

**Program AASSA – FEB RAS International Workshop on
“Climate change adaptation and mitigation: sustainable agriculture and health security”**

jointly Organized by:

**Association of Academies and Societies of Sciences in Asia (AASSA) &
Far Eastern Branch Russian Academy of Sciences (FEB RAS)**

Supported by: **InterAcademy Partnership (IAP)**

**Hotel “Bira”, Birobidzhan, Russian Federation
01-05 October 2018**

01 October 2018, Monday			
Arrivals (in Khabarovsk airport “Novy”, transfer to Birobidzhan by car about 3 hours)			
13.00 – 14.00 Lunch			
19.00 – 20.00 Dinner			
02 October 2018, Tuesday / AASSA – ICARP FEB RAS International Workshop			
09:00 – 09:30 Registration			
09:30 Welcome speech of FEB RAS President, RAS Academician Valentin Sergienko			
09:35 Welcome speech of AASSA President Prof. Yoo Hang Kim			
09:40 Welcome speech of FEB RAS Vice President, RAS Academician Yuri Kulchin			
09:45 Welcome speech of Jewish Autonomous Region Governor Prof. Alexander Levintal			
09:50 Welcome speech of ICARP FEB RAS Director, Dr. Denis Fetisov			
Special Session. IAP’s Project Food & Nutrition Security and Agriculture (FNSA)			
09:55 Prof. Yoo Hang Kim (AASSA President, Korea) Introduction			
10.00	Prof. Morakot Tanticharoen (National Science and Technology Development Agency, Thailand)	AASSA’s FNSA Report	30 min. presentation
10:30 – 10:40 Photo session			
10:40 – 11:00 Coffee break			
Session 1. Climate Change and Sustainable Agriculture			
Co-chairs: Prof. Zabta K. Shinwari, Dr. Tatiana Potenko			
11:00	Prof. M. Qasim Jan (University of Peshawar, President of Peshawar & Pakistan Academy of Sciences, Islamabad, Pakistan)	Climate change and its threats to sustainable agriculture	25 min. presentation 5 min. discussion

11:30	Prof. Sang-Soo Kwak (Korea Research Institute of Bioscience and Biotechnology, Korea)	Agroforestry biotechnology for sustainable agriculture on marginal lands	25 min. presentation 5 min. discussion
12:00	Dr. Tri Handoko Seto (National Centre for Weather Modification Technology, the Agency for the Assessment and Application of Technology, Indonesia)	Role of Weather Modification Technology in climate change adaptation: Indonesian case	25 min. presentation 5 min. discussion
12:30 – 13:00 Joint Discussion			
13:00 – 14:00 Lunch			
Session 2. Climate Change: Challenges for Food and Social Security			
Co-chairs: Prof. M. Qasim Jan, Prof. Sang-Soo Kwak			
14:00	Prof. Zabta K. Shinwari (Qarshi University, PAS & NCT, Lahore, Pakistan)	Ethics: ensuring food security in the era of climate change	25 min. presentation 5 min. discussion
14:30	Dr. Tatiyana Potenko (Primorskiy Scientific Research Institute of Agriculture, Ussuriisk, Russia)	Risk management in agriculture and adaptation to climate change	20 min. presentation 5 min. discussion
14:55	Dr. Azyk Orozonova (Institute of Economics named after academician J. Alyshbaev of the National Academy of Sciences of Kyrgyz Republic, Bishkek, Kyrgyz Republic)	Ecological migration: essence, problems and possible solutions	20 min. presentation 5 min. discussion
15:20	Dr. Gulzar Karybekova (Institute of Philosophy and Political – Legal researches, National Academy of Sciences of the Kyrgyz Republic, Bishkek, Kyrgyz Republic)	International instruments in the field of climate change	20 min. presentation 5 min. discussion
15:45 – 16:15 Coffee break			
16:15	Dr. Iffat Ara (University of Tasmania, Australia)	Perceptions and responses to climate change: understanding adaptation strategies in Northern Bangladesh using livelihood resources	20 min. presentation 5 min. discussion
16:40	Prof. Proserpina G. Roxas (Mindanao State University at Naawan, Naawan, Misamis Oriental, Philippines)	Building resilience and poverty alleviation through tilapia-based skills and livelihood development in Northern Mindanao,	15 min. presentation 5 min. discussion

