



BAIKAL INSTITUTE OF NATURE MANAGEMENT  
OF THE SIBERIAN BRANCH OF THE RUSSIAN ACADEMY OF SCIENCES

LOMONOSOV MOSCOW STATE UNIVERSITY

Commission for Water Sustainability  
International Geographical Union  
International research-to-practice conference

## **WATER SUSTAINABILITY IN THE XXI CENTURY: CHALLENGES AND SOLUTIONS**

### **Program of conference**

---

**August 16 – 20, 2017**  
**Istomino (Lake Baikal), Republic of Buryatia, Russian Federation**

### **Organizing Committee**

*Frank Winde* – Prof. Dr. habil., Chair of the IGU Commission for Water Sustainability, North-West University, South Africa

*Nikolai Kasimov* – Academician of the RAS, I vice-president of the Russian Geographical Society, President of the Faculty of Geography of the Lomonosov Moscow State University, Russia

*Arnold Tulokhonov* – Academician of the RAS, scientific leader of the BINM SB RAS, Russia

*Endon Garmaev* – Dr. habil., Professor of the RAS, Director of the BINM SB RAS, Russia

*Natalia Frolova* – Prof. Dr. habil., Vice Chair of the IGU Commission for Water Sustainability, Head of the Land Hydrology Department of the Faculty of Geography of the Lomonosov Moscow State University, Russia.

### **Day 0: Tuesday, August 15, 2017**

Arrival of the participants, Ulan-Ude

Transfer to the conference place, Istomino, Lake Baikal

### **Day 1: Wednesday, August 16, 2017**

Welcome speeches (09:00-09:20)

Time	Name of a speaker	Paper title
09:20-09:40	<i>Arnold Tulokhonov</i>	Year of Ecology in Russia: problems and solutions
09:40-10:00	<i>Yibo Wang</i>	Effect of a thermokarst on the water storage capacity in permafrost of the Qinghai-Tibet Plateau, China
10:00-10:20	<i>Chansheng He</i>	Water Saving Potential in arid Northwestern China
10:20-10:40	<i>Leonid Korytnyi</i>	Cartographic support of water resources management
10:40-11:00	<i>Lanhui Zhang</i>	Physically-based adjustment factor for precipitation estimation in large arid mountainous watershed, Northwest China
11:00-11:20	<i>Maria Kireeva</i>	Water regime transformation under the influence of changing climate on the European part of Russia
11:20-11:40	<i>Dmitry Magritsky</i>	Water resources of the Russian Arctic rivers under the influence of climate changes and large-scale water management
11:40-12:00	<i>Liliana Zaharia</i>	Effects of climate change on river flow in Romania
12:00-13:30	Lunch break	
13:30-13:50	<i>Shuguang Liu</i>	Construction of Spongy City Under the Fast Development of Urbanization in China
13:50-14:10	<i>Endon Garmaev</i>	Water cooperation in transboundary river basins
14:10-14:30	<i>Elena Ilicheva</i>	The current state of the water-erosion system of the Selenga River basin
14:30-14:50	<i>Natalia Frolova</i>	Evaluation of water balance in large Russian river catchments with the help of the satellite system of the earth's gravity field measurement (GRACE)

14:50-15:10	<i>Frank Winde</i>	Climatic controls on water quality and health: a case study from the southern Kalahari desert
15:10-15:30	<i>Chaomeng Dai</i>	Comparative analysis of terms and migration mechanisms of chemical components in natural-technogenic soils in the east regions of Russia and China
15:30-15:50	<i>Svetlana Patsaeva</i>	Optical properties of colored dissolved organic matter in different aquatic systems
15:50-16:10	<i>Buren Scharaw</i>	Urban Water Management in Northern Mongolia
15:50-16:10		Coffee break
16:30-16:50	<i>Heejun Chang</i>	Assessing Urban Flood Risk in a Changing Climate
16:50-17:10	<i>Julia Hall</i>	Hydroclimatic Extremes in Europe: Spatial-temporal Characteristics of Floods and Droughts
17:10-17:30	<i>Gabriela Adina Morosanu</i>	Spatial-temporal relations between floods and suspended sediments load in the Jiu River basin
17:30-17:50	<i>Trahel Vardanyan</i>	Rivers' minimum flows as extreme hydrological phenomena
17:50-18:10	<i>Guihui Zhong</i>	Flood Hazard Map and Flood Risk Management in Taihu Basin of China
18:10-18:30	<i>Elena Krasnova</i>	Coastal meromictic lakes on different stages of isolation from the White Sea
18:30-18:50	<i>Svetlana Agafonova</i>	River ice within the arctic zone of Western Siberia in current climate conditions

### **Day 2: Thursday, August 17, 2017**

Closure of the conference. Summarizing  
Field trip to the Selenga River delta  
Tour to the Posolsk monastery

### **Day 3: Friday, August 18, 2017**

Tour to the Baikal State Biosphere Reserve (150 km far from Istomino)  
Excursion to the visit-center  
Visit to the Reserve museum  
Walk down the ecotrail

### **Day 4: Saturday, August 19, 2017**

Trip to the Chivyrkuy Bay (300 km far from Istomino)  
Sightseeing  
Visit to wild thermal springs

### **Day 5: Sunday, August 20, 2017**

Trip to the Ushkan Islands  
Observation of nerpa rookery (Baikal seal)  
Transfer to Ulan-Ude