulgaria, the Republic of Kazakhstan, the Republic of Kyrgyzstan, the Republic of Moldova, the Republic of Uzbekistan, the Republic of Turkey, Ukraine, the Republic of Finland, the Kingdom of Sweden, the Republic of Estonia,) for project implementation

- partnerships have been established to organize mobile exhibitions and project presentations with cultural and educational institutions in the regions of the Russian Federation and near and far abroad countries (the Khanty-Mansi Autonomous Area-Yugra, the Yamalo-Nenets Autonomous District, the Republic of Sakha (Yakutia), the Republic of Karelia, the Vladimir Region , St. Petersburg, Moscow, USA (Alaska, Anchorage), Finland (Turku) .The mobile exhibitions will continue their work (as agreed);

- publication of book-catalogs based on the results of the project, presentation of the project, publication of the project in the periodical press;

- dissemination of museum and pedagogical experience (project method) within the professional community: exhibitions, master classes, round tables, presentations at seminars, conferences, congresses, forums, including in the northern regions of the "Northern Forum" (Kamchatka Krai , The Krasnoyarsk Territory, the Magadan Region, the Nenets Autonomous District, the Primorsky Territory, the Republic of Sakha (Yakutia), the Khanty-Mansi Autonomous Area - Yugra, the Chukotka Autonomous District, the Yamalo-Nenets Autonomous District).

- Mobile exhibitions, excursions and presentations of the 2017 Project were held:

- at the Interdepartmental District Seminar: "Design and Research Activity as a Means of Forming the Ecological Culture of Students in the Framework of the Requirements of GEF and FGT", (October District, January 25, 2017 - Certificate of Honor);

- in the branch of the State Art Museum "House-Museum of the People's Artist of the USSR VA. Igoshev "(Khanty-Mansiysk, March 2017);

- at the International Youth Ecological Forum "The Arctic is Our Home" (Salekhard, April 13-16, 2010);

- in the Ethnographic Open-Air Museum "TorumMaa" (Khanty-Mansiysk, May-August 2017);

- in the branch of the State Art Museum "House-Museum of the People's Artist of the USSR VA. Igoshev "(Khanty-Mansiysk, May-03 July 2017);

- Museum Art-Mayevka (Khanty-Mansiysk, May 20, 2017 -Spets, Diploma of audience sympathy);

- at the opening of the XV International Ecological Action "To Save and Preserve" (Khanty-Mansiysk, May 19, 2017)

- at the International Youth Environmental Forum "One Planet - One Future" (Khanty-Mansiysk, May 29-June 02, 2017 - Certificates, Special Diploma of UNESCO);

- in the regional scientific and practical conference "Development of environmental education in Ugra" (Khanty-Mansiysk, May 30, 2017 - Certificate);

- in the framework of the National Crystal Compass Prize (Sochi, May 19, 2017 - Diploma of the finalist in the nomination "Education");

- at the meeting of the Committee of Regional Coordinators of the Northern Forum (Khanty-Mansiysk, June 29-July 01, 2017);

-In the International Plein Air of Young Artists (Vladimir, August 17-August 23, 2017 - Diploma I of art, Thank You Letter, Gratitude, Certificate);

at the Interregional Scientific and Practical Conference "Development of the Ethnocultural Educational Space of Ugra: Actual Problems and Effective Practices" within the framework of the II Congress of Pedagogical Workers of the Khanty-Mansiysk Autonomous Okrug - Yugra "Effective Governance as a Basis for Improving the Quality of Education" (Igrim-N.Narykary 28 -29 August 2017 - Certificate);

- VI All-Russian Educational Forum "School of the Future", XXV Conference "Problems and Prospects for the Development of a Modern School in Russia", Competition "100 Best Russian Schools" (St. Petersburg, October 27-30, 2017 - Diploma of the laureate);

at the II International Scientific and Practical Conference "Siberian Ugrians in the Necklace of Subtropical Crops: Common and Unique" (Khanty-Mansiysk, October 30-November 1, 2017 - Certificates);

- at the XVIII district seminar of the heads of school forestries and the district junior forest competition "Podrost - 2017". "For the preservation of nature and respect for the forest wealth" (Kogalym, December 14-15, 2017 - Diploma II in the nomination "Protection and protection of the forest", letters of appreciation).

Work plan for 2018:

- Take part in the XIII General Assembly of the Northern Forum in Krasnoyarsk, April 11-12, 2018;
- To take part in the work of the Congress on Conservation of Arctic Biodiversity - 2018, Rovaniemi, Finland, 9-11 October, 2018;
- Involve the Northern Forum member countries: Iceland (Akureyri), the Republic of Korea (Kangwon Province), and the Finnish Republic (Lapland) in a more active participation in the Project.
- Continue working with the northern regions of the Russian Federation - members of the Federation Council: the Kamchatka Territory, the Krasnoyarsk Territory, the Magadan Region, the Nenets Autonomous District, the Primorsky Territory, the Republic of Sakha (Yakutia), the Khanty-Mansi Autonomous Area - Yugra, the Chukotka Autonomous Okrug, the Yamalo-Nenets Autonomous District).
- Involve the remaining 11 regions of the Russian Federation in the Project.
- Distribution of award documents based on the results of the Project.
- Further implementation of the first and second stages of the Project: advertising the project in the media, sending out the situation, receiving and registering the work. Preparation and carrying out of mobile exhibitions, excursions, presentations (by agreement)

2.9 International Arctic Center for Culture and Arts

Project coordinator:

Sargylana Ignatieva, rector of the Arctic Institute of Culture and Arts.

Project Regional Members:

Republic of Sakha (Yakutia): Ignatieva Sargylana, Rector of the Arctic State Institute of Culture and Arts

Brief information:

The Center's activities are aimed at implementing systematic work to preserve, develop, promote the culture of the Arctic peoples, to produce creative ideas and sociocultural innovations, to implement international humanitarian programs designed to provide a new geocultural development strategy in the Arctic region, as well as to unite scientists, arctic experts, arts and culture.

Project's Goal

Providing services in the sphere of fundamental and applied scientific research of the culture and art of the peoples of the Arctic, implementing creative and educational projects and popularizing the cultural heritage of the peoples inhabiting the Arctic region.

Project Objectives:

Formation of a specialized electronic resource center for the culture and art of the peoples of the Arctic, which includes an Arctic audiovisual library, a library, an electronic library and a virtual museum.

Conducting scientific research in the field of culture and art of the peoples of the Arctic by international groups of scientists with the joint organization of expeditionary research work, seminars (conferences), and publication of research results in rating editions.

Formation of the Center as a kind of "point" of entering the world of Arctic culture through mobile educational projects - open public lectures, discussions, master classes available for all age, social and professional groups.

Support and development of innovative forms of art and culture created on the basis of the traditional culture of the Arctic peoples (performances, films, exhibitions, installations, concerts, etc.)

Production and production of scientific and educational multimedia and audiovisual projects on the culture of the Arctic and their promotion in the television and cinema space of Russia and the world.

The interaction and cooperation of the Center in the field of science, culture and education with all interstate and public organizations, whose mission is connected with solving problems in the Arctic,

Support cultural initiatives in business projects related to the presentation of cultural heritage.

Current activity:

For today, the center's project is the publication of the popular science magazine "Culture and Art of the Arctic".

The publication is realized in the form of two interconnected blocks - the traditional scientific journal (academic core), which publishes scientific and critical articles, reviews, reviews and translations; and a scientific and journalistic section containing topical analytical materials of a broad, popular journalistic orientation. An important part of the project is to establish and

maintain a permanent dialogue, discussion and exchange of information throughout the Arctic.

Topics: Culture and Civilization, Architecture, Applied Fine Arts, Musical Folklore, Museum, Library, Heritage of the Arctic Names and Portraits, Ideas and Projects of the Arctic.

Results Achieved:

To date, 2 issues have been issued in paper format in two languages (Russian and English), as well as electronic versions of the publication on the Internet.

Work plan for 2018:

Publication of a new issue of the magazine "Arts and Culture of the Arctic", participation in grants competitions.

[2.10 Human in the Arctic](#)

Project coordinator:

Valentina Kondrateva, Head of the Center for Strategic Studies of the Republic of Sakha (Yakutia)

Brief information:

The project "Human in the Arctic" was initiated by the Republic of Sakha (Yakutia) in 2014. The project has a practical and methodological character and is aimed at assessing the quality of life of the Arctic population, identifying the main problems that hinder the development of Human in the Arctic, and finding ways to address them.

Since 2014-2017 sociological surveys were conducted with an aim to assess the quality of life in the village. Cossack village of Ust-Yansky district, with. Kharyalyakh, Olenek district, with. Kystatyam Zhiganskoy ulus and with. Iengra of the Neryungri district of the Republic of Sakha (Yakutia), as well as in the Inter-settlement territory of the Turukhansk district of the Krasnoyarsk Territory (hereinafter - Turukhansky district) and the village of Palana in the Kamchatka Territory (hereinafter - Palana, Koryaksky AO).

The results of the research showed the activity of the population, the desire to learn, the readiness to raise their qualification level and the level of their incomes through conducting business activities, reviving traditional types of occupations. Based on the results of the surveys, a socio-demographic portrait of a person in the Arctic was compiled.

In the settlements of the Republic of Sakha (Yakutia), covered by the project, training and methodological seminars were held to increase motivation for entrepreneurial activity, organized by the Center for Strategic Studies of the Republic of Sakha (Yakutia) and municipal administrations of settlements, with experts from Norway and the Northeastern Federal University . M.K. Ammosov.

The implementation of the Human in the Arctic project is included in the socio-economic development of the Ust-Yansky region (region) of the Republic of Sakha (Yakutia) (Decree of the Government of the Republic of Sakha (Yakutia) No. 216 of July 26, 2014) and the Zhigansky Set of Measures for Social and Economic Development National Evenki District of the Republic of Sakha (Yakutia) (Decree of the Government of the Republic of Sakha (Yakutia) No. 317 of August 31, 2016).

Project's Goal:

Assessment of the quality of life of the Arctic people, identification of the main problems hindering the development of Human in the Arctic, and development of measures to increase the role of labor motivation, development of entrepreneurial activity while maintaining the traditional way of life of the peoples of the North, taking into account the experience of foreign countries in the Arctic.

Project Objectives:

- Carrying out sociological research to assess the quality of life of the population in the subjects of the Russian Federation and foreign countries with Arctic territories;
- Drawing up a complex social portrait of Human in the Arctic;
- Development of recommendations for improving the quality of life of the population of the regions of the Arctic zone of the Russian Federation.

Current activity:

To assess the quality of life, field sociological surveys are conducted to assess the quality of life of the population on the territory of the Russian Federation, the results of which testify to the activity of the population in the management of destiny and readiness for professional development, the level of well-being and motivation for doing business, the revival of traditional occupations and the preservation of cultural identity.

As part of the preparatory work for the organization of the round table of the Northern Forum working group "Assessment of the quality of life of the population in the Arctic regions", within the framework of the XIII General Assembly of the Northern Forum, with the participation of the members of the working group, a draft concept was developed and a plan of activities for the implementation of the Human in the Arctic Project for 2018 -2020 years.

The results of the project will serve to form new approaches to a comprehensive study of Arctic problems, assess and monitor indicators that provide an objective picture of the Human in the Arctic, and develop a set of measures to improve the quality of life of the population living in the Arctic.

Results Achieved:

In March 2017, within the framework of the implementation of the Decree of the Government of the Republic of Sakha (Yakutia) No. 317 of August 31, 2016, "A set of measures for the socio-economic development of the municipal district" Zhiganskiy national Evenki district "of the Republic of Sakha (Yakutia)" an educational and methodological seminar , aimed at increasing the motivation for entrepreneurial activity of the population (68 hours). The main lecturer was Elin Sabbasen, business consultant of the Sami Development Center, the national coordinator of the microcredit project in Norway. Training was 15 people, including 10 people. - representatives of the indigenous people.

Also, in March 2017, a round table "Prospects for the development of entrepreneurial initiative in traditional sectors of the North" was held with international participation in cooperation with the Department for External Relations of the RS (Y) and the Northern Forum in the framework of the IV All-Russian Congress of Reindeer Herders. 85 people took part in the event, including from Norway, the Krasnoyarsk Territory, the Murmansk Region, the Magadan Region, the Komi Republic, the Chukotka Autonomous Okrug, the Yamalo-Nenets Autonomous Okrug, municipal districts, the executive bodies of the RS (Y), reindeer husbandry workers, enterprises and organizations, scientific institutions specializing in the sphere of traditional industries of the North.

In November 2017, the Koryaksky District of the Kamchatka Territory was covered by the project "Human in the Arctic" from the subjects of the Russian Federation with the territories of the Arctic zone. Sociological research was conducted in Palana, 160 respondents were interviewed. Based on the results of the study, a social portrait of a person in the Arctic was compiled in the Kamchatka Krai, the results are included in the summary analytical note

"Assessing the quality of life in the Arctic (based on monitoring the quality of life of the population and the results of sociological surveys in the framework of the Human in the Arctic Project").

In December 2017, this analytical note was sent to the executive authorities and interested organizations in accordance with paragraph 2.3.3. Protocol of the meeting of the coordination Arctic Council under the Head of the Republic of Sakha (Yakutia) of August 4, 2015 No. 2 and in pursuance of the State task of the State Educational Institution "Center for Strategic Studies of the Republic of Sakha (Yakutia)" for 2017, approved by the Order of the Ministry of Economy of the Republic of Sakha (Yakutia) No. 278-OD of December 30, 2016.

Work plan for 2018:

- Conducting a sociological survey on the quality of life of the population in the framework of the International Art Skills Competitiveness Competition for the Arctic Skills in the Nizhnekolymsky District.
- Round table discussion of the Northern Forum working group "Assessment of the quality of life of the population in the Arctic regions" in the framework of the XIII General Assembly of the Northern Forum (presentation of the interim results of the Man of the Arctic project and identification of further activities of the working group);
- Approval of the draft concept and action plan for the implementation of the Human in the Arctic Project for 2018-2020;
- Development of training programs (including remote ones) in cooperation with educational institutions of vocational education and practical courses aimed at enhancing the competence and prestige of the professions required for traditional industries in the northern and arctic regions;
- Participation in the Northern Forum Projects Contest on the topic № 7 "Assessment of the quality of life of the population in the regions of the Arctic";
- Carrying out work to further expand the coverage of sociological research conducted to determine the standard of living of indigenous small-numbered peoples of the North, in the Arctic regions of the Russian Federation and foreign countries.

[2.11 Renewable energy sources. Energy supply for isolated settlements of northern regions](#)

Project coordinator:

Nikolai Duraev, First Deputy Minister of Housing and Communal Services and Energy of the Republic of Sakha (Yakutia)

Brief information:

The project, originally announced by Yukon (Canada), focuses on sustainable energy issues - electricity and heat. The use of such in the extreme North is extremely promising, given the complexity and high cost of using classical energy, and is also a "regional response" to the global initiative of the wider application of "green technologies".

Results:

In support of the project in Yakutsk an annual conference "Development of Renewable Energy in the Far East of Russia" is held under the patronage of PJSC "RAO ES of the East" and the Government of the Republic of Sakha (Yakutia). In 2017 several official foreign delegations, as well as representatives of more than 100 largest Russian and world companies from Japan, China, USA, Germany, France, Switzerland, Czech Republic, Kazakhstan, Uzbekistan took part in the Conference. The conference plays an important role in the development of the renewable energy industry in the region, allowing market participants to establish business contacts and exchange relevant information on available support tools, technical solutions and initiatives in the development of alternative energy. The conference initiated several major cooperation projects such as the construction of the world's largest polar SES in Batagay within the framework of the signed agreement between the Government of the Republic of Sakha (Yakutia) and RAO ES of the East, the construction of a unique wind power complex in Ust-Kamchatsk by the Japanese government organization NEDO in conjunction with the Government of Kamchatsky edge and "RAO ES of the East" and others.