		Philippines	
17:00	Dr. Anwarul Abedin (Bangladesh Agricultural University, Mymensingh, Bangladesh)	Coping with flashflood under changing climate in north-eastern haor areas of Bangladesh: potentials of promising crop production practices	15 min. presentation 5 min. discussion
17:20	Dr. Andrey Anoshkin, Vitaliy Zubarev (ICARP FEB RAS, Birobidzhan, Russia)	Land reclamation and transformation of floodplain-channel complexes at the Middle Amur Lowland	15 min. presentation 5 min. discussion
17:40 – 18:00 Joint Discussion			
19:00 – 21:00 International Workshop Dinner			
03 October 2018, Wednesday / AASSA – ICARP FAB RAS International Workshop (Continued)			
Session 3. Climate Change and Challenges for Agricultural Environment Co-chairs: Prof. Juanle Wang, Prof. Sang-Soo Kwak			
09:00	Prof. Muhammad Manjurul Karim (Department of Microbiology, University of Dhaka, Dhaka, Bangladesh)	Salinity intrusion and coastal agriculture: adaptation strategies using salt-tolerant plant-growth promoting rhizobacteria for sustainable food security	25 min. presentation 5 min. discussion
09:30	Dr. Yuliya Kosheleva (Federal Scientific Center of the East Asia Terrestrial Biodiversity FEB RAS, Vladivostok, Russia)	Effects of long-term fertilization on Strontium (Sr) and Vanadium (V) in agricultural soils of Primorye	15 min. presentation 5 min. discussion
09:50	Dr. Marina Sidorenko (Federal Scientific Center of the East Asia Terrestrial Biodiversity FEB RAS, Vladivostok, Russia)	Ammonia-oxidizing bacteria respond to multifactorial global change	15 min. presentation 5 min. discussion
10:10	Prof. Rafiullah Nasrati (Geoscience Center of Academy of Sciences of Afghanistan, Kabul, Afghanistan)	Signs of climate change in Afghanistan	15 min. presentation 5 min. discussion
10:30 – 11:00 Coffee break			
11:00	Prof. Junhu Dai (Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, Beijing, China)	Phenophase shifts across elevations on Major mountains in North China	25 min. presentation 5 min. discussion
11:30	Dr. Evgeniy Egidarev (Pacific Geographical Institute FEB RAS,	Mapping of agricultural land use along the Far East major	20 min. presentation

	Vladivostok, Russia)	rivers	5 min. discussion
11:55	Dr. Atsushi Matsuki (Institute of Nature and Environmental Technology, Kanazawa University, Kanazawa, Japan)	Isotopic source apportionment of carbonaceous aerosols observed in Noto Region, Japan: impact of biomass burning on the East Asian Outflow	20 min. presentation 5 min. discussion
12:20	Dr. Vladimir Glagolev, Dr. Anna Zubareva (ICARP FEB RAS, Birobidzhan, Russia)	Grassfire forecast at agricultural lands of the Jewish Autonomous Region, Russia	15 min. presentation 5 min. discussion
12:40 – 13:00 Joint Discussion			
13:00 – 14:00 Lunch			
Session 4. Climate Change and Human Health			
Co-chairs: Prof. Muhammad Manjurul Karim, Dr. Azyk Orozonova			
14:00	Dr. Elena Grigorieva (ICARP FEB RAS Birobidzhan, Russia)	Climate, thermal comfort and human health	20 min. presentation 5 min. discussion
14:25	Prof. Juanle Wang, Yezhi Zhou (Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences Beijing, China)	Spatial-temporal patterns of travel climate comfortable period in Northeast China from 1981 to 2010	20 min. presentation 5 min. discussion
14:50	Dr. Anna Sukhoveeva, Dr. Elena Grigorieva (ICARP FEB RAS, Birobidzhan, Russia)	Elderly mortality and climate at the Russian Far East	15 min. presentation 5 min. discussion
15:10	Dr. Yulia Tatonova (Federal Scientific Center of the East Asia Terrestrial Biodiversity FEB RAS, Vladivostok, Russia)	Human parasites in the Amur River: the results of 2017–2018 field studies	15 min. presentation 5 min. discussion
15:30 – 16:00 Coffee break			
16:00	Dr. Svetlana Lozovskaya, Dr. Nataliya Stepanko (Pacific Geographical Institute FEB RAS, Vladivostok, Russia)	Factor temporal prediction of socially significant morbidity in Primorsky Krai	15 min. presentation 5 min. discussion
16:20	Prof. Tatiyana Vitkina, Dr. Elena Grigorieva (Research Institute of Medical Climatology and Rehabilitation Treatment, Vladivostok; ICARP FEB RAS, Birobidzhan, Russia)	Weather dependence of patients with bronchopulmonary pathology at the south of Primorsky Krai	15 min. presentation 5 min. discussion
16:40	Dr. Evgeniy Suprun, Dr. Elena	Climate and children with	15 min.

	Grigorieva (Institute for Maternal and Child Health, Far Eastern State Medical University, Khabarovsk; ICARP FEB RAS, Birobidzhan, Russia)	bronchial asthma: case study for the Russian Far East	presentation 5 min. discussion
17:00 – 17:10 Joint Discussion			
17:10 – 17:50 Closing Ceremony			
18:00 – 19:00 Tour of the city			
19:00 – 21:00 International Workshop Dinner			
04 October 2018, Thursday / Field Trip			
09:30 – 17:30 Field trip (visit to Natural Reserve “Bastak”, packed lunch)			
19:00 – 20:00 Dinner			
05 October 2018, Friday / Departures			
13:00 – 14:00 Lunch			
19:00 – 20:00 Dinner			

Language: English is the official language of the International Workshop. This language will be used for all the printed materials, presentations and discussions.

Venue: Hotel “Bira”, Birobidzhan, Russian Federation