

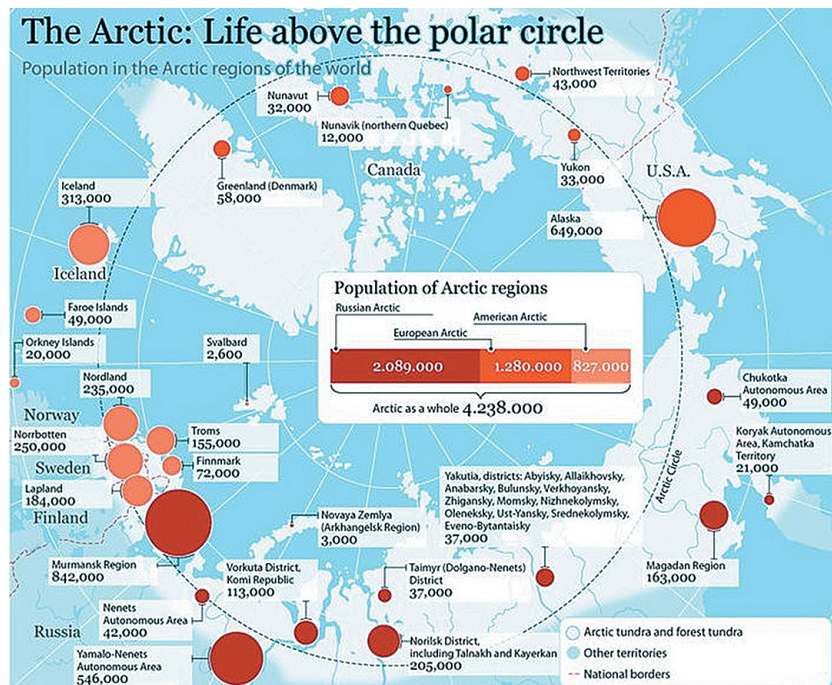
## CONFERENCE ORGANIZERS:

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:

**Gorbaney S. A.**, PhD, Dr. Med, North-West Public Health Research Center, St. Petersburg, Director,

**Jon Øyvind Odland**, Professor, Norwegian University of Science and Technology (NTNU), Trondheim, Norway

**10:00–** GRAND OPENING OF THE CONFERENCE

**10:10** Welcoming address to the conference participants

**Popova Anna Yur'evna**

PhD, Dr. Med, Professor, Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing, Moscow, Head

**10:10–** Gorbaney Sergei Anatol'evich

**10:30** 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*

PhD, Dr. Med, Director, North-West Public Health Research Center, St. Petersburg

**10:30–** Rolf Rødven

**10:45** Major areas of activities and outlook for the future of Arctic Monitoring and Assessment Program (AMAP)

AMAP Executive Secretary

**10:45–** Jon Øyvind Odland

**11:05** Issues of Population Health Management and Maintaining in Circumpolar Countries

Professor, NTNU, Trondheim, Norway

**11:05–** Voevoda Mikhail Ivanovich

**11:25** Problems of Arctic medicine and the role of international cooperation in their solution

PhD, Dr. Med, Member of RAS, Professor, Interim Director, FSBSI "Federal Research Center for Basic and Translational Medicine", Novosibirsk

**11:25–** Shpektor Igor' Leonidovich

**11:45** 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–** Manyakina Vera Anatol'evna

**12:00** 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.**, PhD, Dr. Med, Chief researcher, North-West Public Health Research Center, St. 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–** Dudarev Aleksei Anatol'evich

**12:50** Environmental contaminants in local food of indigenous coastal Chukotka residents

PhD, Dr. Med, Chief researcher, North-West Public Health Research Center, St. Petersburg, Department of Human Environment and Population Health Studies in RF Arctic Zone, Head

**12:50–** Cheryl Khoury

**13:10** Human Biomonitoring and collaboration in Canada's North: the northern contaminants program

Health Canada, Section Head, Targeted Epidemiology and Biomonitoring Studies, Canada