[2.12 Brown Bear Working Group](#)

Project coordinator:

Innokenty Okhlopkov, the director of the Institute of Biological Problems of the Cryolithozone of the Siberian Branch of the Russian Academy of Sciences

Participants:

Chukotka Autonomous District, Dalarna, Alaska, Vologda, Kamchatka Territory, Khanty-Mansi Autonomous Area

Brief information:

Regions of the Northern Forum, as a rule, know about bears not by hearsay - contacts between a person and a brown bear in or near settlements are not uncommon. In connection with the danger of injury and even life threatening, the Brown Bear Working Group is working to share experiences and create conditions to prevent the dangerous rapprochement of the bear with man. It is also a good opportunity for beginning biologists and environmentalists to join in the practical implementation of their work.

2.13 Youth Environmental Forum

Leading region: rotation of regions

Brief information:

The Youth Eco-Forum meets every year or a year and is a great place for teenagers and young people. At the forum, they not only can get to know each other and have a good time, but also share their experience about the environmental problems of the places where they come from. Focal topics - prevention of climate change, improving environmental literacy of citizens, urban ecology and the like; moreover, topics are updated for each new forum.

Current activity:

The next Youth Environmental Forum took place from 13 to 16 April 2017 in Salekhard, the Yamalo-Nenets Autonomous District. Schoolchildren of Yamalo-Nenets Autonomous Okrug, Khanty-Mansiysk Autonomous Okrug-Ugra, Republic of Sakha (Yakutia) and Japan took part in the Forum. The event traditionally touched upon the issues of environmental safety in the Arctic, the preservation of the culture and traditional way of life of the indigenous population, as well as the organization of volunteer movements to ensure environmental stability in the Arctic ecosystem. The next Forum is planned to be held in Lapland.

2.13 Working Group on Water and Climate Change

Project coordinator:

Nikita Tananaev, leading researcher of the Permafrost Institute named after P.I. Melnikov SB RAS

Participating regions:

Khanty-Mansi Autonomous Area, Republic of Sakha (Yakutia), Alaska, Krasnoyarsk Krai

Brief information

Floods are a global problem. In the North, it has regional characteristics. Since the rivers freeze for the winter, every spring the ice breaking and the subsequent ice drift creates the danger of flooding and even flooding of coastal settlements - it is enough to recall the devastating flood of 2002 in Yakutia. The relevance of this project is therefore difficult to overestimate.

Activities

As part of the work of the Working Group on Water Resources and Floods, an agreement was reached with the Canadian company C-CORE, which provided high-quality satellite images from the floods, which rescuers could not only navigate in the fight against congestion of incoming ice; but also to predict the danger from a possible flood in general. At the moment, work on the project is in the direction of creating a large database on the movement of ice.

During 2016, the main activities were aimed at the development and implementation of educational, research and scientific and organizational projects by joint efforts of the group's participants. In educational activities, a representative of the RS (Y) in the Working Group Ph.D. Tananaev NI developed, prepared and conducted classes on thematic areas "Earth from Space" and "Field Methods of Geographical Research" in the Children's Cosmonautics Club. Yu.A. Gagarin (St. Petersburg, <http://space.shumgam.com/>) for schoolchildren from 9 to 13 years old. Developed materials can be used in the future to work in thematic school camps.

In the field of research projects:

- proposals were prepared and submitted for joint grants from the RFBR-regions fund on the topics "Analysis of hydrological risks in the Khanty-Mansiysk Autonomous Okrug with the use of geoinformation technologies and mathematical modeling of river flow formation processes";
- an application for a joint RFBR-KhMAO-Ugra regional grant "Analysis of hydrological risks in the Khanty-Mansiysk Autonomous Okrug with the use of geoinformation technologies and mathematical modeling of river flow formation processes" was prepared and submitted. The project assumes the study of the modern structure of hydrological risks in the territory of Khanty-Mansiysk Autonomous District, including using methods of mathematical modeling of river flow. The result of the work will be the assessment of hydrological safety within the Okrug and the development of recommendatory

measures to protect the population and economic objects from the hazardous impact of river waters. The project manager from URIIT is Ph.D. Kochergin GA, from the IMZ of the SB RAS - Ph.D. Tananaev NI

- an application for a joint regional grant "Development of methods for hydroinformation support of risk management of dangerous hydrological phenomena in the basin of the river Naberezhnaya" was prepared and submitted. Lena on the basis of models of formation of a river drain and dynamics of channel flows ". The main scientific results of the project will be ready-to-use in the Republic of Sakha (Yakutia) modern methods of managing flood risks and assessing the effectiveness of hydrotechnical measures on the rivers of the river basin. Lena. Project Manager - Ph.D. Tananaev

2.14 Cooperation of Northern Zoos

Project coordinator:

Luka Safonov, director of the zoo "Orto Doydu"

Project participants:

Alaska Zoo, Anchorage (Alaska, USA); Ecological Museum of Flora and Fauna, Zelenogorsk (Krasnoyarsk Territory, Russia); Park of flora and fauna "Roev Ruchey", Krasnoyarsk (Russia); Park of Predatory Animals, Orsa (Sweden); Zoo Ranua, Ranua (Lapland, Finland); Leningrad Zoo, St. Petersburg (Russia); Zoo "Priamursky" them. VP Sysoeva, Khabarovsk (Khabarovsk Territory, Russia); Northern Forest Zoo, Harbin (Heilongjiang, China); GBU Republican Zoo "Orto-Doidu" Yakutsk (Republic of Sakha (Yakutia) (Russia) Seversky Zoo, Seversk, Russia.

General information about the project

The project "Cooperation of Northern Zoos" within the framework of the "Environment" program was initiated by the Republic of Sakha (Yakutia) and adopted as a priority project of the Northern Forum at the 7th General Assembly in Harbin, Heilongjiang Province (China) in June 2005.

Project's Goal:

Development of a system of interzoo partnerships, expansion of international cooperation in the field of conservation of flora and fauna of the northern territories and attraction of attention of public authorities to the activity of zoos in the field of conservation of flora and fauna of northern territories.

The main tasks of the project are:

- establishment of close ties between zoos of northern countries and territories;
- development and implementation by members of the working group of joint programs for the breeding of rare species of flora and fauna of the northern territories;
- facilitating the exchange of animals between project members;
- Increase the professional level of employees of organizations - members of the project by organizing meetings, conferences, seminars on the most important problems of the zoo business;
- development of educational work;
- the implementation of publishing activities in order to disseminate the latest scientific and practical achievements of the zoo business, as well as the popularization of biological knowledge;
- Cooperation with governments, public organizations and international environmental groups in programs related to the activities of zoos.

Activities

Work was continued on the information exchange.

Correspondence is being conducted on the issues of keeping animals and other aspects of zoo activity, and a page in Facebook "Northern Zoos" is being maintained.

Successful work on a rare species of predatory mammals is a polar bear.

Within the framework of the project, a pair of polar bears was created in the Yakut zoo "Orto-Doydu" for keeping and breeding. The required zootechnical and veterinary work is being carried out, an additional compartment for the female is built on the funds of the guardian of polar bears, which is necessary to separate it during childbirth and rearing offspring. The result of this project was the reproduction of this species in 2016 in the Yakut zoo. The female Kolymana brought offspring and successfully feeds herself. Thus, through the efforts of the project members, a breeding pair of a rare species registered in the Red Data Book of the Russian Federation, the RS (Y), an international red book was created

For the effectiveness of the project, new meetings are needed with the support of the Secretariat and the regions of the Northern Forum.

2.15 International Arctic School

Project coordinator:

Feodosiya Gabysheva, First Deputy Minister of Education and Science of the Republic of Sakha (Yakutia)

Project's Goal

Integration of federal and international standards in the field of education for the preservation and development of human capital in the Arctic and the Nor

Mission of the project:

Development of the human resources potential of the countries of the Arctic region as the main factor of economic and social development in the context of cross-border cooperation

Tasks:

Creation of an innovative model of the School to ensure quality education, successful adaptation and comprehensive development of the learning countries of the Arctic region through the individualization of the educational process, the formation of universal educational activities and key competencies of the graduate.

Development and self-development of participants in the educational process through networking with educational institutions in Russia and the world, the organization of a system of continuing education and international cooperation.

The development of international regional cooperation through the international organizations of the United Nations, UNESCO, the Arctic Council, the Northern Forum and the organization of creative interaction (including the educational programs of partner schools abroad, educational exchange projects for schoolchildren), the integration of the basic values of Arctic civilization into universal values in the educational process.

Implementation mechanism:

Decree of the Head of the Republic of Sakha (Yakutia) of August 18, 2014 No. 2826 "On the socio-economic development of the city of Yakutsk - the capital of the Republic of Sakha (Yakutia) for the period 2015-2019".

The Decree of the Government of the Republic of Sakha (Yakutia) of November 5, 2015 No. 417 "On the conclusion of an agreement on public-private partnerships for the design, creation and maintenance of pre-school, general, additional education and culture facilities in the urban district" Yakutsk "of the Sakha Republic (Yakutia) ».

Decree of the Government of the Republic of Sakha (Yakutia) of November 6, 2014 No. 1260-r "On approval of the Comprehensive Program (" road map ") for the establishment of the International Arctic School in the Republic of Sakha (Yakutia)"

Completed work

The preparatory work of the land area for the construction of the facility was launched.

Personnel training of the future teaching staff of the International Arctic School, incl. at the ISP Center of the International Baccalaureate.

The project was presented at the UNESCO headquarters in Paris (France) (November, 2016.)

The design and preparation of the technical part of the design estimates for the International Arctic School project (December, 2016) was completed.

The innovative educational infrastructure of the facility is being designed.

The project was presented at a meeting of the Working Group of the Arctic Council for Sustainable Development in September 2017.

Координатор проекта:

Игнатьева Саргылана Семеновна, ректор Арктического института культуры и искусств.

Регионы-участники проекта:

Sakha Republic (Yakutia): Игнатьева Саргылана Семеновна, ректор Арктического государственного института культуры и искусств

Краткая справка:

Деятельность центра направлена на осуществление системной работы по сохранению, развитию, продвижению культуры народов Арктики, на производство творческих идей и социокультурных инноваций, на реализацию международных гуманитарных программ, призванных обеспечить новую стратегию геокультурного развития в регионе Арктики,

а также на объединение ученых-арктиковедов, деятелей искусств и культуры.

Цель проекта:

Оказание услуг в сфере фундаментальных и прикладных научных исследований культуры и искусства народов Арктики, реализации творческих и образовательных проектов и популяризации культурного наследия народов, населяющих Арктический регион.

Задачи проекта:

1. Формирование специализированного электронного ресурсного центра по культуре и искусству народов Арктики, включающего в себя Арктическую аудиовизуальную медиатеку, фонотеку, электронную библиотеку и виртуальный музей.
2. Проведение научных исследований в области культуры и искусства народов Арктики международными группами ученых с совместной организацией экспедиционно-поисковой работы, семинаров (конференций) и публикацией результатов исследований в рейтинговых изданиях.
3. Формирование Центра как своего рода «точки» вхождения в мир культуры Арктики с помощью мобильных образовательных проектов — открытых публичных лекций, дискуссий, мастер-классов, доступных для любых возрастных, социальных и профессиональных групп.
4. Поддержка и развитие инновационных форм искусства и культуры, создаваемых на основе традиционной культуры народов Арктики (спектаклей, фильмов, выставок, инсталляций, концертов и др.)
5. Производство и выпуск научно-образовательных мультимедийных и аудиовизуальных проектов по культуре Арктики и их продвижение в телевизионное и кинопространство России и мира.
6. Взаимодействие и сотрудничество Центра в области науки, культуры и образования со всеми межгосударственными и общественными организациями, миссия которых связана с решением проблем Арктики,
7. Поддержка культурных инициатив в бизнес-проектах, связанных с презентацией культурного наследия.

Текущая деятельность:

На сегодня, реализующимся проектом центра является издание научно-популярного журнала «Культура и искусство Арктики».

Издание реализуется в виде двух взаимосвязанных блоков — традиционного научного журнала (академического ядра), публикующего научные и критические статьи, обзоры, рецензии и переводы; и научно-публицистического раздела, содержащего актуальные аналитические материалы широкой, популярной публицистической направленности. Важной частью проекта является налаживание и ведение постоянного диалога, дискуссии и обмена информацией во всем пространстве Арктики.

Рубрики: «Культура и цивилизация», «Архитектура», «Прикладное изобразительное искусство», «Музыкальный фольклор», «Музей», «Библиотека», «Наследие Арктики» «Имена и портреты», «Идеи и проекты Арктики».

Достигнутые результаты:

На сегодняшний день выпущено 2 номера в бумажном формате на двух языках (русском и английском), а также в сети интернет размещены электронные варианты издания.

План работы на 2018 год:

Выпуск нового номера журнала «Культура и искусство Арктики», участие в конкурсах грантов.

2.10 Человек в Арктике

Координатор проекта:

Кондратьева Валентина Ильинична, руководитель Центра стратегических исследований Республики Саха (Якутия)

Краткая справка:

Проект «Человек в Арктике» инициирован Республикой Саха (Якутия) в 2014 году. Проект имеет практический и методологический характер и направлен на оценку качества жизни населения Арктики, выявление основных проблем, тормозящих развитие Человека в Арктике, и поиск путей по их решению.

С 2014-2017 гг. проведены социологические обследования, направленные на оценку качества жизни населения в с. Казачье Усть-Янского района, с.

Харыялах Оленекского района, с. Кыстатыам Жиганского улуса и с. Иенгра Нерюнгринского района Республики Саха (Якутия), а также в Межселенной территории Туруханского района Красноярского края (далее – Туруханский район) и п. Палана Камчатского края (далее – п. Палана Корякского АО).

Результаты исследования показали активность населения, желание учиться, готовность повышать свой квалификационный уровень и уровень своих доходов путем ведения предпринимательской деятельности, возрождения традиционных видов занятий. По результатам обследований составлен социально-демографический портрет человека в Арктике.

В населенных пунктах Республики Саха (Якутия), охваченных проектом, проведены учебно-методологические семинары по повышению мотивации к предпринимательской деятельности, организованные Центром стратегических исследований Республики Саха (Якутия) и муниципальными администрациями поселений, с привлечением экспертов из Норвегии и Северо-Восточного федерального университета им. М.К. Аммосова.

Реализация проекта «Человек в Арктике» включена в мероприятия социально-экономического развития Усть-Янского улуса (района) Республики Саха (Якутия) (постановление Правительства Республики Саха (Якутия) №216 от 26 июля 2014 года) и Комплекс мер социально-экономического развития Жиганского национального эвенкийского района Республики Саха (Якутия) (постановление Правительства Республики Саха (Якутия) №317 от 31.08.2016 г.).

Цель проекта:

Оценка качества жизни населения Арктики, выявление основных проблем, тормозящих развитие Человека в Арктике, и выработка мер по повышению роли трудовой мотивации, развитию предпринимательской деятельности при сохранении традиционного уклада жизни народов Севера с учетом применения опыта зарубежных стран Арктики.

Задачи проекта:

– Проведение социологических исследований по оценке качества жизни населения в субъектах РФ и зарубежных странах с арктическими территориями;

- Составление комплексного социального портрета Человека в Арктике;
- Разработка рекомендаций по повышению качества жизни населения регионов Арктической зоны Российской Федерации.

Текущая деятельность:

Для оценки качества жизни проводятся полевые социологические исследования по оценке качества жизни населения на территории АЗ РФ, результаты которых свидетельствуют об активности населения в управлении судьбой и готовности к повышению квалификации, уровня благосостояния и наличии мотивации к ведению предпринимательской деятельности, возрождению традиционных видов занятий и сохранению культурной идентичности.

