PROGRAM

II International Scientific and Practical Conference

«PROBLEMS OF HEALTH MAINTENANCE AND SANITARY-EPIDEMIOLOGICAL WELLBEING PROVISIION OF ARCTIC POPULATION»

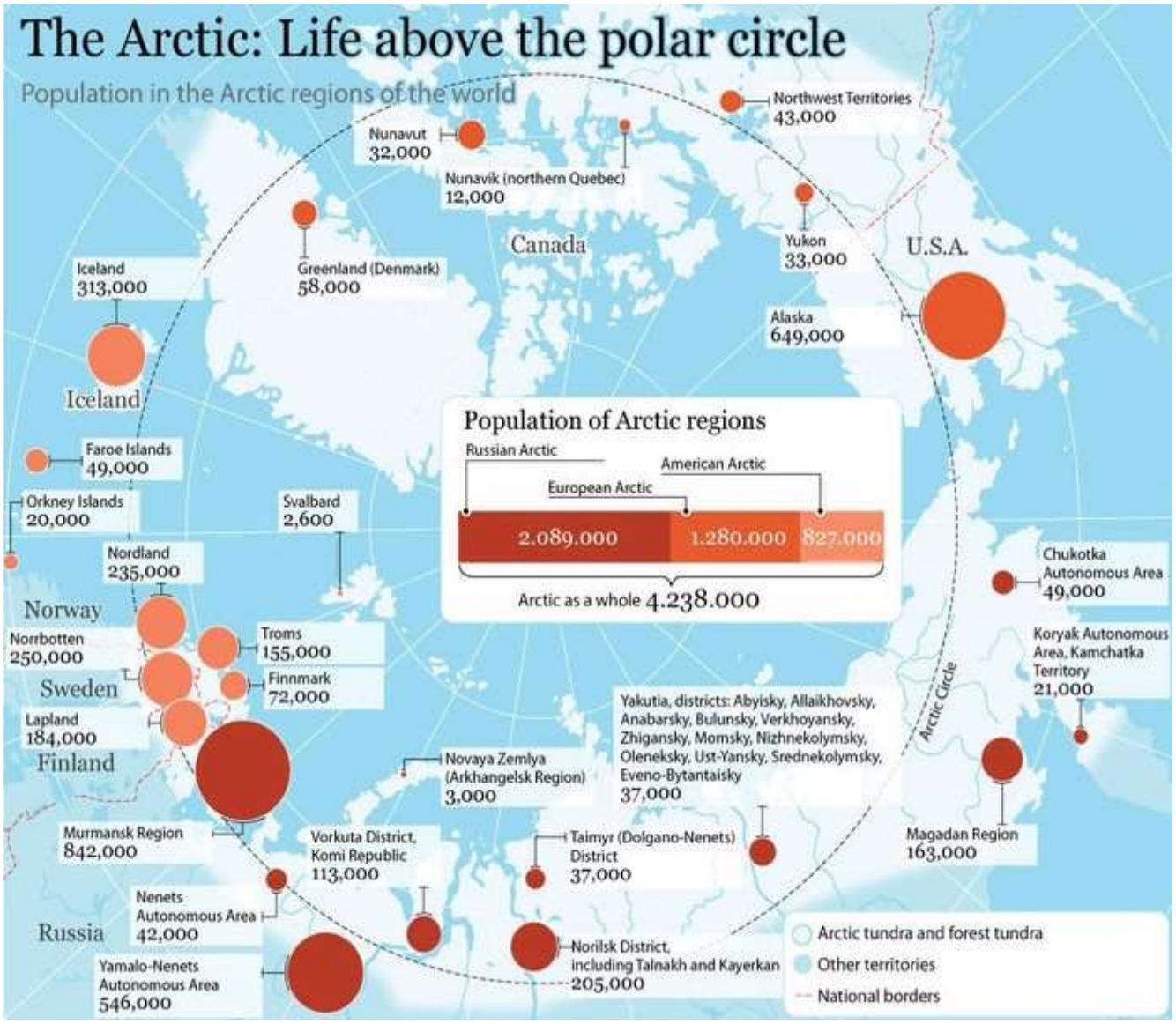
November 13-15-th, 2019,

St.Petersburg

Conference organizers: Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing

Federal budget scientific institution "North-West Public Health Research Center", Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing

Conference venue: ***10/118 Ligovsky Prospect, Hotel "Oktyabrskaya" (Citytel Oktiabrskaya Hotel), St. Petersburg.***



First day, Wednesday, November 13, 2019

Saint-Petersburg, 10/118 Ligovskii avenue, "Oktyabr'skaya" hotel, Grand conference hall, 2 floor

9:30 – 10:00	Registration of conference participants
Moderators: ***Gorbanev S.A****., M.D., North-West Public Health Research Center, Saint-Petersburg, Director.* ***Jon Øyvind Odland,*** *Professor,* Norwegian University of Science and Technology (NTNU), Trondheim, Norway	
10:00 – 10:10	**Grand opening of the conference** **Welcoming address to the conference participants** **Popova Anna Yur'evna**, M.D., Professor**,** Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing, Moscow, Head.
10:10 – 10:30	**Gorbanev Sergei Anatol'evich** ***Welcoming address to the conference participants*** ***On Major areas of scientific activities of the North-West Public Health Research Center, Rospotrebnadzor, including those related to the research of RF Arctic Zone*** M.D., Director, North-West Public Health Research Center, Saint-Petersburg,
10:30 – 10:45	**Rolf Rødven** ***Major areas of activities and outlook for the future of Arctic Monitoring and Assessment Program (AMAP)*** AMAP Executive Secretary
10:45 – 11:05	**Jon Øyvind Odland** ***Issues of Population Health Management and Maintaining in Circumpolar Countries*** Professor, NTNU, Trondheim, Norway
11:05 – 11:25	**Voevoda Mikhail Ivanovich** ***Problems of Arctic medicine and the role of international cooperation in their solution*** M.D., Member of RAS, Professor, Interim Director, FSBSI"Federal Research Center for Basic and Translational Medicine", Novosibirsk
11:25 – 11:45	**Shpektor Igor' Leonidovich** ***Features of housing and communal services organization and ecology in the Arctic*** Chairman of the Commission of Public Chamber of Russian Federation for Housing, Construction and Roads; President of the Union of the cities of the Arctic and the Far North, Moscow
11:45 – 12:00	**Manyakina Vera Anatol'evna** ***Organization of activities of St. Petersburg Committee for Arctic Affairs in the field of promoting the development of the preservation of the health of indigenous peoples of the North*** Senior Expert of the Department of Projects in the Field of Social Programs and Relations with Indigenous Minorities of the North of St. Petersburg Committee for Arctic Affairs, St.-Petersburg
12:00 – 12:30 Coffee break	

SESSION «ENVIRONMENTAL CONTAMINANTS AND POPULATION HEALTH IN ARCTIC»	
Moderators: ***Dudarev A.A****., M.D., Chief researcher, North-West Public Health Research Center, Saint-Petersburg, Department of Human Environment and Population Health Studies in RF Arctic Zone, Head;* ***Cheryl Khoury,*** *Health Canada, Section Head, Targeted Epidemiology and Biomonitoring Studies, Canada Ottawa*	
12:30 - 12:50	**Dudarev Aleksei Anatol'evich** ***Environmental contaminants in local food of indigenous coastal Chukotka residents*** M.D., Chief researcher, North-West Public Health Research Center, Saint-Petersburg, Department of Human Environment and Population Health Studies in RF Arctic Zone, Head
12:50 – 13:10	**Cheryl Khoury** ***Human Biomonitoring and collaboration in Canada's North: the northern contaminants program*** Health Canada, Section Head, Targeted Epidemiology and Biomonitoring Studies, Canada
13:10 – 13:30	**Khaled Abass** ***Persistent organic pollutants and metals in Arctic human biological matrices*** PhD, ERT, Arctic Health, University of Oulu, Finland
13:30 – 13:50	**Maria Wennberg** ***Time trends in human exposure to lead and cadmium in northern Sweden*** Department of Public Health, Umeå University, Sweden
13:50 – 14:10	**Pal Weihe** ***Health effects associated with the measured levels of contaminants in the Arctic*** Head of Department, Department of Occupational Medicine and Public Health, Faroe Islands
14:10 – 15:00 **LUNCH BREAK**	
15:00 – 15:20	**Yngvar Thomassen** ***Environmental and human exposure assessment to persistent environmental pollutants in the Nenets region of Arctic Russia*** Research Director, Department of Chemical and Biological Work Environment, National Institute of Occupational Health, Oslo, Norway
15:20 – 15:40	**Eva Kruemmel** ***The Inuit Circumpolar Council's activities on contaminants in the Arctic*** Independent consultant, Inuit Circumpolar Council, Canada
SESSION «ATMOSPHERIC POLLUTION IN ARCTIC»	
Moderators: **Novikova Irina Igorevna**, *M.D., Professor, FBRIS "Novosibirsk Scientific Research Institute of Hygiene", Rospotrebnadzor***,** *Novosibirsk*	
15:40 – 16:00	**Novikova Irina Igorevna** ***Информационная значимость применения методики оценки загрязнения атмосферного воздуха взвешенными веществами и сажей по их осадку в снежном*** ***Informational significance of application of procedure for assessment of atmospheric air pollution by suspended particles and soot according to their precipitation in the snow cover in conditions of Arctic territories*** M.D., Professor, Director, FBRIS "Novosibirsk Scientific Research Institute of Hygiene", Rospotrebnadzor**,** Novosibirsk