**13:10–** Khaled Abass

**13:30** Persistent organic pollutants and metals in Arctic human biological matrices

PhD, ERT, Arctic Health, University of Oulu, Finland

**13:30–** Maria Wennberg

**13:50** Time trends in human exposure to lead and cadmium in northern Sweden

Department of Public Health, Umeå University, Sweden

- 13:50– **Pal Weihe**  
 14:10 *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– **Yngvar Thomassen**  
 15:20 *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– **Eva Kruemmel**  
 15:40 *The Inuit Circumpolar Council's activities on contaminants in the Arctic*  
 Independent consultant, Inuit Circumpolar Council, Canada

### SESSION “ATMOSPHERIC POLLUTION IN ARCTIC”

#### Moderator:

**Novikova Irina Igorevna**, PhD, Dr. Med, Professor, FBRIS “Novosibirsk Scientific Research Institute of Hygiene”, Rospotrebnadzor, Novosibirsk

- 15:40– **Novikova Irina Igorevna**  
 16:00 *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*  
 PhD, Dr. Med, Professor, Director, FBRIS “Novosibirsk Scientific Research Institute of Hygiene”, Rospotrebnadzor, Novosibirsk
- 16:00– **Saltykova Marina Mikhailovna**  
 16:20 *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– **Mashkovich Konstantin Igorevich**  
 16:40 *Sanitary and hygienic aspects of transition of RF Arctic zone enterprises to technological regulation and permanent emission monitoring (by the example of the Polar Division of “Norilsk Nickel” MMC)*  
 Cand. Sci., “Norilsk Nickel” 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 “Saint-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– **Arja Rautio**  
 10:20 *One Arctic — One Health*  
 VP Research UArctic, Professor (Arctic Research), Thule Institute, University of Oulu
- 10:20– **Revich Boris Aleksandrovich**  
 10:40 *Indicators of temperature comfort in assessing climate-dependent mortality in Arctic cities*  
 PhD, Dr. Med, Professor, Chief researcher, Institute of Economic Forecasting RAS, Moscow, Head of Laboratory
- 10:40– **Birgitta Evengard**  
 11:00 *Climate change and the need for harmonisation of infectious disease data*  
 Department of Clinical Microbiology, Umeå University, Sweden
- 11:00– **Kraeva Lyudmila Aleksandrovna**<sup>1, 2, 3,</sup>  
 11:20 **Panin A. L.**<sup>2</sup>, **Goncharov A. E.**<sup>5</sup>, **Teshebaev Sh. B.**<sup>6</sup>, **Vlasov D. Yu.**<sup>4</sup>, **Platonova A. V.**<sup>7</sup>, **Bogumil'chik E. A.**<sup>2</sup>, **Kokorina G. I.**<sup>2</sup>, **Kurova N. N.**<sup>2</sup>, **Kunilova E. S.**<sup>2</sup>, **Khamdulaeva G. N.**<sup>2</sup>, **Voskresenskaya E. A.**<sup>2</sup>, **Totolyan A. A.**<sup>2</sup>  
*Microbiological monitoring as an instrument for infectious disease prevention in realizing the program for further development of the Russian Arctic*  
<sup>1</sup> PhD, Dr. Med, Medical Bacteriology Laboratory, Head  
<sup>2</sup> FBRIS “Saint-Petersburg Research Institute of Epidemiology and Microbiology named after Pasteur” Rospotrebnadzor, St. Petersburg,  
<sup>3</sup> Military Medical Academy named after S. M. Kirov, RF Ministry of Defense, St. Petersburg  
<sup>4</sup> Saint-Petersburg State University  
<sup>5</sup> FSBEI North-West State Medical University named after I. I. Mechnikov  
<sup>6</sup> FSBI “Scientific Research Institute of Arctic and Antarctic  
<sup>7</sup> Saint-Petersburg State Technological University