В рамках подготовительной работы по организации круглого стола рабочей группы Северного Форума «Оценка качества жизни населения в регионах Арктики» в рамках XIII Генеральной ассамблеи Северного Форума с привлечением членов рабочей группы разработан проект концепции и формируется план мероприятий по реализации проекта «Человек в Арктике» на 2018-2020 гг.

Результаты проекта послужат формированию новых подходов к комплексному изучению проблем Арктики, оценке и мониторингу индикаторов, дающих объективную картину о Человеке в Арктике, и выработке комплекса мер по повышению качества жизни населения, проживающего в условиях Арктики.

Достигнутые результаты:

В марте 2017 г., в рамках реализации постановления Правительства Республики Саха (Якутия) №317 от 31.08.2016 г. «Комплекс мер социально-экономического развития муниципального района «Жиганский национальный эвенкийский район» Республики Саха (Якутия)» проведен учебно-методологический семинар, направленный на повышение мотивации к предпринимательской деятельности населения (68 ч.). Основным лектором выступила ЭлинСаббасен – бизнес-консультант Центра развития Саами, национальный координатор микрокредитного проекта в Норвегии. Обучение прошли 15 человек, в том числе 10 чел. - представители КМНС.

Также, в марте 2017 г. проведен круглый стол «Перспективы развития предпринимательской инициативы в традиционных отраслях Севера» с международным участием совместно с Департаментом внешних связей РС(Я) и Северным Форумом в рамках IV Всероссийского съезда оленеводов. В мероприятии приняли участие 85 человек, в том числе из Норвегии, Красноярского края, Мурманской области, Магаданской области, Республики Коми, Чукотского автономного округа, Ямало-Ненецкого автономного округа, муниципальных районов, органов исполнительной власти РС(Я), работники оленеводческих хозяйств, предприятий и организаций, научных учреждений, специализирующихся в сфере традиционных отраслей Севера.

В ноябре 2017 г. проектом «Человек в Арктике» из субъектов Российской Федерации с территориями Арктической зоны охвачен Корякский округ Камчатского края. Социологические исследования проведены в п. Палана, опрошено 160 респондентов. По итогам исследования составлен социальный портрет человека в Арктике в условиях Камчатского края, результаты включены в сводную аналитическую записку «Оценка качества жизни населения в Арктике (на основе мониторингов качества жизни населения и итогов социологических обследований в рамках проекта «Человек в Арктике»)».

В декабре 2017 г. указанная аналитическая записка направлена в адрес органов исполнительной власти и заинтересованных организаций в соответствии с пунктом 2.3.3. Протокола заседания координационного Арктического совета при Главе Республики Саха (Якутия) от 4 августа 2015 года №2 и во исполнение Государственного задания ГАУ «Центр стратегических исследований Республики Саха (Якутия)» на 2017 г., утвержденного Приказом Министерства экономики Республики Саха (Якутия) №278-ОД от 30.12.2016 г.

План работы на 2018 г.:

- Проведение социологического исследования о качестве жизни населения в рамках проведения мероприятий Международного конкурса профессионального мастерства по арктическим компетенциям ArcticSkills в Нижнеколымском районе;
- Проведение круглого стола рабочей группы Северного Форума «Оценка качества жизни населения в регионах Арктики» в рамках XIII Генеральной ассамблеи Северного Форума (представление

промежуточных итогов реализации проекта «Человек в Арктике» и определение дальнейших направлений деятельности рабочей группы);

- Утверждение проекта концепции и плана мероприятий по реализации проекта «Человек в Арктике» на 2018-2020 гг.;
- Разработка совместно с учебными заведениями профессионального образования программ обучения (в том числе дистанционных) и практических курсов, направленных на повышение компетенции и престижа профессий, необходимых для традиционных отраслей северных и арктических регионов;
- Участие в Конкурсе проектов Северного Форума по Теме №7 «Оценка качества жизни населения в регионах Арктики»;
- Проведение работы по дальнейшему расширению охвата социологических исследований, проводимых с целью определения уровня жизни коренных малочисленных народов Севера, в арктических регионах РФ и зарубежных странах.

2.11 Возобновляемые источники энергии. Энергообеспечение изолированных поселений северных регионов

Координатор проекта:

Дураев Николай Никифорович, первый заместитель министра жилищно-коммунального хозяйства и энергетики Республики Саха (Якутия)

Краткая справка:

Проект, изначально заявленный Юконом (Канада), фокусируется на вопросах устойчивой энергетики – электро- и тепловой. Использование таковых в условиях крайнего Севера представляется крайне перспективным, учитывая сложность и дороговизну применения классической энергетики, а также является «региональным ответом» на глобальную инициативу более широкого применения «зеленых технологий».

Результаты:

В поддержку проекта в г. Якутске ежегодно проводится конференция «Развитие возобновляемой энергетики на Дальнем Востоке России» под патронатом ПАО «РАО ЭС Востока» и Правительства Республики Саха (Якутия). В 2017 году в Конференции приняли участие несколько

официальных зарубежных делегаций, а также представители более 100 крупнейших российских и мировых компаний из Японии, Китая, США, Германии, Франции, Швейцарии, Чехии, Казахстана, Узбекистана. Конференция играет важную роль в становлении отрасли ВИЭ в регионе, позволяя участникам рынка устанавливать деловые контакты и обмениваться актуальной информацией об имеющихся инструментах поддержки, технических решениях и инициативах в области развития альтернативной энергетики. Конференция инициировала несколько крупных проектов сотрудничества таких как строительство крупнейшей в мире полярной СЭС в Батагае в рамках подписанного соглашения между Правительством Республики Саха (Якутия) и «РАО ЭС Востока», строительство уникального ветроэнергетического комплекса в Усть-Камчатске японской правительственной организацией NEDO совместно с Правительством Камчатского края и «РАО ЭС Востока» и другие.

2.12 Рабочая группа по медведю

Координатор проекта:

Охлопков Иннокентий Михайлович, врио директора Института биологических проблем криолитозоны Сибирского отделения Российской Академии наук

Участники:

Чукотский автономный округ, Даларна, Аляска, Вологда, Камчатский край, Ханты-Мансийский автономный округ

Краткая справка:

Регионы Северного Форума как правило знают о медведях не понаслышке – контакты человека и бурого медведя в поселениях или рядом с ними не являются редкостью. В связи с опасностью травматизма и даже угрозы жизни, Рабочая группа по бурому медведю проводит работу по обмену опытом и созданию условий, предотвращающих опасное сближение медведя с человеком. Это также хорошая возможность для начинающих биологов и природоохранников присоединиться к практическому осуществлению своей работы.

2.13 Молодежный экологический форум

Ведущий регион: ротация регионов

Краткая справка:

Молодежный Эко-форум встречается каждый год, либо через год и является прекрасным местом для подростков и молодежи. На форуме они не только могут познакомиться друг с другом и хорошо провести время, но и поделиться опытом об экологических проблемах тех мест, откуда они родом. Фокусные топики – предотвращение смены климата, повышение экологической грамотности граждан, городская экология и аналогичные; притом, топики обновляются для каждого нового форума.

Текущая деятельность:

Очередной Молодежный экологический форум прошел с 13 по 16 апреля 2017 года в г. Салехарде, Ямало-Ненецкий автономный округ. В Форуме приняли участие школьники Ямало-Ненецкого автономного округа, Ханты-Мансийского автономного округа-Югры, Республики Саха (Якутии) и Японии. Мероприятие традиционно затронуло вопросы экологической безопасности в Арктике, сохранения культуры и традиционного образа жизни коренного населения, а также вопросы организации волонтерских движений по обеспечению экологической стабильности в арктической экосистеме. Следующий Форум планируется провести в Лапландии.

[2.13 Рабочая группа по воде и изменению климата](#)

Координатор проекта:

Тананаев Никита Иванович, ведущий научный сотрудник Института мерзлотоведения им П.И. Мельникова СО РАН

Регионы-участники:

Ханты-Мансийский автономный округ, Sakha Republic (Yakutia), Аляска, Красноярский край

Краткая справка

Наводнения – проблема мирового масштаба. На Севере же она имеет региональные особенности. Поскольку на зиму реки замерзают, каждую весну вскрытие льда и последующий ледоход создает опасность подтопления и даже затопления прибрежных поселений – достаточно

вспомнить разрушительное наводнение 2002 года в Якутии. Актуальность этого проекта поэтому трудно переоценить.

Деятельность

В рамках работы Рабочей группы по водным ресурсам и наводнениям, было заключено соглашение с канадской компанией C-CORE, предоставляющей пострадавшей от паводка стороне спутниковые снимки в высоком качестве, по которым спасатели не только могли ориентироваться при борьбе с заторами идущего льда; но и прогнозировать опасность от возможного паводка в целом. В данный момент работа над проектом ведется в направлении создания крупной базы данных по движению льдов.

В течение 2016 г. основные мероприятия были направлены на разработку и реализацию образовательных, научно-исследовательских и научно-организационных проектов совместными усилиями участников группы. В образовательной деятельности, представителем РС (Я) в Рабочей группе к.г.н. Тананаевым Н.И. разработаны, подготовлены и проведены занятия по тематическим направлениям «Земля из космоса» и «Полевые методы географических исследований» в Детском клубе космонавтики им. Ю.А. Гагарина (Санкт-Петербург; <http://space.shumgam.com/>) для школьников от 9 до 13 лет. Разработанные материалы могут быть использованы в будущем для работы в тематических школьных лагерях.

В области научно-исследовательских проектов:

- подготовлены и поданы заявки на совместные гранты фонда РФФИ-регионы по темам «Анализ гидрологических рисков на территории Ханты-Мансийского автономного округа с применением геоинформационных технологий и математического моделирования процессов формирования речного стока»;

- подготовлена и подана заявка на совместный региональный грант РФФИ-ХМАО-Югра «Анализ гидрологических рисков на территории Ханты-Мансийского автономного округа с применением геоинформационных технологий и математического моделирования процессов формирования речного стока». Проект предполагает исследование современной структуры гидрологических рисков на территории ХМАО-Югры, в том числе с использованием методов математического моделирования речного стока. Итогом работ станет оценка гидрологической безопасности в пределах округа и разработка

рекомендательных мер по защите населения и объектов экономики от опасного воздействия речных вод. Руководитель проекта от ЮНИИ ИТ – к.т.н. Кочергин Г.А., от ИМЗ СО РАН – к.г.н. Тананаев Н.И.

- подготовлена и подана заявка на совместный региональный грант «Разработка методов гидроинформационной поддержки управления рисками опасных гидрологических явлений в бассейне р. Лена на основе моделей формирования речного стока и динамики русловых потоков». Основными научными результатами работ по проекту станут готовые к использованию в Республике Саха (Якутия) современные методики управления рисками наводнений и оценки эффективности гидротехнических мероприятий на реках бассейна р. Лена. Руководитель проекта – к.г.н. Тананаев Н.И.

2.14 Сотрудничество северных зоопарков

Координатор проекта:

Сафонов Лука Николаевич, директор зоопарка «Орто Дойду»

Участники проекта:

AlaskaZoo, г. Анкоридж (Аляска, США); Экологический музей флоры и фауны, г. Зеленогорск (Красноярский край, Россия); Парк флоры и фауны "Роев ручей", г. Красноярск (Россия); Парк хищных животных, г. Орса (Швеция); Зоопарк Рануа, г. Рануа (Лапландия, Финляндия); Ленинградский зоопарк, г. Санкт-Петербург (Россия); Зоосад «Приамурский» им. В. П. Сысоева, г. Хабаровск (Хабаровский край, Россия); Северный лесной зоопарк, г. Харбин (Хейлунцзян, Китай); ГБУ Республиканский зоопарк "Орто-Дойду" г. Якутск (Sakha Republic (Yakutia) (Россия); Северский зоопарк, г. Северск, Россия.

Общая информация о проекте

Проект «Сотрудничество северных зоопарков» в рамках программы «Окружающая среда» был инициирован Республикой Саха (Якутия) и принят в качестве приоритетного проекта Северного Форума на VII Генеральной Ассамблее в г. Харбин, провинция Хейлунцзян (Китай) в июне 2005 г.

Цель проекта:

Развитие системы межзоопарковских связей, расширение международного сотрудничества в области сохранения флоры и фауны северных территорий и привлечения внимания органов государственной власти к деятельности зоопарков в области сохранения флоры и фауны северных территорий.

Основными задачами проекта являются:

- установление тесных связей между зоопарками северных стран и территорий;
- разработка и осуществление членами рабочей группы совместных программ по разведению редких видов флоры и фауны северных территорий;
- содействие обмену животными между членами проекта;
- повышение профессионального уровня сотрудников организаций – членов проекта путём организации совещаний, конференций, семинаров по важнейшим проблемам зоопарковского дела;
- развитие просветительской работы;
- осуществление издательской деятельности с целью распространения новейших научных и практических достижений зоопарковского дела, а также популяризация биологических знаний;
- сотрудничество с правительствами, общественными организациями и международными природоохранными группами в программах, касающихся деятельности зоопарков.

Деятельность

1. Были продолжены работы по обмену информацией.

Ведется переписка по вопросам содержания животных и другим аспектам деятельности зоопарков, ведется страничка в Фейсбук «Северные зоопарки».

2. Успешная работа по редкому виду хищных млекопитающих – белому медведю.

В рамках проекта в якутском зоопарке «Орто-Дойду» создана пара белых медведей для содержания и разведения. Проводится требуемая зоотехническая и ветеринарная работа, на средства опекуна белых медведей построен дополнительный отсек для самки, необходимый для

отделения ее во время родов и выкармливания потомства. Результатом данного проекта стало размножение этого вида в 2016 году в якутском зоопарке. Самка Колымана принесла потомство и успешно выкармливает самостоятельно. Таким образом, усилиями членов проекта создана размножающаяся пара редкого вида, занесенного в Красную книгу РФ, РС(Я), международную красную книгу.

Для эффективности деятельности проекта необходимы новые встречи при поддержке Секретариата и регионов Северного Форума.

2.15 Международная арктическая школа

Координатор проекта:

Габышева Феодосия Васильевна, первый заместитель министра образования и науки Республики Саха (Якутия)

Цель проекта:

Интеграция федерального и международного стандарта в области образования для сохранения и развития человеческого капитала Арктики и Севера.

Миссия проекта:

Развитие человеческого и кадрового потенциала стран Арктического региона как основного фактора экономического и социального развития в условиях трансграничной кооперации.

Задачи:

1. Создание инновационной модели Школы для обеспечения качества обучения, успешной адаптации и всестороннего развития обучающихся стран Арктического региона через индивидуализацию образовательного процесса, формирование универсальных учебных действий и ключевых компетентностей выпускника.
2. Развитие и саморазвитие участников образовательного процесса через организацию сетевого взаимодействия с образовательными учреждениями России и мира, организация системы непрерывного обучения и международного сотрудничества.
3. Развитие международного регионального сотрудничества по линии международных организаций ООН, ЮНЕСКО, Арктический совет, Северный Форум и организация творческого взаимодействия (в т. ч. по образовательным программам школ-партнёров за рубежом, проекты образовательного обмена школьников), интеграция базовых

ценностей арктической цивилизации в общечеловеческие ценности в образовательном процессе.

Механизм реализации:

- Указ Главы Республики Саха (Якутия) от 18 августа 2014 г. №2826 «О социально-экономическом развитии города Якутска – столицы Республики Саха (Якутия) на период 2015-2019 годы».
- Постановление Правительства Республики Саха (Якутия) от 05 ноября 2015 г. №417 «О заключении соглашения о государственно-частном партнёрстве по проектированию, созданию и техническому обслуживанию объектов дошкольного, общего, дополнительного образования и культуры в городском округе «город Якутск» Республики Саха (Якутия)».
- Распоряжение Правительства Республики Саха (Якутия) от 06 ноября 2014 г. №1260-р «Об утверждении Комплексной программы («дорожной карты») создания Международной Арктической школы в Республике Саха (Якутия)»

Выполненная работа

- Запущены подготовительные работы земельной территории к строительству объекта.
- Продолжается кадровая подготовка будущего преподавательского состава Международной Арктической школы, в.т.ч. в Провайдер-центре Международного бакалавриата.
- Проект представлен в штаб-квартире ЮНЕСКО г. Париж (Французская Республика)(ноябрь, 2016.г)
- Завершено проектирование и составление технической части проектно-сметной документации по объекту «Международная Арктическая школа» (декабрь, 2016 г.).
- Проектируется инновационная образовательная инфраструктура объекта.
- Проект презентован на заседании Рабочей группы Арктического совета по устойчивому развитию в сентябре 2017.