16:00 – 16:20	**Saltykova Marina Mikhailovna** ***Synergism of the effects of air pollution and severe climatic conditions on public health*** Dr. Sci. Biol., FSBI "Federal Center for Strategic Planning and Biomedical Health Risk Management", Ministry of Health of Russian Federation, Moscow. Laboratory of Environmental Physiology, Bioclimatology and Arctic Medicine, Head.
16:20 – 16:40	**Mashkovich Konstantin Igorevich** ***Sanitary and hygienic aspects of transition of RFArctic zone t enterprises to technological regulation and permanent emission monitoring (by the example of the Polar Division of "Norilsk Nikel" MMC)*** Cand.Sci. "Norilsk Nikel" MMC, Moscow, senior manager
18:00 **CONFERENCE DINNER**	

Second day, Thursday, November 14, 2019

Saint-Petersburg, 10/118 Ligovskii avenue, "Oktyabr'skaya" hotel, Grand conference hall, 2 floor

SESSION: "INFECTIOUS DISEASES IN ARCTIC UNDER CLIMATE CHANGING CONDITIONS"	
Moderators: ***Kraeva Lyudmila Aleksandrovna,*** FBRIS "St. Petersburg Research Institute of Epidemiology and Microbiology named after Pasteur », Rospotrebnadzor, St.-Petersburg, Medical Bacteriology Laboratory, Head. ***Chulanov Vladimir Petrovich,*** FBRIS"Central Scientific Research Institute of Epidemiology", Rospotrebnadzor, Moscow, Viral hepatitis laboratory, Head	
10:00 – 10:20	**Arja Rautio** ***One Arctic – One Health*** VP Research UArctic, Professor (Arctic Research), Thule Institute, University of Oulu
10:20 – 10:40	**Revich Boris Aleksandrovich** ***Indicators of temperature comfort in assessing climate-dependent mortality in Arctic cities*** M.D., Professor, Chief researcher, Institute of Economic Forecasting RAS, Moscow, Head of Laboratory
10:40 – 11:00	**Evengard Birgitta** ***Climate change and the need for harmonisation of infectious disease data*** Department of Clinical Microbiology, Umeå University, Sweden
11:00 – 11:20	**Kraeva Lyudmila Aleksandrovna[1,2]** **Panin A.L.[1], Goncharov A.E.[4], Teshebaev Sh.B.[5], Vlasov D.Yu.[3], Platonova A.V.[6], Bogumil'chik E.A.[1], Kokorina G.I..[1], Kurova N.N.[1], Kunilova E.S. [1], Khamdulaeva G.N.[1], VoskresenskayaE.A.[1], Totolyan A.A.[1]** ***Microbiological monitoring as an instrument for infectious disease prevention in realizing the program for further development of the Russian Arctic*** M.D., FBRIS "St. Petersburg Research Institute of Epidemiology and Microbiology named after Pasteur » [1], Rospotrebnadzor, St.-Petersburg, Medical Bacteriology Laboratory, Head. Military Medical Academy named after S.M. Kirov", RF Ministry of Defense [2], St.-Petersburg Saint-Petersburg State University[3] FSBEI North-West State Medical University named after I.I. Mechnikov [4]