- 11:20– **Chulanov Vladimir Petrovich**  
 11:40 *Epidemiological peculiarities of viral hepatitis in Russian Arctic*  
 PhD, Dr. Med, FBIS “Central Research Institute of Epidemiology”,  
 Rospotrebnadzor, Moscow, Laboratory of Viral hepatitis, Head
- 11:40– **Panin Aleksandr Leonidovich**<sup>1, 2,</sup>  
 12:00 **Vlasov D. Yu.**<sup>3</sup>, **Kraeva L. A.**<sup>2, 4</sup>, **Goncharov E. Yu.**<sup>5, 6</sup>, **Sboichakov V. B.**<sup>4</sup>,  
**Nadein K. A.**<sup>7</sup>, **Levando K. K.**<sup>1</sup>, **Teshebaev Sh. B.**<sup>1</sup>, **Belov A. B.**<sup>4</sup>  
*Potential danger of cyanobacteria in water sources of polar regions*  
<sup>1</sup> FSBI “Arctic and Antarctic Research Institute”, St. Petersburg  
<sup>2</sup> FSBI “Saint-Petersburg Research Institute of Epidemiology and Microbiology  
 named after Pasteur”<sup>1</sup>, Rospotrebnadzor, St. Petersburg  
<sup>3</sup> Saint-Petersburg State University  
<sup>4</sup> Military Medical Academy named after S. M. Kirov, RF Ministry of Defense  
<sup>5</sup> FSBEI North-West State Medical University named after I. I. Mechnikov  
<sup>6</sup> Institute of Experimental Medicine  
<sup>7</sup> All-Russian Scientific Research Veterinary Institute of Poultry — branch of RAS)
- 12:00–12:30 Coffee break
- 12:30– **Åshild Andreassen**  
 12:50 *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– **Zagdyn Zinaida Moiseevna**  
 13:10 *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, PhD, Dr. Med, Honored  
 Scientist,

**Dag Ellingsen**, National Institute of Occupational Health, Oslo, Norway,  
 Department of Chemical and Biological Work Environment, Department  
 Director

- 13:10– **Dag Ellingsen**  
 13:30 *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– **Ustinova Ol'ga Yur'evna**  
 14:00 *Scientific grounds for methods of health disturbance prevention among  
 workers employed in underground chromium ore mining enterprises*  
 PhD, Dr. Med, 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– **Syurin Sergei Alekseevich**  
 15:20 *Occupational pathology peculiarities at RF Arctic Zone enterprises*  
 PhD, Dr. Med, North-West Public Health Research Center, Rospotrebnadzor,  
 St. Petersburg
- 15:20– **Vlasova Elena Mikhailovna**  
 15:40 *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– **Talykova Lyudmila Vasil'evna**  
 16:00 *Dynamics of disease incidence of workers in the mining and industrial complex  
 of Murmansk region (Arctic zone)*  
 PhD, Dr. Med, North-West Public Health Research Center, Kirovsk Branch,  
 Rospotrebnadzor, Kirovsk, Chief researcher
- 16:00– **Eva Kramvik**  
 16:20 *Respirator fit testing*  
 University Hospital of North Norway Department of Occupational  
 and Environmental Medicine, Occupational hygienist
- 16:20– **Nekrasova Marina Vladimirovna**  
 16:40 *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,  
 Arkhangelsk, Laboratory of physiology of immune competent cells, researcher
- 16:40– **Nikanov Aleksandr Nikolaevich**  
 17:00 *Occupational disease incidence in Murmansk region, 1991–2018*  
 PhD, Dr. Med, 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**, PhD, Dr. Med, Assistant professor,  
Office of Rospotrebnadzor in Arkhangel'sk region, Head

**Novikova Yuliya Aleksandrovna**, North-West Public Health Research Center,  
St. Petersburg, Rospotrebnadzor, Department of Analysis, Assessment and  
Prediction, Head

**10:00– Buzinov Roman Vyacheslavovich<sup>1</sup>,**

**10:20 Unguryanu Tat'yana Nikolaevna<sup>2</sup>**

*Medical and geographic aspects of population health status in Arctic*

<sup>1</sup> PhD, Dr. Med, Assistant professor, Office of Rospotrebnadzor in Arkhangel'sk  
region, Head

<sup>2</sup> PhD, Dr. Med, Assistant professor, Office of Rospotrebnadzor in Arkhangel'sk  
region, chief expert

**10:20– Borisova Natal'ya Borisovna**

**10:40** *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– Tikhonova Irina Viktorovna**

**11:00** *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– Omeľchuk Vasilii Vladimirovich**

**11:20** *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– Novikova Yuliya Aleksandrovna**

**11:40** *Problems of providing RF Arctic zone population with high-quality  
drinking water*

North-West Public Health Research Center, St. Petersburg,  
Rospotrebnadzor, Department of Analysis, Assessment and Prediction,  
Head