3. MEMBERSHIP

3.1 Regional Membership

13 regions are members of the Northern Forum:

- Krasnoyarsk Krai, Chair
- Akureyri (Iceland), Vice-Chair of the Northern Forum from Northern Europe
- Gangwon Province (Republic of Korea), Vice-Chair of the Northern Forum from Northeast Asia
- Sakha Republic (Yakutia), Vice-Chair of the Northern Forum from Northeast Russia
- Khanty-Mansiysk Autonomous Okrug – Unga, Vice-Chair of the Northern Forum from Northwest Russia
- Kamchatka Krai
- Lapland (Finland)
- Magadan Oblast
- Nenets Autonomous Okrug
- Primorsky Krai
- Chukotka Autonomous Okrug
- State of Alaska (USA)
- Yamalo-Nenets Autonomous Okrug

Krasnoyarsk Krai - NF Chair, NF members and Secretariat have been working on engaging new regions and expanding the Northern Forum membership.

At this point, **Arkhangelsk Oblast, Khabarovsk Krai and Murmansk Oblast** are considering accession to the Northern Forum. The possibility of formal signing NF accession agreements are being considered during the forthcoming XIII General Assembly of the Northern Forum in Krasnoyarsk in 2018. During the NF Governors meeting, held within the framework of “Arctic: Territory of Dialogue” International Arctic Forum in Arkhangelsk, March 30, 2017, the Governor of Arkhangelsk Oblast Igor Orlov announced the request to start the procedure of Arkhangelsk Oblast’s accession to the Northern Forum. The Governor of Khabarovsk Krai Vyacheslav Shport, who also took part in the meeting, ended his address saying that he will make this proposal, after which Khabarovsk Krai’s NF membership will be decided.

Besides, the Northern Forum expansion work continues in **Sakhalin Oblast, Komi Republic and others regions**. In addition, **the metropolitan city of Busan (Republic of Korea), Heilongjiang (PRC), Greenland (Denmark) and a number of regions of Norway** are interested in the Northern Forum’s activities.

Heilongjiang, represented by the Foreign Affairs Office of Heilongjiang Province and the Academy of Sciences of Heilongjiang Province, also participated in the NF Governors' meeting in Arkhangelsk.

At the end of 2016, Ambassador Extraordinary and Plenipotentiary of Norway to Russia Leidulv Namtvedt, who officially headed a Norwegian delegation's visit to Yakutsk, expressed his support for the possibility of accession of counties of **Nordland, Troms and Finnmark** to the Northern Forum. Support for international cooperation between the regions of Russia and Norway within the framework of the Northern Forum is included in the Russian-Norwegian Work Plan for strengthening interregional and cross-border cooperation 2017-2022 that is planned to be implemented within the Interregional and Cross-border Cooperation Working Group of the Russian-Norwegian Intergovernmental Commission for Economic, Industrial, Scientific and Technical Cooperation. The responsible executors of this plan from Norway are the administrations of the counties of Nordland, Troms and Finnmark. We hope that this plan will help to establish close relations with the Norwegian regions within the Northern Forum framework.

In addition, the **county of Troms** took part in the NF Governors meeting in Arkhangelsk. The province was represented by Cecilie Myrseth, who at that time held the post of Governor. In her address to the Governors, Cecilie Myrseth noted that the Northern regions of Norway are members of the Barents Regional Council, and therefore it is necessary to find methods of cooperation within these two organizations. Also, Cecilie Myrseth expressed the thought of addressing this issue in future.

Greenland shows interest in the work of the Northern Forum and is considering Greenland's participation opportunities in our activities. The discussion of the possible accession of Greenland was initiated at the NF Governors meeting, where Greenland was represented by the Special Adviser to the Department of International Affairs, the representative of Greenland in the Arctic Council Mira Kleist. In her speech, Mira Kleist noted that Greenland is actively involved in Arctic regional cooperation. Then the dialogue was continued on the sidelines of the Arctic Council Ministerial meeting, where the Executive Director of the Northern Forum Mikhail Pogodaev met with the Minister of Independence, Foreign Affairs and Agriculture of Greenland Ms. Suka K. Frederiksen and Mira Kleist. In connection with Greenland's desire for independence, there is a possibility of accession of some municipality of Greenland into the Northern

Forum. Following the meeting, the Greenland offered to organize a teleconference with representatives of the Northern Forum, the Ministry of Independence, Foreign Affairs and Agriculture of Greenland and representatives of the municipalities of Greenland. Mira Kleist was appointed as the coordinator from Greenland.

Also in 2017 the prospects of restoring the membership of the **Canadian province of Quebec** have been discussed. During the Arctic Circle Assembly session “An Arctic of Regions: The Role of Subnational States in Arctic Governance” held in Reykjavik there was a conversation with Éric Thérout, Assistant Deputy Minister for Policy in Québec's Ministry of International Relationships and Francophonie. According to Éric Thérout, today, in order to develop international relations in the Arctic according to the Plan Nord, Quebec is focusing its efforts by participating in the Arctic Circle, which implies the participation in the annual assemblies, and also by hosting the Arctic Circle Québec Forum, held in December 2016. In turn, in our opinion the participation of Québec in the Northern Forum, will strengthen its cooperation with the Russian High North.

3.2 Business Partnership

In 2017 four organizations joined the Northern Forum business partnership:

- Arctic Portal (Akureyri, Iceland)
- UIC Arctic Business Relations LLC (Alaska, USA)
- CMYK Master Polygraphy LLC (Sakha Republic (Yakutia), Russia)
- Energy Saving Technologies LLC (Sakha Republic (Yakutia), Russia)

Arctic Portal maintains the NF website and works jointly with NF on Arctic Business Directory project, which will be implemented in collaboration with the Arctic Economic Council.

UIC is interested in establishing business contacts with the Northern regions of Russia, especially with the organizations of indigenous peoples. At this point, we are preparing for implementation of a joint project on reindeer herding reintroduction in Barrow, Alaska. The main partners in this project will be the Association of World Reindeer Herders and the International Centre for Reindeer Husbandry.

Together with **Energy-Saving Technologies LLC**, which is member of the editorial board, a joint edition of Energy Saving in Yakutia magazine was published, dedicated to Arctic energy and environment issues. The magazine was presented at the Arctic Energy Summit in Helsinki, Finland, September 18-20, and at the VII International Forum “Arctic: Today and the Future” in St. Petersburg, December 4-6, 2017. In addition, the Northern Forum news is highlighted in every regular edition’s separate section.

Orsa Grönklitt Predator Center continues to act as “Ambassadors” of the Northern Forum. Anders Björklund and Ingvor Ljung made a speech in the Ajtte museum during Jokkmokk Winter Festival, which was held on February 2-4, 2017. They talked about the activities of the Northern Forum, indigenous peoples, Siberia from the Ural Mountains to Chukotka and from the polar regions to the Southern highlands. The audience in the museum was highly interested, and a group of students stated that “this was the most interesting report of all that they ever heard”.

Representatives of **SuluS LLC** took part in the VII International Forum “Arctic: Today and the Future” in St. Petersburg as experts of the Northern Forum.

Thus, there are 12 business partners of the Northern Forum:

- Northern Forum Academy (Sakha Republic (Yakutia), Russia)
- Arctic Portal (Akureyri, Iceland)
- Institute of the North (Alaska, USA)
- Arctic Business Relations LLC of Ukpeaġvik Iñupiat Corporation »(UIC) (Alaska, USA)
- CMYK Master Polygraphy LLC (Sakha Republic (Yakutia), Russia)
- SuluS LLC (St. Petersburg, Russia)
- Energy Saving Technologies LLC (Sakha Republic (Yakutia), Russia)
- Lapland Chamber of Commerce (Finland)
- French Polar Cluster (France)
- High North Center for Business and Governance of the Business School at Nord University (Norway)
- Hokkaido International Exchange and Cooperation Center (Japan)
- Alaska Native Heritage Center (Alaska, USA)

4. NF MEETINGS

2015

On November 20, 2015, a joint meeting of the Presidium of the Expert Council for the Arctic and Antarctic under the Federation Council of the Federal Assembly of the Russian Federation with the members of the State Commission for Arctic Development took place in Moscow at the Federation Council, and gathered together the governors of Russian federal subjects, which are included in the Arctic zone of the Russian Federation, among them the Head of Sakha Republic (Yakutia) Egor Borisov and Governor of Krasnoyarsk Krai Viktor Tolokonnskiy delivered a speech on behalf of the Northern Forum.

As a result, the meeting protocol was adopted, which has the item on Russian federal subjects and municipalities, which are included in the Arctic zone of the Russian Federation, to participate in international Arctic forums: To recommend to subjects of the Russian Federation, which are included in the Arctic zone of the Russian Federation, to intensify the work in international organizations, which are operating in the Arctic territories.

2016

On March 23, 2016, a joint meeting of project coordinators, business partners and members of the working groups from Sakha Republic (Yakutia) was held in Yakutsk.

The Northern Forum Secretariat convened the meeting on composing the Working Groups approved by Resolution #177 “On project activities of the Northern Forum” to discuss a status of project activities and mechanisms of interaction in accordance with a new structure. Participants also discussed the preparations for a working meeting on establishing and developing new mechanisms of interregional cooperation on project activities of the Northern Forum, which was held on April 3-8, 2016, in Krasnoyarsk and was initiated by the Chair of the Northern Forum, Governor of Krasnoyarsk Krai Viktor Tolokonnskiy.

The working meeting in April 2016 in Krasnoyarsk was devoted to establishment and development of new mechanisms of interregional cooperation on project activities of the Northern Forum and was attended by representatives of the Northern Forum member regions. The international and interregional

cooperation on education development, culture preservation and ethnic sports of the indigenous peoples of the North roundtable have also been held.

The roundtable was attended by the Northern Forum members, including representatives of Sakha Republic (Yakutia), Krasnoyarsk Krai, Khanty-Mansiysk Autonomous Okrug – Ugra, Yamalo-Nenets Autonomous Okrug, Chukotka Autonomous Okrug, Sakhalin Oblast, Magadan Oblast, Republic of Komi, Khabarovsk Krai, Kamchatka Krai. To achieve the goals of the Northern Forum, the roundtable participants discussed issues related to creation of conditions and successful implementation of international and interregional cooperation on education development, culture preservation and ethnic sports of the indigenous peoples of the North, Siberia and Far East.

In his welcome remarks, Governor of Krasnoyarsk Krai Viktor Tolokonskiy emphasized that a core value of the North and Arctic are people who live under extreme conditions and create unique environmental, economic and cultural space. Viktor Tolokonskiy noted that the extensive work on experience sharing and development of new projects related to circumpolar infrastructure, northern aviation, environmental monitoring, northern schools and vocational education, children of the North and Arctic, regional informatization of the Arctic regions, innovative business on the northern territories, introduction of new energy sources, telemedicine development, distant legal support system and other necessary assistance, lies ahead of the Northern Forum member regions. Preservation and support of the traditional northern economy, including domestic reindeer herding is particularly important. The traditional northern economy serves as a base for recreation of its unique environmental and artistic culture.

The presentations of the roundtable participants were focused on search for solutions and development of recommendations on three main blocks of tasks and challenges specific to the Arctic and North: ethnic sports development, preservation of the unique culture of the indigenous peoples of the North, Siberia and Far East, vocational education quality improvement on the northern territories, including education of children of the indigenous peoples of the North, Siberia and Far East.

In December 2016, the working meeting of the Northern Forum member regions representatives took place within the international forum “Arctic: Today and the Future” in Saint Petersburg, and discussed participation in the

International Arctic Forum “Arctic – Territory of Dialogue”, which will be held in Arkhangelsk in March 2017 with the participation of the President of the Russian Federation Vladimir Putin, as well as the XIII General Assembly.

Regional Coordinators Committee meeting in Anchorage, Alaska, USA **on July 25-27, 2016** was the most significant event of the Northern Forum in 2016

A total of 40 people attended the meeting.

Regional coordinators were represented by 7 regions: Krasnoyarsk Krai, Sakha Republic (Yakutia), Khanty-Mansiysk Autonomous Okrug, Yamalo-Nenets Autonomous Okrug, Chukotka Autonomous Okrug, Nenets Autonomous Okrug (by proxy), State of Alaska (restored member).

Main results, conclusion and proposals:

I. On Development Strategy of the Northern Forum

1. To set up an expert group, comprising representatives of each member region, to develop a strategy of the Northern Forum. The representatives shall be nominated by regional coordinators.
2. To the expert group to develop a draft strategy and bring it to discussion during International Forum “Arctic: Today and the Future” in Saint Petersburg in December 2016, as a side event of the Northern Forum. Shall be done before December 1, 2016.
3. To the Northern Forum member regions to take an active part in major international Arctic events and to conduct the Northern Forum events (thematic forums and roundtables, ministerial meetings, working group meetings).
4. To expand the network of the Northern Forum representatives in the regions.
5. To consider the possibility of involvement of the Russian Federation Council members into the work of the Northern Forum to discuss the national legislation.
6. To acknowledge the role of the Russian Federation in the Northern Forum. Chairmanship of the Russian Federation in the Northern Forum is a guarantee of unbiased, open, equal dialogue on the Arctic issues. The Russian Federation pursues independent foreign policy with involvement of all interested parties, what contributes to maintenance of the Northern Forum as a leading interregional cooperation platform to address a search for distribution markets and new partners, conciliation of the commercial issues and attracting investments in the Arctic.

7. On forms of work. To strengthen efforts on specific issues (for instance, Krasnoyarsk Krai Polar Committee, which addresses the aviation issues in the northern area of Krasnoyarsk Krai, seaport development in Dudinka, Dikson and etc.).
8. There should be no geographic restriction in membership.
9. To engage local government authorities to the Northern Forum activities.
10. To hold a ministerial meeting of the Northern Forum or the Governors' Summit at the 2017 St. Petersburg International Economic Forum.

II. On the Northern Forum Working Groups

1. To recommend to form the working groups as an independent group of people, which has resources for projects implementation. Furthermore, to recommend to include the government authorities to the working groups.
2. To consider the possibility of holding the working groups meeting during Regional Coordinators Committee meetings.
3. To conclude the election of the working group Chairs until October 1, 2016.
4. In order to avoid the use of unreliable data (retrieved from unverified and incompetent sources) on protection of Alaska-Chukotka Polar bear population in the territory of Chukotka Autonomous Okrug, to provide interaction among involved parties in Alaska (Arctic Slope Regional Corporation, Voice of the Arctic Inupiat) and Chukotka (Umka Patrol, Chukotka Traditional Nature Use Committee under the Russian Association of Indigenous Peoples of the North, Siberia and Far East) for sharing information, which reflects the actual state of things.

III. On the Northern Forum Work Plan

1. To consider development of the 3-year work plan beginning with 2017.
2. To consider holding the Northern Forum thematic roundtable (forum, working groups meeting) at 2017 Krasnoyarsk Economic Forum.
3. To schedule the next Regional Coordinators Committee meeting in June 2017 in Khanty-Mansiysk, Khanty-Mansiysk Autonomous Okrug – Ugra.
4. To consider holding the Northern Forum Governors' Summit during Arctic Council Ministerial meeting in May 2017 (Alaska).

