



**Program of the e-ASIA JRP Conference on
Climate Change and Natural Disasters**

| <i>Time</i> | <i>Event</i> |
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| Monday, August 12 | |
| 00:00-23:59 | Arrival and accommodation of the participants at FEFU Campus hotel |
| Tuesday, August 13 | |
| 09:30-10:00 | Registration |
| 10:00 | Opening ceremony Room: G512 |
| 10:00-10:05 | Welcome address: - Vladislav Panchenko, Academician RAS, RFBR Board Chairman |
| 10:05-10:10 | Welcome address: - Nikita Anisimov, President of Far Eastern Federal University |
| 10:10-10:15 | Welcome address: - Valentin Sergienko, Academician RAS, Vice President of Russian Academy of Sciences, President of Far Eastern Branch of Russian Academy of Sciences |
| 10:15-10:40 | e-ASIA Joint Research Program Masaki Sato Japan Science and Technology Agency (JST), Former Secretary-General of e-ASIA Joint Research Program |
| 10:40-11:00 | Role of University Networks in Building Resilience to Climate Change and Disaster Risk Reduction Ario Damar, Centre for Coastal and Marine Resources Studies (PKSPL IPB), Bogor Agricultural University (Institute Pertanian Bogor), Indonesia Johanna Diwa-Acallar, Partnerships in Environmental Management for the Seas of East Asia (PEMSEA), Philippines |
| 11:00-11:10 | Photo |
| 11:10-11:30 | Coffee-break |
| Section 1. Global Climate Change Impact Moderator: Seiya Nagao Room: G512 | |
| 11:30-11:50 | Possible Consequences of Global Warming for Russia and Other Countries of Asia-Pacific Region Sergey Govorushko Pacific Geographical Institute FEB RAS, Russia |

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| 11:50-12:10 | Arctic Permafrost Soil Hydrology and Snow Cover Depth Critically Determine CO ₂ and CH ₄ Emissions Martin Heimann Max-Planck-Institute for Biogeochemistry, Jena, Germany |
| 12:10-12:30 | Increase of Seasonal Amplitude of the Atmospheric CO ₂ – Permafrost Thawing Signal? Sergey Zimov North-East Scientific Station of Pacific Institute for Geography FEB RAS, Russia |
| 12:30-12:50 | Gas hydrates, Methane Fluxes and Seafloor Instability in the Sea of Okhotsk and Japan Sea Anatoly Obzhirov Pacific Oceanological Institute FEB RAS, Russia |
| 12:50-14:00 | Lunch |
| Section 1. Global Climate Change Impact Moderator: Viktor Bogatov Room: G512 | |
| 14:00-14:20 | Long-term Dynamics of the Extreme Meteorological Events in the Russian Primorye Yury Zhuravlev Federal Scientific Center for Biodiversity of Terrestrial Biota of East Asia FEB RAS, Russia |
| 14:20-14:40 | Extreme Temperature Events and Human Health Elena Grigorieva Institute for Complex Analysis of Regional Problems FEB RAS, Russia |
| 14:40-15:00 | How Meteorological and Climatic Conditions Influence the Formation of Surface Sediment Runoff in an Urban Environment in Spring? Andrian Seleznev Institute of Industrial Ecology of Ural Branch of RAS, Russia |
| 15:00-15:20 | Dangerous Trends in Ecologo-Parasitological Situation on the Southern Russian Far East Under Climate and Demographic Change Larisa Prozorova Federal Scientific Center for Biodiversity of Terrestrial Biota of East Asia FEB RAS, Russia |
| 15:20-15:40 | Coffee-break |
| Section 1. Global Climate Change Impact Moderator: Noriko Hasebe Room: G512 | |
| 15:40-16:00 | Proposal for Complex Study on the Gas Hydrates in the Asian Seas Renat Shakirov Pacific Oceanological Institute FEB RAS, Russia |
| 16:00-16:20 | Dangerous Consequences of Global Climate Change in the Amur River Basin Aleksi Makhinov Institute of Water and Ecological Problems FEB RAS, Russia |
| 16:20-16:40 | Gas Hydrates and Natural Gas Vents in the Sea of Okhotsk (Gasgeochemical Research) Natalia Sokolova |