	FSBI "Scientific Research Institute of Arctic and Antarctic[5] Saint-Petersburg State Technological University[6]
11:20 – 11:40	**Chulanov Vladimir Petrovich** ***Epidemiological peculiarities of viral hepatitis in Russian Arctic*** M.D., FBIS "Central Research Institute of Epidemiology, Rospotrebnadzor, Moscow, Laboratory of Viral hepatitis, Head.
11:40 – 12:00	**Panin Aleksandr Leonidovich [1,2]** **Vlasov D.Yu.[3], Kraeva L.A.[2,4], Goncharov E.Yu.[5,6], Sboichakov V.B.[4], Nadein K.A.[7], Levando K.K. [1], Teshebaev Sh.B.[1], Belov A.B.[4]** ***Potential danger of cyanobacteria in water sources of polar regions*** FSBI "Arctic and Antarctic Research Institute", St.-Petersburg r[1] FSBI "St. Petersburg Research Institute of Epidemiology and Microbiology named after Pasteur [1], Rospotrebnadzor, St.-Petersburg,[2] St.-Petersburg State University[3] Military Medical Academy named after S.M. Kirov", RF Ministry of Defense [4] FSBEI North-West State Medical University named after I.I. Mechnikov [5] Institute of Experimental Medicine[6] All-Russian Scientific Research Veterinary Institute of Poultry - branch of RAS) [7]
12:00 – 12:30 Coffee-break	
12:30 12:50	**Åshild Andreassen** ***Ticks- and mosquito-borne pathogens in the Barentsregion – are they affected by climatic changes?*** Scientist Department of Virology, Norwegian Institute of Public Health, Norway
12:50 – 13:10	**Zagdyn Zinaida Moiseevna** **Socially significant infections among indigenous peoples of the North** Candidate Med.Sci., FSBI "Saint-Petersburg Research Institute of Phtisiopulmonology" RF Ministry of Health, St.-Petersburg,, Senior researcher
SESSION «HYGIENE AND OCCUPATIONAL MEDICINE IN ARCTIC"	
Moderators: ***Chashchin V.P.*** *North-West Public Health Research Center, St.-Petersburg, Assistant Director for Innovation and Research, M.D., Honored Scientist,* ***Dag Ellingsen,*** *National Institute of Occupational Health, Oslo, Norway,* Department of Chemical and Biological Work Environment, Department Director	
13:10 – 13:30	**Dag Ellingsen** ***Exposure to quartz, pulmonary functions and biological effects among rock drillers*** National Institute of Occupational Health, Oslo, Norway, Department of Chemical and Biological Work Environment, Department Director
13:30 – 14:00	**Ustinova Ol'ga Yur'evna** ***Scientific grounds for methods of health disturbance prevention among workers employed in underground chromium ore mining enterprises*** M.D., assistant professor, FBIS Federal Scientific Center for Medical and Preventive Population Health Risk Management Technologies ", Rospotrebnadzor, Perm', Vice-Director in clinical work

14:00 – 15:00 LUNCH BREAK	
15:00 – 15:20	**Syurin Sergei Alekseevich** ***Occupational pathology peculiarities at RF Arctic Zone enterprises*** M.D., North-West Public Health Research Center, Rospotrebnadzor, St.-Petersburg
15:20 – 15:40	**Vlasova Elena Mikhailovna** ***Problems of health maintaining of workers employed in underground mining in the context of increasing retirement age*** Candidate of Med.Sci., FSBI: "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies", Rospotrebnadzor, Perm', Head of Occupational Pathology Center
15:40 – 16:00	**Talykova Lyudmila Vasil'evna** ***Dynamics of disease incidence of workers in the mining and industrial complex of Murmansk region (Arctic zone)*** M.D., North-West Public Health Research Center, Kirovsk Branch, Rospotrebnadzor, Kirovsk, Chief researcher.
16:00 – 16:20	**Eva Kramvik** **Respirator fit testing** University Hospital of North Norway Department of Occupational and Environmental Medicine, Occupational hygienist,
16:20 – 16:40	**Nekrasova Marina Vladimirovna** ***Адаптивный иммунный ответ у работников СЦБК г. Архангельска*** ***Adaptive immune response in workers of the Solombala pulp and paper mill in Arkhangelsk*** FSBRI "Federal Research Center for Comprehensive Study of the Arctic" named after Academician N.P. Laverov", Russian Academy of Sciences, Arkhangel'sk, Laboratory of physiology of immune competent cells, researcher
16:40 – 17:00	**Nikanov Aleksandr Nikolaevich** ***Occupational disease incidence in Murmansk region, 1991 – 2018*** M.D., North-West Public Health Research Center, Rospotrebnadzor, Kirovsk Branch, Director