IV. On the General Assembly of the Northern Forum

1. To hold the General Assembly of the Northern Forum in November 2017 in Krasnoyarsk, Krasnoyarsk Krai, Russian Federation.

V. On Project Activities

1. To the Northern Forum Secretariat to develop a draft terms and conditions of the Northern Forum Projects Grant with due regard to the projects selection criteria in accordance with the Northern Forum Bylaws and regions co-financing. Shall be done before October 1, 2016.
2. To US National Park Service in Alaska and other interested parties from the USA in collaboration with Chukotka Autonomous okrug authorities to resume the Beringia Days International Conference, and to continue the cooperation between Chukotka and Alaska on Visa Waiver program in the field of nature conservation, traditional knowledge of indigenous people, culture, sports and tourism.

2017

The Northern Forum Governors' meeting, Arkhangelsk, 30 March 2017

The main event of 2017 was the Northern Forum Governors' Meeting dedicated to the topic "Strengthening the Role of the Northern Forum in the Arctic Cooperation" and it was held within the framework of the International Arctic Forum "Arctic-Territory of Dialogue", which is a key platform for discussing topical issues of socio-economic development in the Arctic, developing multi-level and multilateral mechanisms for joint unleashing and effective development of the powerful resource potential of the Arctic region.

The Governors' meeting was attended by governors and representatives of NF member regions, regional leaders and officials, interested in the activities of the organization, experts and other stakeholders.

The NF member regions were represented by:

1. Krasnoyarsk Krai, Russia
2. Alaska, USA
3. Akureyri, Iceland
4. Kamchatka Krai, Russia
5. Lapland, Finland
6. Magadan Oblast, Russia
7. Nenets Autonomous Okrug, Russia
8. Primorsky Krai, Russia
9. Sakha Republic (Yakutia), Russia
10. Khanty-Mansiysk Autonomous Okrug, Russia

11. Chukotka Autonomous Okrug, Russia
12. Yamal-Nenets Autonomous Okrug, Russia

Potential member regions:

1. Arkhangelsk Oblast, Russia
2. Greenland, Denmark
3. Troms County, Norway
4. Heilongjiang Province, China
5. Republic of Komi, Russia
6. Khabarovsk Krai, Russia

The meeting was moderated by **the Northern Forum Chair, Krasnoyarsk Krai Governor Viktor Tolokonskiy.**

Welcoming speeches were made by **Viktor Tolokonskiy, Arkhangelsk Oblast Governor Igor Orlov and Director of the Department of Interregional and Cross-Border Cooperation of the Russian Ministry of Economic Development, Rafael Abramian.**

The Executive Director of the Northern Forum, Mikhail Pogodaev started the meeting with the NF current activity report.

Once again the meeting confirmed the importance and complexity of issues we face in the Arctic. Particular importance of integrated efforts by different countries, regions of the Arctic, expert and public communities to solve these tasks more effectively was emphasized.

As a result, Viktor Tolokonskiy concluded that the position, expressed by Lapland, that the Northern Forum is not a cooperation of authorities, but a cooperation of people, should be a basic principle of the organization. It is necessary to involve our citizens, general public to this cooperation through various conferences, round tables, workshops, sports events, cultural festivals and forums. This will give stability to the Northern Forum and will enrich our expertise to meet various challenges. The Northern Forum's agenda should be much larger and more diverse, involving experts and public figures from various spheres.

In addition, exchange of best practices and better preparation of expert discussions are also objectives of the Northern Forum.

Number of regions expressed their support for the Northern Forum's work. Also, some regions expressed their willingness to join the Northern Forum. **Arkhangelsk Oblast Governor Igor Orlov** announced his request to start the procedure of full-scale accession of Arkhangelsk Oblast to the Northern Forum. **Khabarovsk Krai Governor Vyacheslav Shport**, who also took part in the meeting, completed his speech saying, that he will make the proposal, after which Khabarovsk Krai's membership in Northern Forum will be decided.

Igor Orlov, Arkhangelsk Oblast Governor, stressed the need to consolidate efforts for Arctic Ocean offshore and coastal development, and new horizons of cooperation should make a full use of the economic potential of northern regions, creating the most comfortable conditions.

Rafael Abramyan, Director of the Department of Interregional and Cross-Border Cooperation of the Russian Ministry of Economic Development, noted the significant contribution of the Northern Forum in promoting the most important initiatives, in developing interregional cooperation and constructive cooperation agenda. He stressed that the Northern Forum's main task is a creation of conditions for well-being and prosperity in challenging Arctic settings.

Egor Borisov, Head of Sakha Republic (Yakutia), focused on the development and use of the Northern Sea Route's transshipping capabilities to introduce local indigenous products into the world market and to increase tourist opportunities of Arctic regions, including expeditionary, ethnographic, ecological, historical, educational, research, sports, water and event tourism. Also he added that we have to intensify the Arctic research and exploration in specific areas.

Natalya Komarova, Governor of the Khanty-Mansiysk Autonomous Okrug-Ugra, suggested the need to develop Northern indigenous sports and conclude a Memorandum of Understanding between the Northern Forum and the World Ethnosport Society. She also proposed to establish a permanent advisory council on indigenous games and a unified register of bear worshippers, taking into account local varieties and features.

Mika Riipi, Lapland Governor, stressed the need for further expansion of the Northern Forum membership in the Nordic region and in the Northern America. In addition, he proposed the Northern Forum to jointly develop a document describing new methods of work, which must be adopted at the next General Assembly. Lapland is ready to work actively and to lead the document's development together with the Regional Coordinators and experts.

Roman Kopin, Governor-Chairman of Chukotka Autonomous Okrug Government, spoke about the main energy issues in Chukotka, about the launch of world's first 70 megawatt floating nuclear power plant in Pevek in 2019, announced plan to merge Chukotka and Magadan isolated electric grids into the North-Eastern power framework. This will reduce electricity tariffs by 2.5 times, what will reduce the pressure on small and medium businesses, improve the quality of life of local and indigenous peoples, as a whole, will not only resolve substitutional issues, but also issues of integrated and sustainable development of the Arctic region in the long term.

Igor Koshin, Nenets Autonomous Okrug Governor, indicated the most promising areas of cooperation: exchange of technology, development of telemedicine, training of social workers, introduction of medical software and equipment, renewable energy and reindeer skin salting technology.

Craig Fleener, Alaskan Governor's Arctic Policy Adviser, stressed that while it's sometimes difficult for national governments to resolve issues at the highest level, subnational leaders of the North, including indigenous peoples, can demonstrate to the world that they can lead the Arctic in peaceful dialogue with clear and specific successes in addressing issues that are common only to Northern and Arctic regions. He highlighted the following priorities: sharing best practices on the development of infrastructure, improving the living conditions of people, working on climate research, improving education, providing a future for youth with that education and the jobs we can provide, communications, healthcare, indigenous languages and cultures, quality of life, and food security.

Dmitriy Kobylkin, Yamalo-Nenets Autonomous Okrug Governor, stressed that the successful resource development is the main potential of the region, that Russian Arctic's competitiveness is directly associated with infrastructure development. Such major infrastructural projects that are being carried out in the region, such as Yamalo-Nenets support zone, Obskaya-Bovanenkovo-Sabetta

railway line, can become points of growth of the entire Arctic macro-region and other regions of the country.

Evgeniy Vishnyakov, Primorsky Krai's Vice-Governor, proposed all the Northern Forum members to make a full use of Primorsky Krai's scientific, educational and economic potential for sustainable development of the Arctic. He stressed that the Primorsky Krai Administration in collaboration with businesses and science communities is ready to develop cooperation on a wider range of Arctic development issues in the framework of the Northern Forum. Primorsky Krai is always ready to share its experience, open to communication with potential partners, investors and all parties interested in Arctic cooperation. International cooperation plays an important role in the development priorities of Primorsky Krai and leads to mutual understanding between partners on a wider range of issues, including environmental protection.

Cecilie Myrseth, Trøms Governor, Norway, proposed to find the methods of cooperation between the Northern Forum and the Barents Regional Council. Also she noted that the Arctic Mayors' Roundtable in the framework of the Arctic Council is a possible way of further international cooperation. Probably it is worth holding Arctic governors' meetings at various international platforms.

Mira Kleist, Special Adviser to the Department of International Affairs, representative of Greenland in the Arctic Council, told about how Greenland uses the regional cooperation to spur the diversification in economy, indicating that regional cooperation can be a way to find other ways and support each other in developing regional economies. Also she noted that we have to do our bit in order to sustain and strengthen the bilateral relationships. Greenland is increasing cooperation with Iceland to get more flights to and from Greenland and to ensure low pricing. Also, as the sea routes are opening, administrative cooperation should be established before these sea routes are further developed. Regional cooperation can strengthen indigenous people's rights and lives, and sustain the livelihood that they have now.

Mikhail Gmyrin, Mayor of Severodvinsk, Chairman of the Arctic Municipalities Association, told about his organization. To date, the Association includes about 60 municipalities located in the Russian Arctic zone. The most important issues for

cooperation with the Northern Forum are environmental safety, tourism, energy and transportation.

Vyacheslav Shport, Khabarovsk Krai Governor, noted that the Northern Sea Route should not just carry oil and gas, but give life to the northern territories in all fronts. Khabarovsk Krai is ready to provide its platform and to share experience with other regions in the field of industry, telemedicine, fish processing etc.

In conclusion, Viktor Tolokonnskiy encouraged the participants to be more open, to integrate, cooperate and collaborate in order to improve the quality and pace of Arctic development and to solve common issues.

After the meeting, **Permanent Secretary of Finnish Ministry of Environment Hannele Pokka** was awarded Walter Hickel Medal - founder of the Northern Forum - for her contribution to the organization and development of interregional cooperation in the North. Hannele Pokka served as a Governor of Lapland from 1994 to 2008, and chaired the Northern Forum from 2001 to 2005.

The meeting concluded with the adoption of a joint communiqué of the Northern Forum Governors. The communiqué welcomed the expansion of the Northern Forum's membership; it emphasizes the need for a fruitful and constructive representation and strengthening the role of the Northern Forum in the Arctic Council, the need to participate in international platforms on current problems and prospects of Arctic development and the need to strengthen cooperation with other international organizations.

Regional Coordinators Committee meetings

Arkhangelsk, 29 March 2017

The meeting was held in the Arkhangelsk Oblast Government Building and was moderated by **RCC Chair, Vice Chairman of Krasnoyarsk Krai Government Yuriy Zakharinskiy**.

The meeting was attended by representatives of Krasnoyarsk Krai, Akureyri, Alaska, Arkhangelsk Oblast, Lapland, Magadan Oblast, Nenets Autonomous Okrug, Sakha

Republic(Yakutia),ChukotkaAutonomousOkrug and Yamalo-NenetsAutonomousOkrug.

The meeting discussed the upcoming Northern Forum's Governors Meeting in Arkhangelsk and other operational issues. The 2016 outcomes were reviewed and the joint communiqué of Northern Forum governors was agreed.

The discussions resulted by signing the Resolution #188 on approving the Northern Forum's Working Groups Chairs.

Khanty-Mansiysk, June 29 – July 1, 2017

The regular RCC meeting was organized by Krasnoyarsk Krai and Northern Forum Secretariat in collaboration with External Relations Office of the Department of Public and External Relations of Khanty-Mansiysk Autonomous Okrug-

Ugra. A meeting coincided with International Ugra Governor's Cup Oblas Rowing Competitions within Vit-Khon Khatl festival in Nefteyugansky district, which took place on July 1, 2017.

The meeting was attended by 8 regional coordinators from Krasnoyarsk Krai, Khanty-Mansiysk Autonomous Okrug, Sakha Republic(Yakutia), Akureyri, Lapland, Kamchatka Krai, Chukotka Autonomous Okrug and Nenets Autonomous Okrug. Besides there was a potential NF member- Arkhangelsk Oblast. In addition to Regional Coordinators the meeting was attended by representatives of the NF member regions, experts and NF project members, chairs and members of NF Working Groups.

Two main issues The meeting's agenda consisted of: the strategy and project activities of the Northern Forum. The strategy section was carried out as an Innovation Camp group workshop, moderated by Lapland. Project activities section in form of a round table of NF Working Groups' Chairs and NF Projects Members.

The closed RCC session discussed an upcoming XIII General Assembly of the Northern Forum in Krasnoyarsk, as well as the adoption of resolutions. As a result, based on Regional Coordinators' comments and revisions, the following resolutions were adopted:

- Resolution #189 On approving Work Plan of the Northern Forum for 2018;
- Resolution #190 On approving the Northern Forum budget for 2017;
- Resolution #191 On approving the Terms and Conditions of Call for Projects;
- Resolution #192 On the Northern Forum strategy;
- Resolution #193 On report on the Northern Forum project activities;
- Resolution #194 On Admittance of New Business Partners to the Members of the Northern Forum.

On the last day of the event, participants met the Governor of Khanty-Mansiysk Autonomous Okrug - Ugra Natalya Komarova. Besides, the Northern Forum and the Federation of Ethnosport of Khanty-Mansiysk Autonomous Okrug - Ugra signed an agreement on Development of Ethnosports in Northern Regions.

As part of the event, participants visited various institutions of Khanty-Mansiysk. Therefore, the Governor of Lapland Mika Riipi and Federation Council Member from Chukotka Autonomous Okrug Anna Otke visited the Ugra Adaptive Sports Centre, where the adaptive sports were presented to them. In addition, Mika Riipi met the Deputy Governor of Khanty-Mansiysk Autonomous Okrug - Ugra Alexey Zabozaev. Besides, the Director of the Arctic Portal Halldór Jóhannsson and Professor at the University of Lapland Lassi Heininen paid a visit to Ugra State University. Thus, participants were given the opportunity to establish contacts and possible cooperation in the future, which is one of the positive and promising results of the event.

A more detailed report on this event is available in Russian at [the Northern Forum website](https://www.northernforum.org/images/documens/2017.compressed.pdf) (https://www.northernforum.org/images/documens/2017.compressed.pdf).

Working Meetings

During 2017, a number of working meetings with various international organizations were held to discuss possible areas of cooperation.

On the sidelines of the Arctic Council's Ministerial Meeting held in May **the Northern Forum met with the leaders of Ukpeaġvik Iñupiat Corporation**, which is interested in establishing business contacts with the regions of Northern Russia, in particular with organizations of indigenous peoples. The

Corporation has expressed interest in the revival of reindeer husbandry in Barrow, Alaska, and sought the help of the Northern Forum to establish contacts with the leaders of the northern regions of Russia. The Corporation is ready to purchase reindeers and attract reindeer husbandry experts in order to reintroduce this kind of indigenous traditional economic activities in Alaska. The main partners of this project are the Association of World Reindeer Herders and the International Centre for Reindeer Husbandry. Following the meeting, the UIC Arctic Business Relations LLC became a business partner of the Northern Forum.

During the Arctic Energy Summit in Helsinki (September 18-20) the project was further discussed with **Anthony E. Edwardsen, President and CEO (now-the Director) of Ukpeaġvik Iñupiat Corporation.**

Within the Arctic Energy Summit several side meetings were carried out, including with **Gwen Holdman of Alaska Center for Energy and Power (ACEP)** and **Greg Polzer of University of Saskatchewan** on the NF participation in the Arctic Council SDWG approved Arctic Remote Energy Networks Academy (ARENA) project. The project requires greater participation and data exchange from regions of Russia.

In addition, there was a meeting with **Halldór Jóhannsson, Director of the Arctic Portal** to discuss further action on the Arctic Business Portal project and the development of the NF website.