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| | Pacific Oceanological Institute FEB RAS, Russia |
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| Tuesday, August 13 | |
| Section 2. Hazardous Natural Phenomena Moderator: Yury Kulchin Room: G601 | |
| 11:30-11:50 | Climate Change and the Risks of Flood Disasters in Asia: Crafting Adaptive and Just Institutions Jessie B. Manuta Fostering People's Education, Empowerment and Enterprise (FPE3), Philippines |
| 11:50-12:10 | The Role of a Catastrophic Tsunami in the Destruction of the Soil and Vegetation Cover in the Coastal Areas of the Bureya Reservoir Aleksei Makhinov Institute of Water and Ecological Problems FEB RAS, Russia |
| 12:10-12:30 | Climate Change and Natural Disasters in the Black Sea Region Alexander Polonsky Institute of Natural and Technical Systems, Russia |
| 12:30-12:50 | Extremely Hazardous Phenomena in the South of Russia in the Conditions of Climate Change Elena Voskresenskaya Institute of Natural and Technical Systems, Russia |
| 12:50-14:00 | Lunch |
| Section 2. Hazardous Natural Phenomena Moderator: Jessie B. Manuta Room: G601 | |
| 14:00-14:20 | Microseisms of the "Voice of the Sea" Grigory Dolgikh Pacific Oceanological Institute FEB RAS, Russia |
| 14:20-14:40 | The Catastrophic Explosive Eruptions That Occurred in Southern Kamchatka Over the Past 4 Million Years Aleksey Rogozin Institute of Volcanology and Seismology FEB RAS, Russia |
| 14:40-15:00 | About the Relationship of Tropical and Subtropical Cyclogenesis on the Example of the Typhoon Dolphin. Nadezhda Kotovich The Department of Oceanology and Hydrometeorology FEFU Far Eastern Hydrometeorological Research Institute, Russia |
| 15:00-15:20 | Abnormal Gas-Geochemical Fields in Sediments of Gulf of Tonkin (Vietnam) and Thermal Sources of the Northwest Vietnam Nadezhda Syrbu Pacific Oceanological Institute FEB RAS, Russia |
| 15:20-15:40 | Coffee-break |

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| <p>Section 2. Hazardous Natural Phenomena Moderator: Martin Heimann Room: G601</p> | |
| 15:40-16:00 | <p>Photonics for Monitoring of Natural and Anthropogenic Disasters Yury Kulchin Institute of Automation and Control Processes FEB RAS, Russia</p> |
| 16:00-16:20 | <p>Prevalence of Tephra of Kamchatka Largest Volcanic Eruptions. GIS Analysis Anna Dolgaya Institute of Volcanology and Seismology FEB RAS, Russia</p> |
| 16:20-16:40 | <p>Tropical Cyclone Intensity Diagnostic Using Satellite Remote Sensing Data Aleksandr Eremenko Institute of Automation and Control Processes FEB RAS, Russia</p> |
| 16:40-17:00 | <p>The Threat of Forest Fires During Volcanic Eruptions in Kamchatka: Fire Factors, Conditions of Occurrence of Fires, Identification of Potential Risk Areas Sergey Grishin Federal Scientific Center for Biodiversity of Terrestrial Biota of East Asia FEB RAS, Russia</p> |
| <p>18:00 Welcome Reception <i>Polina” Café, FEFU Campus Promenade</i></p> | |
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| <p>Wednesday, August 14</p> | |
| <p>Section 1. Global Climate Change Impact Moderator: Vladimir Byshev Room: G512</p> | |
| 10:30-10:50 | <p>How to Estimate the Past Record of Fault Activity: An Example from Nojima Fault, Japan Noriko Hasebe Kanazawa University, Japan</p> |
| 10:50-11:10 | <p>Local Oxygenation in the Midst of Regional Anoxia During the Last Glacial Maximum in the Japan Sea — the Case of Tatar Trough Renat Shakirov Pacific Oceanological Institute FEB RAS, Russia</p> |
| 11:10-11:30 | <p>Regional Climate Response in the Far North East Asia to Modern Warming Lyubov Vasilevskaya The Department of Oceanology and Hydrometeorology FEFU, Russia</p> |
| 11:30-12:00 | <p>Coffee-break</p> |
| <p>Section 1. Global Climate Change Impact Moderator: Sergey Govorushko Room: G708</p> | |
| 12:00-12:20 | <p>Modern Geoecological Problems of Lake Khanka, Causes and Solutions Anatoly Kachur Pacific Geographical Institute FEB RAS, Russia</p> |