Third day, Friday, November 15, 2019

Saint-Petersburg, 10/118 Ligovskii avenue, "Oktyabr'skaya" hotel, Grand conference hall, 2 floor

SESSION «IMPROVEMENT OF MONITORING HUMAN ENVIRONMENT AND POPULATION HEALTH IN ARCTIC»	
Moderators: ***Buzinov Roman Vyacheslavovich****, M.D., Assistant professor, Office of Rospotrebnadzor in Arkhangel'sk region, , Head****,*** ***Novikova Yuliya Aleksandrovna****, North-West Public Health Research Center, Saint-Petersburg, Rospotrebnadzor, Department of Analysis, Assessment and Prediction, Head*	
10:00 – 10:20	**Buzinov Roman Vyacheslavovich [1]** **Unguryanu Tat'yana Nikolaevna[2]** ***Медико-демографические аспекты состояния здоровья населения в Арктике*** ***Medical and geographic aspects of population health status in Arctic*** *M.D., Assistant professor, Office of Rospotrebnadzor in Arkhangel'sk region, Head* [1] *M.D., Assistant professor, Office of Rospotrebnadzor in Arkhangel'sk region, chief expert*[2]
10:20 – 10:40	**Borisova Natal'ya Borisovna** ***Problems of ensuring sanitary and epidemiological wellbeing of population in the Arctic zone of the Sakha Republic (Yakutia)*** *Office of Rospotrebnadzor in Sakha (Yakutia),* Deputy head
10:40 – 11:00	**Tikhonova Irina Viktorovna** ***On the sanitary and epidemiological situation in the Arctic zone of the Krasnoyarsk Territory*** Office of Rospotrebnadzor in Krasnoyarsk Territory, Department of Social and hygienic monitoring, Head
11:00 – 11:20	**Omel'chuk Vasilii Vladimirovich** ***Radiation-hygienic characteristics of global fallout of radionuclides in Arctic regions of Russia*** M.D., Professor, FBRI "Scientific Research Institute of Radiation Hygiene named after Professor P.V. Ramzaev, St.-Petersburg, Rospotrebnadzor; FSBEI of HE "North-Western State Medical University named after I.I. Mechnikov »Ministry of Health of Russia, Academic secretary.
11:20 – 11:40	**Novikova Yuliya Aleksandrovna** ***Problems of providing RF Arctic zone population with high-quality drinking water*** North-West Public Health Research Center, Saint-Petersburg, Rospotrebnadzor, Department of Analysis, Assessment and Prediction, Head
11:40 – 12:00	**Tikhonova Nadezhda Andreevna** Analysis of information on socio-economic condition of RF Arctic zone territories North-West Public Health Research Center, Saint-Petersburg, Rospotrebnadzor,, junior researcher
12:00 – 12:20	**Kovshov Aleksandr Aleksandrovich** ***Analysis of infectious and parasitic disease incidence in the Arctic zone of Russian Federation*** North-West Public Health Research Center, Saint-Petersburg, Rospotrebnadzor,, junior researcher
12:20 – 12:40	**Fedorov Vladimir Nikolaevich** **«"Geoportal" as a tool for analyzing the sanitary-epidemiological well-being of the population of the Arctic zone of the Russian Federation"** North-West Public Health Research Center, Saint-Petersburg, Rospotrebnadzor,, researcher
12:40 – 13:00	***Summing up the conference in the Grand Conference Hall***
	13:00 – 13:30 **Coffee-break**

15:30	**«Russian Museum»**

Third day, Friday, November 15, 2019

Saint-Petersburg, 10/118 Ligovskii avenue, "Oktyabr'skaya" hotel, Grand conference hall, 2 floor