Besides,

in September in Yakutsk, a meeting with representatives of the Embassy of Finland in Russia was held: **the Second Secretary of Economic Relations Unit Aliisa Thornberg and Counsellor on Cultural Affairs of Publicity Unit Henriikka Ahtiainen.** The meeting focused on Lapland's participation in the Northern Forum's activities. In October there was a second meeting in the Embassy of Finland in Russia, where the parties discussed the prospects for cooperation on specific areas and projects between the regions during Finland's Chairmanship in the Arctic Council. In particular, the possibility of holding joint events within the premises of the Embassy of Finland in Moscow, for example, in fields of interests of Northern Forum member regions - responsible use of natural resources and environmental protection, sustainable economic development of the northern territories and the development of education and science in the Arctic.

On the sidelines of the Arctic Circle Assembly (October 13-15), there was a meeting with **Yekaterina Kontar, a postdoctoral scholar and coordinator of the Pan-Arctic Options Project, Tufts University, Fletcher School of Law and Diplomacy**. The meeting discussed the idea of holding a joint high-level meetings with the heads of the northern regions on the topic “Regional Investment for Sustainable Development in the Arctic” (provisional working title) in 2018. As a possible venue, the option of Lapland was discussed. The Fletcher School of Law and Diplomacy received a grant from the National Science Foundation to conduct such an event with the participation of regional governments. Therefore, we were asked to hold this meeting jointly, taking into account the great experience of the Northern Forum in organizing meetings of regional leaders.

With the assistance of the Assistant to the Mayor of Akureyri **Katrín Ríkarðsdóttir** (now – the Director of the Center for Gender Equality) a meeting with **the President of the International Arctic Science Committee (IASC) Susan Barr and the Executive Secretary Allen Pope** was held. The meeting discussed the prospects of cooperation between the Northern Forum and the IASC on development of international scientific cooperation in the Arctic and ensuring the scientifically based decision-making in the Arctic.

As suggested by the Director of the Arctic Portal **Halldór Jóhannsson**, the Executive Director of the Northern Forum **Mikhail Pogodaev** took part in an **APPLICATE project workshop**, which is financed under the “Horizon 2020” EU program. The Northern Forum is invited as a project’s end-user of information, which will be provided as a result of the project. The overarching goal of APPLICATE is to develop enhanced predictive capacity for weather and climate in the Arctic and beyond, and to determine the influence of Arctic climate change on Northern Hemisphere mid-latitudes, for the benefit of policy makers, businesses and society.

Working Meetings on Northern Forum Strategy

Following the Regional Coordinators Committee meeting in Khanty-Mansiysk, Lapland was assigned to lead a development of draft NF Strategy. During the second half of the year a joint drafting of this document was carried out. The draft Strategy includes the principles, values and key areas of the new Northern Forum.

Two working meetings were held in Helsinki and Reykjavik, also day-to-day discussions via e-mail are being conducted.

September 20, 2017 on the margins of the Arctic Energy Summit there was NF working meeting between Executive Director of Northern Forum Mikhail Pogodaev, County Governor of Lapland Mika Riipi, International Cooperation Manager of the Regional Council of Lapland Kristiina Jokelainen and Executive Director of the Institute of the North Nils Andreassen – to discuss the first draft of a new NF strategy proposed by Lapland. Following the meeting, it was agreed to further develop a paper, taking into account all remarks and proposals by the NF member regions, and further discuss it at the Arctic Circle Assembly in Reykjavik.

The final draft strategy will be presented to NF Board of Governors for discussion and approval at the XIII NF General Assembly in Krasnoyarsk on November 23-25, 2017.

In October 15, 2017 during the Arctic Circle Assembly the Northern Forum continued

the discussion of the draft strategy developed by Lapland. The workshop was attended by the Governor of Lapland Mika Riipi, Mayor of Akureyri Eiríkur Björn Björgvinsson, International Cooperation Manager of the Regional Council of Lapland Kristiina Jokelainen, Assistant to the Mayor of Akureyri Katrín Björg Ríkarðsdóttir (now-Director of the Center for Gender Equality), Executive Director of the Institute of the North Nils Andreassen, Professor of Arctic Politics at the University of Lapland Lassi Heininen, Director of the Russian Centre of Arctic and High North Economy Aleksandr Pilyasov, Director of the Arctic Portal Halldór Jóhannsson, Executive Director of the Northern Forum, Mikhail Pogodaev, UIC Arctic Business Relations Director Kristina Baiborodova, International Cooperation Adviser to the Head of Sakha Republic (Yakutia) Eduard Klimov and others.

The final Strategy will be presented to NF Board of Governors for discussion and approval at the XIII NF General Assembly in Krasnoyarsk.

5. ARCTIC COUNCIL

2016

In 2016 the Northern Forum Secretariat have prepared a report on the Northern Forum activities and its engagement in the Arctic Council. As a result, Senior Arctic Officials decided that the Northern Forum should maintain its Observer status in the Arctic Council.

In 2016 the Northern Forum representatives attended the following events:

I. Arctic Council Senior Arctic officials (SAO) meeting

At SAO meetings, held twice a year, Senior Arctic officials, Permanent Participants, Observers, Working Groups and subsidiary bodies of the Council address ongoing efforts on a range of topics of high importance of the Arctic, as well as organizational matters and other business.

During SAO meetings, the Northern Forum Executive director had a number of meetings with SAO for the Russian Federation, Norway, Sweden, Finland, to discuss matters related to the Northern Forum activities. The discussion with SAOs for Scandinavian countries was initiated in order to engage them into interregional cooperation within the Forum. SAO for Finland stated that he has a favourable view of Finland's reinstatement in the Forum. SAOs for Norway and Sweden also expressed their support for greater involvement of their regions in the Northern Forum activities.

The first meeting in 2016 took place on 16-17 March in Fairbanks, USA. Most of the discussion was focused on the Arctic Council actions on climate change and resilience of the Arctic communities, including Black Carbon and Methane Expert group activities, several projects aimed at increasing resilience to climate change of the Arctic communities, implementation of the One Health project, as well as the Arctic Council contribution to climate change adaptation in the context of the intergovernmental agreement on climate change (COP21) adopted in Paris in last December.

The results of the Arctic Council's activities on Arctic oil and gas production issues, numerous efforts to prevent oil pollution of the Arctic marine environment, initiatives to reduce black carbon and methane emissions from the oil and gas sector, and preparatory work for the Arctic Regulators Forum.

The Committee also discussed economic issues in the region and interaction with the Arctic Economic Council, which was established very recently and should become a forum for the development of cooperation in the economic

development of the Arctic, while representatives of the Arctic states and indigenous organizations recognized the continuing importance of interaction with the Arctic communities of indigenous peoples, in particular, to ensure that traditional and local knowledge is included in the decision-making process.

The second meeting was held on October 5-6 in Portland, USA. The meeting agenda included the discussion of the Council's work in such areas as climate change and sustainable development, reduce of black carbon and methane emission, the Arctic Council strategic plan with a long-term view, response to the oil pollution and prevention, as well as scientific cooperation. Also, the presentation of the Finnish Chairmanship Program for 2017-2019 took place.

II. Sustainable Development Working Group (SDWG)

Sustainable Development Working Group meeting was held on March 11-12, 2016, in Barrow, Alaska. The Northern Forum Executive Director Mikhail Pogodaev and the Northern Forum Authorized Representative to the North America, Executive Director of the Institute of the North Nils Andreassen attended the meeting on behalf of the Northern Forum.

Mikhail Pogodaev delivered a presentation on the Northern Forum activities and implementation of the regional cooperation projects, and called for active cooperation with the Arctic Council, particularly with the Sustainable Development Working Group, as this working group projects address issues related to human dimension and socioeconomic development in the Arctic.

The meeting reviewed outcomes of the current projects: EALLU: Reindeer Herding Youth, Adaptation to Climate Change and Food Culture; Arctic Adaptation Exchange Portal; Arctic Energy Summit; Arctic Remote Energy Networks Academy (ARENA); Assessing, Monitoring and promoting Arctic Indigenous Languages, and etc.

The new project proposals were also reviewed. Pursuant to the discussion, the following projects have been approved: The Arctic as a Food Production Region (Canada, Norway), Arctic Renewable Energy Atlas (AREA), Improving Health in Arctic Communities through Safe and Affordable Access to Household Running Water and Sewer: Water, Sanitation and Health (WASH).

The Arctic Human Health Expert Group (AHHEG) and Social, Economic and Cultural Expert Group (SECEG) presented the review reports.

III. Arctic Science Summit Week

The Arctic Science Summit Week was held on March 12 – 18, 2016 in Fairbanks, Alaska, USA.

Mikhail Pogodaev made a presentation entitled “Role of scientific research in sustainable development of the Arctic communities” at the International Arctic Assembly plenary session. In his speech, as well as presenting the NF activities and projects, he outlined its cooperation with academia and the Northern indigenous peoples’ organizations.

During the Arctic Science Summit Week, the Northern Forum had meetings with the representatives of research organizations, which are specialized in the Arctic research to discuss possible cooperation projects within the Northern Forum. For instance, a lead of the NF Water & Climate change project Nikita Tananaev and representatives of the M.K. Ammosov North-Eastern Federal University took part in events organised within the framework of the P2P “Reducing Spring Flood Impacts for Wellbeing of Communities of the North”, where they had an opportunity to share their experience with Alaskan colleagues and discuss further cooperation in preventing and reducing spring flood damage in the Northern regions.

2017

During 2017 the Northern Forum was represented at following events:

CAFF meeting in Kautokeino, February 1-2, 2017

Executive Director of the Northern Forum, Mikhail Pogodaev and NF Environment and Conservation of Biodiversity working group Chair, the Minister of Nature Protection of Sakha Republic (Yakutia) Sakhamin Afanasyev presented the Northern Forum at the Arctic Council’s Conservation of Arctic Flora and Fauna (CAFF) working group meeting. The meeting discussed the CAFF working plan and Arctic biodiversity implementation priorities, as well as CAFF achievements for the biennium.

Sakhamin Afanasiev made a presentation on “The System of Protected Areas in Sakha Republic (Yakutia): from the local system to a contribution to the World Natural Heritage” and also provided information on the NF activities in environmental monitoring, biodiversity conservation, cooperation of Northern zoos and environmental education.

AMAP meeting in Yakutsk, February 15-16, 2017

The first day of the conference discussed a public health monitoring in the Arctic, the AMAP group research work, the second day's agenda was cold injury in the Arctic, as well as international cooperation and exchange of experience in the treatment of cold injury.

AMAP was represented by:

- Jon Odland, Professor of Department of Community Medicine, UiT The Arctic University of Norway, Tromsø, Norway
- Turid Austin Wæhler, Senior Advisor of Centre for Arctic and Global Health, UiT The Arctic University of Norway, Tromsø, Norway
- Erik SvebergDietrichs, Professor of Department of Clinical Medicine, UiT The Arctic University of Norway, Tromsø, Norway, resident doctor, University Hospital of Northern Norway
- Timofei V. Kondratiev, Leading Expert of Emergency Anesthesiology Research Group of Department of Clinical Medicine, UiT The Arctic University of Norway, Tromsø, Norway
- Vitaly A. Postoev, MD, Vice Dean of the International Department of General Practice of the Northern State Medical University, Head of the Arkhangelsk International School of Public Health

Week of the Arctic within the framework of Arctic Council Ministerial Meeting, May 8-14, 2017

In accordance with the NF work plan, and in order to implement an observer status, the Northern Forum participated in the Arctic Council Ministerial Meeting, as well as in a series of major events devoted to the completion of the US chairmanship of the Arctic Council. The Northern Forum was represented in InterChange program by the Executive Director of the Northern Forum, Mikhail Pogodaev and Executive Director of the Institute of the North Nils Andreassen. After that, Yegor Makarov, a NF business partner/director of Clean Water LLC and Nikolai Gabyshev, Muus Khaia Restaurant Chief from Yakutsk joined them during the North by North program.

It is worth mentioning that in all platforms of the Week of the Arctic the idea of increasing the role of local and regional governments was voiced, indeed at this level all life decisions are taken and Arctic policies are implemented. Representatives of sub-national governments need to be involved in shaping the international agenda and Arctic policies. Delegations from countries such as the

USA, Canada and Denmark included regional representatives at this Ministerial Meeting.

Therefore, the Northern Forum has to do a lot of work to develop an effective mechanism for regional government's involvement in international Arctic cooperation and strengthening the role of regions in the Arctic Council.

As a major outcome of the Ministerial meetings can be identified that the countries and permanent members have agreed to continue working together and to maintain the Arctic as an area of peace and cooperation.

The Northern Forum participated in the following events:

- Ministerial Meeting of the Arctic Council, May 11

The foreign ministers of the eight Arctic States and the leaders from the six indigenous Permanent Participant organizations of the Arctic Council convened at the 10th Arctic Council Ministerial Meeting to mark the conclusion of the two-year U.S. Chairmanship and to herald the beginning of the Finnish Chairmanship, which will run from 2017 to 2019.

The ministers signed the third binding agreement negotiated under the auspices of the Arctic Council, the "Agreement on Enhancing International Arctic Scientific Cooperation", which will help to facilitate entry and exit of persons, equipment, and material; access to research infrastructure and facilities; access to research areas; the use of traditional and local knowledge; and education, career development, and training opportunities for students and early-career scientists.

Ministers also signed the Fairbanks Declaration, which reviews the work of the Council during the outgoing U.S. Chairmanship and provides guidance for the Council's work during the incoming Finnish Chairmanship.

The four priorities for the Finnish Chairmanship's two years are: environmental protection; connectivity; meteorological cooperation; and education.

- International Arctic Assembly, May 9

Assembly was a plenary panel discussion with the participation of various experts. It consisted of 4 sessions on enhancing Arctic scientific cooperation, promoting co-production of knowledge, Arctic infrastructure and the Arctic from a global perspective.

- Summing up the results of the U.S. Chairmanship of the Arctic Council, May 10

The results of the U.S. Chairmanship of the Arctic Council were presented in the form of reports and presentations of the Arctic Council working groups' projects.

- Seminar on Arctic Council EALLU: Arctic Indigenous Youth, Arctic Change and Food Culture

The Northern Forum is one of the project participants. As part of the US Arctic Council Chairmanship conclusion, EALLU final report presented in a form of a cookbook with participation of indigenous Permanent Participant organizations of the Arctic Council

- Arctic Council Observers' Breakfast, May 11,
The meeting focused on ways to improve the work of observers in the Arctic Council. Many participants noted the need to strengthen the role of observers. For this purpose, it was decided to create a small working group from among the observers' representatives to develop a vision or a concept of further and more effective engagement of observers in the Arctic Council.
- Arctic Mayors' Roundtable, May 11
Municipal representatives gathered at the Roundtable to discuss common challenges and to join hands for cooperation and to share experience in the Arctic settlements' management. A member of the Northern Forum, Mayor of Akureyri Eiríkur Björn Björgvinsson and Regional Coordinator Katrín Ríkarðsdóttir also participated in the Roundtable.
The Arctic Mayoral Declaration was adopted as a result of the Roundtable
- Northern Local Food Tasting, May 13
Head Chefs from across the Arctic gathered together to make their favourite dishes from Canada, Greenland, Iceland, Norway, Sweden, Finland and Russia at the festival of Northern peoples' food culture. Head Chef of Muus Khaia restaurant Nikolai Gabyshev took part in the festival on behalf of the Northern Forum.
- Arctic Film Festival, May 14
A film called "24 Snows" by the Northern Forum business partner, Director of Clean Water LLC Egor Makarov, "Sien Eker" by Sergei Yermolaev, and "When Gods Come Closer" by Eduard Novikov were presented with great success.
- The panel discussion on US-Russia cooperation in the Arctic, May 14

The major issues discussed were the barriers and new opportunities for strengthening the cooperation of US and Russia in the Arctic. Discussion mostly focused on the history of interaction within the Northern Forum, as well as the new opportunities to strengthen the cooperation in light of Alaska's return to the Northern Forum.

SDWG meeting in Inari, September 21-22, 2017

This was the first Arctic Council Sustainable Development Working Group (SDWG) meeting under Finnish Chairmanship. The meeting reviewed SDWG Work Plan for 2017-2019, project proposals, and status reports on ongoing projects.