**11:40– Tikhonova Nadezhda Andreevna**

**12:00** *Analysis of information on socio-economic condition of RF Arctic zone  
territories*

North-West Public Health Research Center, St. Petersburg, Rospotrebnadzor,  
junior researcher

**12:00– Kovshov Aleksandr Aleksandrovich**

**12:20** *Analysis of infectious and parasitic disease incidence in the Arctic zone  
of Russian Federation*

North-West Public Health Research Center, St. Petersburg, Rospotrebnadzor,  
junior researcher

**12:20– Fedorov Vladimir Nikolaevich**

**12:40** *"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, St. 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**, PhD, Dr. Med, Professor, Main Command of the Navy of Russian Federation, Medical Service, St. Petersburg Head

**Kim Elena Borisovna**, PhD, Dr. Med, assistant professor, FSBI "Federal Research Center for Basic and Translational Medicine", Novosibirsk, Chief researcher, Head of the Group

- 10:00–** **Mosyagin Igor' Gennad'evich**  
**10:15** *Maritime health care in the Arctic: status and major trends of development*  
PhD, Dr. Med, Professor, Main Command of the Navy of Russian Federation, Medical Service, St. Petersburg Head
- 10:15–** **Sviridov Sergei Anatol'evich**  
**10:30** *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–** **Murashov Aleksandr Grigor'evich**  
**10:45** *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–** **Naimushina Alla Gennad'evna**  
**11:00** *"Region-Health" Project*  
PhD, Dr. Med, Assistant professor, Professor, FSBEI of HE "Tyumen Industrial University"
- 11:00–** **Tarbeeva Olga Nikolaevna**  
**11:15** *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–** **Kim Lena Borisovna**  
**11:30** *Northern tissue hypoxia and its role in the pathogenesis of age-related diseases*  
PhD, Dr. Med, Assistant professor FSBSI "Federal Research Center for Basic and Translational Medicine", Novosibirsk, Chief researcher, Head of the group
- 11:30–** **Popov Vladimir Grigor'evich**  
**11:45** *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–** **Lebedeva Ul'yana Mikhailovna**  
**12:00** *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–** **Shepeleva Ol'ga Aleksandrovna<sup>1</sup>,**  
**12:15** **Degteva Galina Nikolaevna<sup>2</sup>**  
*Nutrition status of schoolchildren of the Nenets Autonomous Region*  
<sup>1</sup> Candidate of Med. Sci., Assistant professor, FSBEI HE "Northern State Medical University" of the Ministry of Health of Russia, Arkhangelsk  
<sup>2</sup> PhD, Dr. Med, Professor, FSBEI HE "Northern State Medical University" of the Ministry of Health of Russia, Arkhangelsk
- 12:15–** **Subbotina Tat'yana Ivanovna**  
**12:30** *Role of adequate food rationing in maintaining and enhancing health of military personnel serving in the Arctic*  
PhD, Dr. Med, Military Medical Academy named after S. M. Kirov, St. Petersburg, Research Center, senior researcher
- 12:30–** **Krivtsov Andrei Vladimirovich**  
**12:45** *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– **Andreev Vladimir Pavlovich**

**13:00** *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**

*The relationship of water hardness and human ecosphere in urban centers of the Arctic*

Bachelor, Tyumen Industrial University, Tyumen

2 **Ann-Helen Olsen**

*Nitrous oxide exposure among dentists in Tromsø*

Occupational hygienist, Department of Occupational and Environmental Medicine, University Hospital of North Norway

3 **Gerd Sissel Andorsen**

*Occupational medicine in Northern Norway. Patients examined at the Department of Occupational and Environmental Health, University Hospital North Norway 2010–2018.*

Senior physician, Department of Occupational and Environmental Medicine, University Hospital of North Norway



# PROGRAM

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**II International Scientific and Practical Conference**

**“PROBLEMS OF HEALTH MAINTENANCE  
AND SANITARY-EPIDEMIOLOGICAL  
WELLBEING PROVISION  
OF ARCTIC POPULATION”**



**November 13–15, 2019  
St. Petersburg**