SESSION «HEALTH CARE ORGANIZATION AND NUTRITION CHALLENGES IN ARCTIC»	
Moderators: ***Mosyagin Igor' Gennad'evich***, M.D., *Professor*, Main Command of the Navy of Russian Federation, Medical Service, St.-Petersburg Head ***Kim Elena Borisovna***, M.D., assistant professor, FSBRI"Federal Research Center for Basic and Translational Medicine", Novosibirsk, Chief researcher, Head of the Group	
10:00 – 10:15	**Mosyagin Igor' Gennad'evich** ***Maritime health care in the Arctic: status and major trends of development*** M.D., Professor, Main Command of the Navy of Russian Federation, Medical Service, St.-Petersburg Head
10:15 – 10:30	**Sviridov Sergei Anatol'evich** ***Health status of Nenets Autonomous Area population and disease prevention*** Department of Health, Labor and Social Protection of the Nenets Autonomous Area, Head
10:30 – 10:45	**Murashov Aleksandr Grigor'evich** ***Maintaining human health and providing long-term work of experts in low temperature conditions in the Arctic zone by using innovative local heating instruments based on metallized conductive filaments*** Interregional public institution "Institute of Engineering Physics" Serpukhov, vice-president
10:45 – 11:00	**Naimushina Alla Gennad'evna** ***"Region- Health" Project*** M.D., assistant professor, Professor, FSBEI of HE "Tyumen Industrial University".
11:00 – 11:15	**Tarbeeva Ol/ga Nikolaevna** ***Experience in reducing infant mortality in a low population density region (case study of the Komi Republic)*** State Institution "Republican Children's Clinical Hospital", Deputy Chief physician, chief part-time expert pediatrician of the Ministry of Health of the Komi Republic
11:15 – 11:30	**Kim Lena Borisovna** ***Northern tissue hypoxia and its role in the pathogenesis of age-related diseases*** M.D., Assistant professor FSBSI"Federal Research Center for Basic and Translational Medicine", Novosibirsk, Chief researcher, Head of the group
11:30 – 11:45	**Popov Vladimir Grigor'evich** ***Formation of the Arctic food industry based on health-saving technologies*** Doctor of Engineering, Assistant professor, Tyumen Industrial University, Tyumen', Department of Commodity Science and Food Technology, Head

11:45 – 12:00	**Lebedeva Ul'yana Mikhailovna** ***Nutrition and health of population living in extreme conditions of Arctic and Subarctic*** Head of the Center for Clinical and Preventive Nutrition, Research Institute of Health of the North-Eastern Federal University named after M.K. Amosov; Chief Nutritionist of the Ministry of Health of Sakha Republic (Yakutia), Chairman of the Yakut Republican Society LLC Russian Union of Nutritionists, Dieticians and Food Industry experts
12:00 – 12:15	**Shepeleva Ol'ga Aleksandrovna [1]** **Degteva Galina Nikolaevna[2]** ***Nutrition status of schoolchildren of the Nenets Autonomous Region*** Candidate of Med.Sci., Assistant professor, FSBEI HE "Northern State Medical University" of the Ministry of Health of Russia [1], Arkhangelsk M.D., Professor, FSBEI HE "Northern State Medical University" of the Ministry of Health of Russia [2], Arkhangelsk
12:15 – 12:30	**Subbotina Tat'yana Ivanovna** ***Role of adequate food rationing in maintaining and enhancing health of military personnel serving in the Arctic*** M.D., Military Medical Academy named after S.M. Kirov, St.-Petersburg, Research Center, senior researcher
12:30 – 12:45	**Krivtsov Andrei Vladimirovich** ***The effect of bioelement status on the functional state of the body of Navy military personnel serving in the Arctic*** Military Medical Academy named after S.M. Kirov, St.-Petersburg, Research Center, Research Laboratory, Head
12:45 – 13:00	**Andreev Vladimir Pavlovich** ***Military-medical characteristics of military personnel nutrition and conditions of their occupational activities in the Arctic zone of Russian Federation*** Candidate Biol.Sci., Assistant Professor, Military Medical Academy named after S.M. Kirov, St.-Petersburg, Research Center, Senior researcher
	13:00 – 13:30 **Coffee break**
15:30	**«Russian Museum»**

POSTER PRESENTATIONS

1.	**Pushnikov Nikita Aleksandrovich** bachelor, Tyumen Industrial University, Tyumen	***The relationship of water hardness and human ecosphere in urban centers of the Arctic***
2	**Ann-Helen Olsen** Occupational hygienist, Department of Occupational and Environmental Medicine, University Hospital of North Norway	***Nitrous oxide exposure among dentists in Tromsø***
3	**Gerd Sissel Andorsen** Senior physician, Department of Occupational and Environmental Medicine, University Hospital of North Norway	***Occupational medicine in Northern Norway. Patients examined at the Department of Occupational and Environmental Health, University Hospital North Norway 2010-2018.***