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| 12:20-12:40 | Effects of Heavy Rain on Transport of Suspended Solids in River Systems Seiya Nagao Institute of Nature and Environmental Technology, Kanazawa University, Japan |
| 12:40-13:00 | Greenhouse Gases Distribution in the Near Water Atmosphere in the North of Japan Sea Andrey Yatsuk Pacific Oceanological Institute FEB RAS, Russia |
| 13:00-14:00 | Lunch |
| Section 1. Global Climate Change Impact Moderator: Renat Shakirov Room: G708 | |
| 14:00-14:20 | The Impact of the Climatic Factor on the Variability of Transboundary Pollutant Transport in Northeast Asia Igor Kondratyev Pacific Geographical Institute FEB RAS, Russia |
| 14:20-14:40 | Methane Fluxes on the Water-Atmosphere Interface in the Sea of Japan Olga Mishukova Pacific Oceanological Institute FEB RAS, Russia |
| 14:40-15:00 | Migrational Processes of Chemical Elements and Soil Pollution During Deposit Exploitation in Priokhotye Region Alexandra Makhinova Institute of Water and Ecological Problems FEB RAS, Russia |
| 15:00-15:20 | Coffee-break |
| Section 1. Global Climate Change Impact Moderator: Alexandra Makhinova Room: G708 | |
| 15:20-15:40 | About the Association of Climatic Features of the Primorsky Region with Solar Activity Irina Kuzmenko Ussuriisk Astrophysics Observatory FEB RAS, Russia |
| 15:40-16:00 | Greenhouse Gases Observations with High-Resolution Spectrometers from Space and Applications to Estimating Anthropogenic Greenhouse Gas Emissions Shamil Maksyutov National Institute for Environmental Studies of Japan, Tsukuba, Japan |
| 16:00-16:20 | Regional Aspects of Climate System Change Ekaterina Soloveva Department of Navigation, Far Eastern State Technical Fisheries University "Dalrybvtuz", Russia |
| 16:20-16:40 | Modeling of Changes in Global Climate Based on the Structure of Prehistorical Cultural Objects Alina Paranina The Herzen State Pedagogical University of Russia |
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Wednesday, August 14

Section 3. Climate Change Impact on Aquatic and Terrestrial Ecosystems

Moderator: Olga M. Nuneza

Room: G601

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| 10:30-10:50 | Climate Change Impact on the Dynamics of Freshwater Ecosystems Victor Bogatov Federal Scientific Center for Biodiversity of Terrestrial Biota of East Asia FEB RAS, Russia |
| 10:50-11:10 | Lessons from Historical Evidences: Catastrophic Impacts of Climatic Changes on Island Fauna and Their Implications on Ongoing Impacts Satoshi Chiba Division of Regional Ecosystem Studies in Center for Northeast Asian Studies, Tohoku University, Japan |
| 11:10-11:30 | Natural and Anthropogenic Threats for the Mekong Delta Aquatic Ecosystems Connected with Climate Change Xuan Quang Department of Environmental Management and Technology, Institute of Tropical Biology, VAST, Vietnam |
| 11:30-12:00 | Coffee-break |
| Section 3. Climate Change Impact on Aquatic and Terrestrial Ecosystems | |
| Moderator: Yury Zhuravlev | |
| Room: G601 | |
| 12:00-12:20 | Harmful Algae Bloom in Jakarta Bay : Natural Disaster Related to Eutrophication Ario Damar Centre for Coastal and Marine Resources Studies (PKSPL IPB), Bogor Agricultural University (Institute Pertanian Bogor), Indonesia |
| 12:20-12:40 | Biodiversity and Ecosystem Service of Seagrass Beds in East and Southeast Asia: Current Status and Challenges Masahiro Nakaoka Akkeshi Marine Station, Field Science Center for Northern Biosphere, Hokkaido University, Japan |
| 12:40-13:00 | Trophic Interactions Between Bacteria, Heterotrophic Protozoa and bacteriophages in Epipelagial of the Sea of Japan Alyona Eskova Pacific Oceanological Institute FEB RAS, Russia |
| 13:00-14:00 | Lunch |
| Section 3. Climate Change Impact on Aquatic and Terrestrial Ecosystems | |
| Moderator: Victor Bogatov | |
| Room: G601 | |
| 14:00-14:20 | Effects of Climate Change on Forest Ecosystems in Japan Tohru Nakashizuka Research Institute for Humanity and Nature, Japan |

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| 14:20-14:40 | Influence of Fertilizer Systems on the Structure and Change of Microorganisms of the Nitrogen Cycle Marina Sidorenko Federal Scientific Center for Biodiversity of Terrestrial Biota of East Asia FEB RAS, Russia |
| 14:40-15:00 | Addressing Vulnerabilities to Climate Change in the Philippines: the Academy Experience in Agusan Marsh Proserpina G. Roxas Mindanao State University at Naawan, Philippines |
| 15:00-15:20 | Coffee-break |
| Section 3. Climate Change Impact on Aquatic and Terrestrial Ecosystems Moderator: Masahiro Nakaoka Room: G601 | |
| 15:20-15:40 | Terrestrial Biodiversity of Mimbilisan Protected Landscape in a Changing Climate in the Philippines Olga M. Nuneza Mindanao State University in Iligan City, Philippines |
| 15:40-16:00 | Communication of Solar and Geomagnetic Activity with the Weather Phenomena in the Troposphere and an Annual Increase of a Fir-tree Ayansky Michail Fisenko Ussuriisk Astrophysics Observatory FEB RAS, Russia |
| 16:00-16:20 | Effects of Hypoxia-Reoxygenation on the Antioxidant Defense System and Energetic Metabolism in Littoral and Deepwater Lake Baikal Amphipods Yana Klimova Papanin Institute for Biology of Inland Waters of Russian Academy of Sciences, Russia |
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| 16:45 | Closing Ceremony Kirill Golokhvast Room: G512 |
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