

HYBRID EVENT

physical on-site OR virtual online participation possible



4th International Conference on the Status and Future of the World's Large Rivers

3-6 August 2021
Moscow, Russia

Special Session on
Russian / Arctic Rivers

Scientific sponsors

- UNESCO** United Nations Educational, Scientific and Cultural Organization
- IAHR** International Association for Hydro-Environment Engineering and Research
- IAHS** International Association of Hydrological Sciences
- WASER** World Association for Sedimentation and Erosion Research
- IAG** International Association of Geomorphologists
- SIL** International Society of Limnology



TOPICS

TOPIC 1

Hydrology, Hydraulics & Hydroclimatic Impacts

- 1a. Hydrology & Hydraulics
- 1b. Water Resources & Availability
- 1c. Climate Change Impact on Large Basin Hydrology

TOPIC 2

Sediment Transport & River Morphology

- 2a. Sediment Transport & Material Fluxes
- 2b. River Morphology & Morphodynamics
- 2c. Sedimentary Floodplain Archives
- 2d. Influence of Climate Change on Sediment Transport and River Morphology

TOPIC 3

River Pollution, Ecology & Restoration

- 3a. River Pollution & Water Quality
- 3b. Water & Sediment Quality
- 3c. River Ecology & River Restoration
- 3d. Influence of Climate Change on Ecology and Restoration

TOPIC 4

Integrated River Basin Management

- 4a. Human Uses, Conflicting Demands and Stresses on Large Rivers
- 4b. Climate Change – Water Security & Natural Disasters
- 4c. Hydropower, Navigation, Flood Control & Protection, Water Resources & Irrigation
- 4d. Integrated Management & Shared Benefit

TOPIC 5

Russian / Arctic Rivers

Special session for research related to Russian and/or Arctic Rivers

**Take the opportunity to participate in this conference
– either physically on-site or virtually online!**

PRE- & POST-CONFERENCE TOURS

7 August 2021: Boat-Tour on Moscow-River [1 Day Trip]

6 – 8 August 2021: Trip to St. Petersburg [2 ½ Days Trip]

IMPORTANT DATES

ABSTRACTS

- | | |
|--------------|--|
| March 2019 | Call for abstracts |
| 31 May 2021 | Ext. Deadline for online abstract submission |
| 15 June 2021 | Notification of abstract acceptance |

REGISTRATION

- | | |
|---------------|--|
| March 2021 | Announcement of hybrid conference mode |
| 31 July 2021 | End of online registration |
| 3 August 2021 | Conference opening |

ORGANISATION

MSU Lomonosov Moscow State University
Moscow, Russia
Faculty of Geography



BOKU University of Natural Resources
and Life Sciences, Vienna, Austria
*Department of Water, Atmosphere and
Environment; Institute of Hydraulic
Engineering and River Research*



Co-Organisation by

Russian Geographical Society
Pan-Eurasian Experiment
Russian Hydrometeorological Society
Russian National Committee IHP

CONTACT

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MOTIVATION & AIMS

The pressures and impacts on the World's Large Rivers have increased greatly in recent years. Large rivers are particularly exposed to problems of multiple uses, often with conflicting aims. At the global scale, there is no comprehensive assessment of the current status of the World's Large Rivers, the conflicting demands on such rivers, and likely future anthropogenic impacts, as well as the potential for restoration and the associated problems.

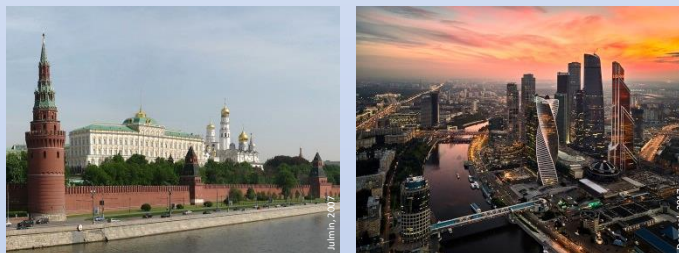
In **2011** the first International Conference on „The Status and Future of the World's Large Rivers“ in **Vienna, Austria**, provided a global forum for a wide-ranging discussion of key issues related to research on large rivers and to their effective and sustainable management, involving both scientists and decision makers. This successful event has been continued in **2014 in Manaus, Brazil** at the fascinating Amazon River, and in **2017 in New Delhi, India** at the outstanding Ganga River.

In this context, a new UNESCO / IHP Programme (**WLRI - World's Large Rivers Initiative**) has been established in 2014, which aims to foster a global network of programmes and partners related to the work and research at large rivers. In 2018 the WLRI officially became part of the UNESCO-IHP work programme.

One of the main tasks of this Initiative is to continue the successful series of World's Large Rivers Conferences. Moscow, Russia's capital city, will be the next venue for the World's Large Rivers Conference 2021. Up to now already 10 Special Issues in SCI journals have been published with 143 articles and 554 authors. Further Special Issues will follow after the 2021 conference.

LOCAL INFORMATION

Moscow is a lively city reflecting a perfect blend of modernization and traditional architecture. Being the capital city of the world's largest country, Russia, Moscow is the center of government's legislature and judiciary system. The city reflects two sides of the same coin: on the one hand the historic spirit of the old Russian Empire, the czardom, is evident with every step between world renowned buildings like the Kremlin, the Red Square or the St. Basil's Cathedral. On the other hand, Moscow features an impressive skyline of architecturally breathtaking skyscrapers representing the modern side of the city.



The **Moscow River**, which is part of the **Volga River** system, passes the city of Moscow along its 502 km of length. The Volga itself is the most important river of Western Russia and the largest river of Europe. The facts are impressive: 3530 km river length, more than 8.000 m³/s mean discharge and a catchment area of 1.360.000 km² prove its enormous size.

Due to its great size, Russia features many other rivers besides this very prominent and well known one, which rank among the world's largest: **Dnepr, Ob/Irtysh, Yenisei, Amur, Lena and Tunguska**. Large parts of their catchments are situated in subarctic and arctic regions which make them sensitive to changes in temperature. **Climate Change** as major future challenge imposes great stress on these riverine systems. Therefore, the World's Large Rivers Conference 2021 in Moscow will put strong emphasis on research related to Climate Change, not only regarding Siberian rivers, but fluvial systems worldwide.

COMMITTEES

LOCAL ORGANIZING COMMITTEE

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Lomonosov Moscow State University - Faculty of Geography

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Amazon



Murray



Congo



Yangtze



Mississippi



Volga