The delegation of the Northern Forum was represented by the Executive Director of the Northern Forum, Mikhail Pogodaev, Director of the Institute of the North Nils Andreassen, First Deputy Minister of Education and Science of Sakha Republic (Yakutia) Feodosiya Gabysheva, Director of International Baccalaureate Educational Program of International Arctic School Natalia Sitnikova.

Feodosiya Gabysheva presented the International Arctic School project initiated by the Head of Sakha Republic (Yakutia) Yegor Borisov. The School aimed at the integration of federal and international education standards to preserve and develop a human capacity in the Arctic and High North will be established in Yakutia in 2019. Currently, School preconstruction activities and future faculty staff training are in progress.

Mikhail Pogodaev presented the current actions on the EALLU: Arctic Indigenous Youth, Arctic Change and Food Culture.

The Northern Forum's "Human in the Arctic", a project initiated by Sakha Republic (Yakutia), promotional work was continued and it was agreed to perform a more detailed study with participation of Sweden, Norway, Canada and the United States. The Arctic Council's possible support of the project is being discussed. In particular, AC's SLiCA (Survey of Living Conditions in the Arctic) project members are discussing the possibility of joining efforts with the "Human in the Arctic" project, to study the quality of life in arctic regions and are very interested in Yakutia's experience at sociological surveys and studies in this area.

AC SAO meeting in Oulu, October 25-26, 2017

Arctic Council's Senior Arctic Officials meeting held in Oulu, Finland, on 25-26 October 2017, was attended by representatives of the eight Arctic states and six indigenous Permanent Participant organizations, as well as the Arctic Council's six Working Groups and more than thirty Observers. The Northern Forum was represented by the Governor of Lapland Mika Riipi and NF Executive Director, Mikhail Pogodaev.

The meeting opened with the announcement of the appointment of Nina Buvang Vaaja as the new director of the Arctic Council Secretariat.

Delegates then addressed overarching issues for the Arctic Council, such as pollution prevention, education, and the Council's strategic focus for the years ahead. Much of the Council's work in these areas is carried out by its six Working Groups — ACAP, AMAP, CAFF, EPPR, PAME, and SDWG — as well as its Task Forces and Expert Groups. In addition to these broad thematic discussions, the Council also received progress reports from the Working Groups and specific updates.

Also, the special session devoted to the current and potential future contributions of Arctic Council's Observers' in Arctic pollution prevention took place. The Northern Forum was represented by the Governor of Lapland Mika Riipi, who presented information on NF member-regions' activities, and on main achievements and challenges faced by regional governments on pollution prevention in the Arctic. Upon NF Secretariat's request, the following regions have sent their proposals on this matter: Alaska, Akureyri, Khanty-Mansi Autonomous Okrug, Sakha Republic (Yakutia), Yamalo-Nenets Autonomous Okrug and Magadan Oblast. All these proposals were submitted to the Arctic Council also in writing.

Another item broadly discussed by Senior Arctic Officials and Permanent Participants was the education. The discussion noted the experience of Russian regions (Sakha Republic (Yakutia) and Yamalo-Nenets Autonomous Okrug) in a development of the Nomadic Schools System and an implementation of the project “Arctic Children: Preschool Education”. In addition, the representative of the Russian Association of Indigenous Peoples of the North, Siberia and Far East of the Russian Federation (RAIPON) Vladimir Klimov spoke about a joint initiative of Sakha Republic (Yakutia) in preparing to the Congress of Teachers of Native Languages, Literature and Culture of Indigenous Peoples of the North, Siberia and Far East Russia, which will be held on November 21-22, 2017 in St. Petersburg within the premises of Herzen State Pedagogical University of Russia.

2018

Meeting of the Arctic Council’s Protection of the Arctic Marine Environment (PAME) Working Group, Quebec, Canada, 12-14 February

Delegations from all Arctic Council member states (Russian Federation, Canada, Denmark, Finland, Iceland, Norway, Sweden and the USA), representatives of the Secretariat and other working groups of the Arctic Council, as well as delegations of non-governmental organizations took part in the PAME meeting.

One of the main issues of the PAME agenda was the discussion on the implementation of the recommendations of the Arctic Maritime Shipping (AMSA).

Delegations also discussed the implementation of the project on the harmonized implementation of the Polar Code, led by Russia and Finland. Within the first information stage of this project, a brochure on the provisions and requirements of the Polar Code has been prepared. It is planned that this project will be presented at the International Conference on the Polar Code (February 22, 2018, Helsinki, Finland). Delegations asked Russia and Finland to continue work on the preparation of project proposals for the harmonized implementation of the Polar Code.

The Northern Forum was represented by Jim Gamble, Senior Researcher at the Institute of the North, presenting the proposals of the Northern Forum member regions on agenda items, as well as on issues that are part of the work of the Working Group, such as the implementation of the provisions of the International Polar Code, traditions and culture indigenous peoples in the use of

sea spaces for navigation, fishing and sea hunting, the use of fuel in the delivery of goods to the Arctic communities, etc.

The Arctic Council's SDWG Meeting, Заседание Рабочей группы Арктического Совета по устойчивому развитию (SDWG), Kittilä, Finland, March 19-20

The purpose of the meeting was to review the implementation and finalization of project proposals; identification and preparation for major events in 2018 and 2019; discussion of SDWG strategic planning in accordance with the new Strategic Framework.

6. NF REPRESENTATION AT EVENTS

The Northern Forum representation at events of the Arctic agenda and related issues is an important part of work to promote our actions and attract new members and partners into our activities.

During the period from November 2015 to March 2018, the Northern Forum has been represented at various international and Russian platforms.

2016

- International Conference “Arctic Frontiers - 2016”. Industry and Environment, January 24-29, 2016, Tromsø, Northern Norway
- THE 4TH MEETING OF THE WORKING GROUP ON INTER-REGIONAL AND CROSS-BORDER COOPERATION OF THE INTERGOVERNMENTAL RUSSIAN-NORWEGIAN COMMISSION ON ECONOMIC, INDUSTRIAL AND SCIENTIFIC TECHNICAL COOPERATION, 26 JANUARY 2016, KIRKENES, NORWAY
- XIII KRASNOYARSK ECONOMIC FORUM (KEF), 18-20 FEBRUARY 2016, KRASNOYARSK, RUSSIA
- “INTERNATIONAL AND INTERREGIONAL COOPERATION FOR THE DEVELOPMENT OF EDUCATION, PRESERVATION OF CULTURE AND SPORTS OF THE INDIGENOUS PEOPLES OF THE NORTH” ROUNDTABLE, 6 APRIL 2016, KRASNOYARSK, RUSSIA
- ARCTIC COUNCIL EALLU PROJECT INTERNATIONAL WORKSHOP “A FUTURE VISION FOR THE REINDEER MEAT INDUSTRY: THE ROLE OF NEW TECHNOLOGIES AND TRADITIONAL KNOWLEDGE”, 16-17 MAY 2016, EMBASSY OF THE KINGDOM OF NORWAY IN MOSCOW, RUSSIA

- ARCTIC ECONOMIC DEVELOPMENT CONFERENCE WITHIN THE FRAMEWORK OF THE ST. PETERSBURG INTERNATIONAL ECONOMIC FORUM (SPIEF 2016), 18 JUNE 2016, SAINT PETERSBURG, RUSSIA
- “ENERGY TRANSITIONS AND A GLOBALIZED ARCTIC: THE ROLE OF SCIENCE, TECHNOLOGY AND GOVERNANCE” INTERNATIONAL CONFERENCE, 19 AUGUST 2016, SINGAPORE
- “APPLIED SKILLS FOR THE ARCTIC – ARCTICSKILLS” ROUNDTABLE WITHIN THE FIRST UARCTIC CONGRESS, 12 SEPTEMBER 2016, SAINT PETERSBURG, RUSSIA
- ARCTIC CIRCLE INTERNATIONAL ASSEMBLY – 2016, 7-9 OCTOBER 2016, REYKJAVIK, ICELAND
- INTERNATIONAL COOPERATION IN THE ARCTIC: NEW CHALLENGES AND VECTORS OF DEVELOPMENT, 12-13 OCTOBER 2016, MOSCOW, RUSSIA
- XV ALL-RUSSIA FORUM “STRATEGIC PLANNING IN THE REGIONS AND CITIES OF RUSSIA: BUILDING ALIGNMENT THROUGH DIALOGUE”, 24-25 OCTOBER 2016, SAINT PETERSBURG, RUSSIA
- OFFICIAL VISIT OF DELEGATION FROM THE KINGDOM OF NORWAY LED BY AMBASSADOR EXTRAORDINARY AND PLENIPOTENTIARY LEIDULV NAMTVEDT, 26 NOVEMBER – 2 DECEMBER 2016, YAKUTSK, RUSSIA
- ARCTIC COUNCIL EALLU PROJECT INTERNATIONAL WORKSHOP “A FUTURE VISION FOR THE REINDEER EMAT INDUSTRY: THE ROLE OF NEW TECHNOLOGIES AND TRADITIONAL KNOWLEDGE”, 26 NOVEMBER 2016, YAKUTSK, RUSSIA
- ARCTIC RECEPTION, 28 NOVEMBER 2016, YAKUTSK, RUSSIA
- INTERNATIONAL HUMANITARIAN FORUM CIVIL INITIATIVES OF THE 60TH PARALLEL REGIONS, 1-2 DECEMBER 2016, KHANTY-MANSIYSK, RUSSIA
- INTERNATIONAL FORUM ARCTIC: TODAY AND THE FUTURE, 5-7 DECEMBER 2016, SAINT PETERSBURG, RUSSIA

2017

- “Arctic Frontiers 2017 – White Space – Blue Future” International Conference, Tromsø, Norway, January 22-27, 2017
- “Arctic: Territory of Dialogue” International Arctic Forum, Arkhangelsk, Russia, March 29-30, 2017
- The 2nd Congress of Environmentalist of Sakha Republic (Yakutia), Yakutsk, Russia, April 4-7, 2017
- “Polar Bear Universe” Conference, Egvekinot, Russia, April 28, 2017
- XV “Save and Preserve” International Environmental Campaign, Khanty-Mansiysk Autonomous Okrug-Ugra, Russia, May 19 – June 9, 2017
- 9th International Congress of Arctic Social Sciences (ICASS IX), Umeå, Sweden, June 8-12, 2017
- International Oblas (hollowed log boat) Rowing Competition – the Governor of Ugra Cup within Vit Khon Khatl festival, Nefteyugansk Region, Khanty-Mansiysk Autonomous Okrug-Ugra, Russia, July 1, 2017
- “Ugra Salvation” Khanty-Mansiysk Autonomous Okrug Indigenous Association Coordination Committee Expanded Meeting, Nefteyugansk District, Russia, July 1, 2017
- “Protected Areas: Current Situation and Prospects” Interregional Conference with International Participation, Yakutsk, Russia, August 8-10, 2017
- 6th World Reindeer Herders Congress, Jokkmokk, Sweden, August 16-20, 2017
- Arctic Energy Summit, Helsinki, Finland, September 18-20, 2017
- Arctic Circle Assembly, Reykjavik, Iceland, October 13-15, 2017
- The III International Congress of Traditional Art & Culture: the Issues of Fundamental Research of Folk Art, Khanty-Mansiysk, Russia, October 23-25, 2017

- The II International Research Conference “Siberian Ugric People in a Necklace of Subarctic Cultures: Common and Unique”, Khanty-Mansiysk, Russia, October 30-31, 2017 (A Letter of Intent was signed with Torum Maa Ethnographic Open-Air Museum)
- The II Siberian Environmental Change Network (SecNet) annual international Workshop “Siberia in a global context. Winter Weather and Climate Extremes: how can researchers, authorities and local peoples work together to record, predict and adapt?”, Salekhard, October 31 – November 05, 2017
- International Workshop Conference “Reality of Ethnos”, St.Petersburg, Russia, November 22-23, 2017
- UN Expert Seminar on free, prior and informed consent, Santiago, Chile, December 4-5, 2017
- “Arctic: Today and the Future” International Forum, St.Petersburg, Russia, December 4-6, 2017
- All-Russian Workshop Conference “Far-East Russia Development Issues”, Petropavlovsk-Kamchatsky, Russia, December 6-7, 2017

2018

- APPLICATE project General Assembly, Barselona, Spain, January 15-17, 2018
- Arctic Frontiers 2018 – Connecting the Arctic, Tromso, Norway, January 21-26, 2018
- “School of Life in the North” Research Conference for Schoolchildren, within NF Partnership of Schools project, Namtsy, Sakha Republic (Yakutia), Russia, February 15, 2018
- International Inclusive SMART-ART Festival “Show Yourself”, Yakutsk, Russia, March 14 – 15, 2018
- V International Conference “Fishing in the Arctic: Modern Challenges, International Practice, Prospectives”, Murmansk, Russia, March 14-15, 2018
- The 5th Interregional and Cross-border Cooperation Working Group of Intergovernmental Norwegian-Russian Commission on Economic,

Industrial and Scientific-Technical Cooperation under Co-Chairmanship of the Deputy Minister of Economic Development of the Russian Federation – Head of the Federal Agency of State Property Management D.V.Pristanskov and the State Secretary of the Ministry of Trade, Industry and Fishing of Norway, R.Angelvik, Murmansk, Russia, March 15, 2018.

7. 2015-2017 BUDGET.

7.1 2015 Budget

Since its foundation in 1991, the Northern Forum's activities had always been and are financially dependent on membership fees from regions and business partners. But some regions in the past have invested their additional grants to implement specific projects. Recently, the presiding region has been underinvesting for the maintenance of the secretariat and holding the main meetings of the organization. In the financing of project meetings and seminars, the host regions utilize their own financial resources.

In 2015, the Sakha Republic (Yakutia) as the NF Secretariat's host region, have supported the Secretariat by providing communication services, the Internet and office space on a free basis.

See the tables of income and expenditure for January-December 2015.

Income in accordance with the cash book					Additional Grant/ Services
Membership Fees 2015	Amount of fee	Total Amount	Paid Amount	In rubles	
1. Akureyri Municipality	\$ 5 000	\$ 5 000	\$ 4 950	271 048,31	
2. Chukotka AO	\$ 5 000	\$ 5 000	\$ 5 000	325 000,00	
3. Gangwon Province	\$ 25 000	\$ 25 000	\$ 25 000	1 430 480,00	
4. Kamchatka Krai	\$ 17 000	\$ 17 000	No payment (letter)	0,00	
5. Khanty-Mansiysk AO	\$ 25 000	\$ 25 000	\$ 25 000	1 500 750,00	
6. Sakha Republic (Yakutia)	\$ 25 000	\$ 25 000	\$ 15 400	1 652 370,00	Office, equipment and communication
7. Yamalo-Nenets AO	\$ 25 000	\$ 25 000	No payment	0,00	

8. Murmansk Oblast – observer	\$ 0	0	0	0,00	
GRAND TOTAL	\$ 127 000	\$ 127 000	\$ 75 350	5 179 648,31	

Business Partners Fees 2015	Level of Fee	Total Sum	In Russian ruble	Paid/sum
1. Clean Water LLC, Sakha Republic (Yakutia)	\$ 1 000	\$ 1 000		0
2. Arigote LLC, Sakha Republic (Yakutia)	\$ 1 000	\$ 1 000		0
3. Tirekh Agricultural Co-operative, Sakha Republic (Yakutia)	\$ 1 000	\$ 1 000		0
4. Prognoz LLC, Sakha Republic (Yakutia)	\$ 1 000	\$ 3 000		0
5. Hokkaido International Exchange and Cooperation Center, Japan	\$ 1 000	\$ 1 000		
6. Orsa Gronklitt Predator Center, Sweden	\$ 1 000	\$ 1 000	57 219,20	\$ 1 000
7. Institute of the North, Alaska	Offsetting			
8. Association of Northern Chamber of Commerce, Russia	\$ 1 000	\$ 1 000		0
9. Lapland Chamber of Commerce, Finland	\$ 1 000	\$ 1 000		- 0
10. Sole Entrepreneur Ivanov A.D. “SMYK-Master” poligraphy	Offsetting			
11. SuluS LLC, Saint Petersburg, Russia	\$ 1 000	\$ 1 000	53 440,00	\$ 1 000
12. Alaska Native Heritage Center, USA	Offsetting			
13. The Northern Forum Academy	\$ 1 500	\$ 1 500		
14. SaNoKi Peasant Farm Enterprise»	\$ 1 000	\$ 1 000		
GRAND TOTAL	\$ 11 500	\$ 13 500	110659,20	\$ 2 000

Total Income January-December 2015			5 290 307,51	\$ 77 350
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Intangible Incomes

Government of the Republic of Sakha (Yakutia) - Department of External Relations	Office premises, equipment, communications (telephone, fax, Internet)
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Cash outflow from the cash book for January December 2015

№	Item of Expenses	Rubles
1	Wage Fund (a year), including	2 985 684-01
	Executive Director	1558476-86
	Deputy Executive Director	606515-15
	Chief Specialist	482760-00
	Accountant (part-time)	337932-00
2	Charging to the wage fund (30.2%)	827 531,62
3	Travel Expenses	644 802-70
6	Material Expenses	273 296-00
7	Other Expenses	41 203-00
8	Banking Services	21 691-99
	TOTAL	4 794 209-32

Remaining Balance as of 01.01.2016 was 639 460,08 rubles.

Comments

Replenishment of the budget revenues of 2015 was complicated due to the deteriorating financial situation in the world and in Russia, in particular. Two regions - the Yamalo-Nenets Autonomous Okrug and the Kamchatka Krai were unable to pay membership fees due to limited

budgets. These regions' governors letter regarding this was received in April 2015. Nevertheless, due to the depreciation of the ruble and the fact that the secretariat of the Northern Forum is located on the territory of the Russian Federation in 2015, it was possible to balance the budget with increased revenues from members of the Northern Forum.

At the same time, it should be noted that due to budget constraints in 2015, and due to changes in the operational structure of the organization, it has not been possible to channel funds for the implementation of the projects of the Northern Forum.

In the table of the expenditure side of the budget due to fluctuations in the ruble exchange rate during the year, and also considering that the Secretariat is located in Yakutsk and all expenses were incurred in rubles. Calculations of expenses in US dollars will be very difficult, because expenses occurred during the year and fluctuations in the US dollar rate were significant. It is possible to use the weighted average rate of the US dollar, which in 2015 was 60.95 rubles to 1 US dollar.

7.2 2016 Budget

Since its foundation in 1991, the Northern Forum's activities had always been and are financially dependent on membership fees from regions and business partners. In the financing of project meetings and seminars, the host regions utilize their own financial resources.

In 2016, the Sakha Republic (Yakutia) as the NF Secretariat's host region, in addition to membership fees, have supported the Secretariat by providing communication services, the Internet and office space on a free basis..

* Forecast of the RF Ministry of Economic Development at the ruble exchange rate for 2016 is 63.3 rubles per US dollar

63,30

Russian regions pay membership fees at the rate of 63.3 on the basis of the Forecast of the Social and Economic Development of the Russian Federation for 2016 and for the Planning Period 2017 and 2018

Income of funds to the cash book					Additional grant/serv ices
Regional Membership fees 2016	Fee Level, \$	Fee Level, rubles рублям	Paid/ Sum, \$	Paid/Sum, ruble	
1. Kamchatka Krai	\$ 0	0,00	Payment is suspended		
2. Krasnoyarsk Krai	\$ 25 000	1 582 500,00	\$ 25 000	1 582 500	
3. Magadan Oblast	\$ 5 000	316 500,00	\$ 5 000	316 500,00	
4. Nenets AO	\$ 5 000	316 500,00	Payment is suspended		
5. Primorsky Krai	\$ 20 000	1 266 000,00	\$ 20 000	1 266 000,00	
6. Sakha Republic (Yakutia)	\$ 25 000	1 582 500,00	\$ 25 000	1 582 500,00	Office, equipment , communic

					ation
7. Khanty-Mansiysk AO	\$ 22 500	1 463 823,00	\$ 22 500*	1 463 823,00	
8. Chukotka AO	\$ 5 000	316 500,00	\$ 5 000	316 500,00	
9. Yamalo-Nenets AO	\$ 0	0,00	Payment is suspended		
10. Akureyri (Iceland)	\$ 5 000	316 500,00	\$ 4 950	298 543,10	
11. Gangwon Province	\$ 22 500	1 424 250,00	\$ 22 500	1 407 323,25	
12. Alaska	\$ 20 000	1 266 000,00	\$ 10 979	657 599,28	
13. Lapland	\$ 5 000	316 500,00	\$ 5 000	316 087,00	
GRAND TOTAL, on member-regions	\$ 160 000	10 128 000	\$ 145 929	9 207 375,63	

*Payment have been made by current USD rate

Business Partners Fees-2016 r.	Level of Fee	Total Sum	In rubles	Paid/Sum
1. Clean Water LLC, Sakha Republic (Yakutia)	\$ 1 000	\$ 1 000	63 300	64 802.56
2. Arigote LLC, Sakha Republic (Yakutia)	Взаимозачет			0
3. Tirekh Agricultural Co-operative, Sakha Republic (Yakutia)	\$ 1 000	\$ 1 000	63 300	0
4. SuluS LLC, Saint Petersburg, Russia	\$ 1 000	\$ 1 000	63 300	79 114,4
5 Hokkaido International Exchange and Cooperation Center, Japan	\$ 1 000	\$ 1 000	63 300	64 960,70
6. Orsa Gronklitt Predator Center, Sweden	\$ 1 000	\$ 1 000	63 300	0
7. Institute of the North, Alaska	Взаимозачет			0
8. Lapland Chamber of Commerce, Finland	\$ 1 000	\$ 1 000	63 300	62 585,23
9. Cluster Polaire Français, France	Взаимозачет			0
10. Alaska Native Heritage Center, Alaska, USA	Взаимозачет			0
11. The Northern Forum Academy	\$ 1 000	\$ 1 000	63 300	0
12. SaNoKi Peasant Farm Enterprise	\$ 1 000	\$ 1 000	63 300	0

TOTAL on Business-Partners	\$ 8 000	\$ 8 000	506 400,00	271 462,89
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Intangible Incomes

Government of the Republic of Sakha (Yakutia) - Department of External Relations	Office premises, equipment, communications (telephone, fax, Internet)
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Cash outflow from the cash book for January-December 2016

№	Item of Expenses	As planned, rubles	Actual, rubles.
1	Wage Fund (incl. Income tax), including	4 367 700-00	4 296 025-96
	Executive Director	1 709 100-00	1 851 525-00
	Deputy Executive Director	1 012 800-00	967 335-48
	Chief Specialist	696 300-00	682 954 -03
	Specialist	569 700-00	382 761-45
	Accountant (part-time)	379 800-00	411 450-00
2	Charging to the wage fund (30.2%)	1 319 045-40	1 293 479,84
3	Travel Expenses	1 297 650-00	1 481 358-00
4	Support of Northern Forum Projects	3 338 442-00	668 226-87
5	Other expenses	229 272-60	229 272-60
6	Bank Commission for currency conversion	63 300-00	32 693-71
7	Bank Account Maintenance fee	18 990-00	43 210-35
	GRAND TOTAL	10 634 400-00	8 044 267-33

The balance of cash as of 01.01.2016 – 622 498,37 rubles

Total Received January-December 2016 - 9 478 838,52 rubles

The Balance of cash as of 01.01.2017 – 2 057 069,56 rubles

7.3 2017 Budget

TOTAL EXPECTED INCOME:

Under a new graduation of membership fees, taking into account new members:
\$251 100

Section 1. Expected Revenues in 2017

* Forecast of the Ministry of Economic Development of the Russian Federation at the ruble exchange rate for 2017 is 63.1 rubles per US dollar

63,10 ₺

Russian regions pay membership fees at the rate of 63.1 on the basis of the Forecast of the Social and Economic Development of the Russian Federation for 2016 and for the Planning Period 2017 and 2018

Balance Currency:	\$251100		
MEMBERSHIP DUES	PLAN		
REGIONS	USD	Russian Rubles	COMMENTS
Russian Federation			
1. Kamchatka Krai	\$7 500	473 250 ₺	
2. Krasnoyarsk Krai	\$25 000	1 577 500 ₺	
3. Magadan Oblast	\$5 000	315 500 ₺	
4. Nenets AO	\$5 000	315 500 ₺	
5. Primorsky Krai	\$20 000	1 262 000 ₺	
6. Sakha Republic (Yakutia)	\$25 000	1 577 500 ₺	
7. Khanty-Mansiysk AO - Ugra	\$22 500	1 419 750 ₺	
8. Chukotka AO	\$5 000	315 500 ₺	
9. Yamalo-Nenets AO	\$12 500	788 750 ₺	
Foreign			
10. Akureyri (Iceland)	\$5 000	315 500 ₺	
11. Gangwon (Republic of Korea)	\$22 500	1 419 750 ₺	
12. Alaska	\$20 000	1 262 000 ₺	
13. Lapland	\$5 000	315 500 ₺	
Business Partners*	\$6 000	378 600 ₺	
Expected Income			
14. Arkhangelsk Oblast	\$15 000	946 500 ₺	
15. Khabarovsk Krai	\$17 500	1 104 250 ₺	
Balance Leftover from 2016			
	\$32 600,15	2 057 069,5	
GRAND TOTAL	\$251 100,15	15 844 419,5 ₺	

Intangible Incomes:

Government of the Republic of Sakha (Yakutia) - Department of External Relations	Office premises, equipment, communications (telephone, fax, Internet)
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* Appendix to the section "Business Partners"

BUSINESS PARTNERS	TOTAL	COMMENTS
Pure Water LLC, Sakha Republic (Yakutia)	\$1,000	
Orsa Grönklitt, Sweden	\$1,000	
Institute of the North, Alaska, USA		Offsetting
Alaska Native Heritage Center, USA		Offsetting
Lapland Chamber of Commerce, Finland	\$1,000	
Hokkaido International Exchange and Cooperation Center, Japan	\$1,000	
Northern Forum Academy contribution		Offsetting
Cluster Polaire Français, France		Offsetting
SuluS LLC	\$1,000	
Energy-Saving Technologies LLC	\$1,000	
Grand Total	\$6,000	

The budget will be adjusted in accordance with member/business partner composition of the Northern Forum.

Section 2. Expenditures for 2017

During the first half of 2017, the Secretariat was financed by the remaining balance from 2016, as most members of the Northern Forum were able to pay membership fees only in the second half of the year. Currently, the staff of the Secretariat consists of the executive director, deputy executive director, chief specialist, specialist and accountant in combination.

In addition to salary, the following items of expenditure are included in the budget of the Secretariat:

1. In order to ensure the social protection of the Secretariat staff, all necessary contributions to the Pension Fund and the Social Insurance Fund have been added to the wage fund.
2. In accordance with the legislation of the Russian Federation and the Labor Code of the Russian Federation, payment for travel on a leave basis every two years for employees in Sakha Republic (Yakutia) is provided.
3. Travel expenses for presentation of the Northern Forum at meetings of the Arctic Council and possible participation in international events on Arctic issues are included.
4. The budget for 2017 additionally provides funds for working groups chairs' meeting in June in Khanty-Mansiysk and the General Assembly in November in Krasnoyarsk.
5. The item "Other expenses" means payment of unforeseen expenses. For example, payment for delivery of correspondence, documents by express mail, small additional office equipment, etc.
6. Due to the fact that all financial transactions in the territory of the Russian Federation are carried out in rubles, membership fees from foreign members transferred into the currency accounts of the Northern Forum Academy will be converted into rubles. The bank charges a commission for conversion on average at a rate of 0.5% of the amount to be converted. Also, the bank charges a

commission for servicing the accounts of the Academy, for withdrawing cash, for providing various certificates, etc.

Expenditures

№	Item of Expenses	Russian Rubles	
		As planned	Actual
1	Wage fund (per year, including 13% income tax)	4 726 190,00 ₺	4 726 190,00 ₺
2	Charging to the wage fund (30.2%)	1 427 309,38 ₺	1 427 309,38 ₺
3	Travel on vacation	350 205,00	350 205,00₺
3	Travel Expenses	1 293 550,00 ₺	1 293 550,00 ₺
4	Northern Forum Projects' Support	6 222 186,88	00,00
5	Meeting in Khanty-Mansiysk	504 800,00	504 800,00
6	Holding the General Assembly	1 009 600,00	00,00
7	Other Expenses	228 548,20 ₺	228 548,20 ₺
8	Bank Commission for Currency Conversions	63 100,00 ₺	63 100,00 ₺
9	Bank Account Maintenance Fee	18 930,00 ₺	18 930,00 ₺
10	Office room repairs, wardrobe compartment*		124 000,00 ₺
	Telephone, Internet*		38 685,01
	BCEFO	15 844 419,5 ₺	8 775 317, 59

- *Unplanned expenses due to moving into other office rooms*

8. PROPOSALS ON NOVEMBER 2015- MARCH 2018 REPORT

On organization's activities:

- To intensify the new NF member attraction efforts, including Greenland, Scandinavia and territories of Canada.
- To intensify the Northern Forum project activities improvement efforts

- To strengthen the Northern Forum's involvement in the activities of other international organizations: the Arctic Economic Council, the Barents Euro-Arctic Council and others.
- To examine the possibility of participation of the Northern Forum member-regions' municipalities in the Arctic Mayors Forum.
- Support the project proposal of the Ministry of Environment of Finland in SDWG ZERO ARCTIC for construction in the Arctic and actively involve the regions in the implementation of this initiative.

On participation in the Arctic Council:

- To develop the Northern Forum's policy for participation in the Arctic Council
 - To create a regular data collection mechanism on the NF member regions' proposals and information on topical issues, which are discussed in the Arctic Council. Thus we will be able to create a communication channel and gradually synchronize our activities with the activities of the Arctic Council, as well as to show the participants of the Arctic Council that we can contribute to the debate on Sustainable Development of the High North
 - To strengthen the Northern Forum member regions' involvement in the Arctic Council projects
 - To keep the Northern Forum member region officials fully informed about projects and general work of the Arctic Council by providing Russian translations and distributing information from the Arctic Council
 - To create an effective mechanism of regional government participation in the international Arctic cooperation and strengthening the regions' role in the Arctic Council.
 - To continue the promotion of "Human in the Arctic" project application and the involvement of partners from other Arctic countries in order to 90 days before the next SDWG meeting to submit for approval as a project of the Arctic Council
 - Urge the Northern Forum member regions to take part, if possible, in the following projects of the Arctic Council:
- SDWG EALLU Project (EALLU: Arctic Indigenous Youth, Climate Change and Food Culture)

- Arctic Adaptation Exchange Portal
- Arctic Energy Summit
- Arctic Remote Energy Networks Academy (ARENA)
- Assessing, Monitoring and Promoting Arctic Indigenous Languages
- The Arctic as a Food Producing Region
- Arctic Renewable Energy Atlas (AREA)
- Arctic Children – Preschool Education.
- Improving Health in Arctic Communities through Safe and Affordable Access to Household Running Water and Sewer: Water, Sanitation and Health (WASH)
- Circumpolar Local Environmental Observer Network (CLEO)
- A new report on the Arctic Freshwater System in a Changing Climate
- The Arctic Invasive Alien Species (ARIAS) Strategy and Action Plan
- Enhanced interaction on Search and Rescue (SAR) in the Arctic
- Efforts to support a pan-Arctic network of marine protected areas (MPAs)
- Capacity-building and facilitating Arctic regional leaders and communities to develop renewable power micro-grids.