

**Northern Water Problems Institute, KarRC RAS (Petrozavodsk)**  
**Karelian Research Centre of the Russian Academy of Sciences (Petrozavodsk)**  
**Water Problems Institute of the Russian Academy of Sciences (Moscow)**  
**P.P. Shirshov Institute of Oceanology of the Russian Academy of Sciences (Moscow)**  
**Marine Hydrophysical Institute of Russian Academy of Sciences (Sevastopol)**  
**Institute of Ecology and Subsoil Use of the Republic of Tatarstan Academy of Sciences (Kazan)**  
**Nansen International Center for Environment and Remote Sensing (St. Petersburg)**  
**Russian State Hydrometeorological University (St. Petersburg)**  
**Surgut State University (Surgut)**  
**University of Helsinki (Finland)**  
**Dalian University of Technology, Chang'an University (China)**  
**Centre for Water Resources Development and Management (India)**  
**RAS Earth Sciences Division**  
**Russian Foundation for Basic Research**  
**Russian Geographical Society, Republic of Karelia Division**

6<sup>TH</sup> INTERNATIONAL YOUNG SCIENTISTS  
CONFERENCE

**“WATER RESOURCES:  
RESEARCH AND  
MANAGEMENT”  
(WRRM)**

(SCHOOL AND WORKSHOP)

*First circular*



**PETROZAVODSK, SEPTEMBER 1-11, 2020**

**Dear colleagues,**

We hereby invite you to take part in the 6<sup>th</sup> International Young Scientists Conference

In 2010, NWPI KarRC RAS organized the 1<sup>st</sup> International Field School “European Great Lakes – Lake Onego”. The event exposed the high significance of interactive information exchange in field research practices.

In 2012, the 2<sup>nd</sup> International Field School “European Great Lakes – Lake Onego” took place. This event, which has become regular, is an extension of the Institute’s targeted work for training talented youth for a scientific career, carried out in collaboration with Russian and foreign higher educational institutions and research institutes.

In 2013, the 3<sup>rd</sup> International Workshop “Cross-border catchments: Finland and Russia – the White Sea drainage basin” was organized, including a field trip to the White Sea and a session for young scientists.

In 2014, the NWPI Research and Education Centre, together with NWPI Young Scientists Council and RGS Division in the Republic of Karelia, organized the 4<sup>th</sup> International Youth Conference and School “Seas, lakes and cross-border catchments of Russia, Finland and Estonia”.

In 2016, the conference and workshop were organized, and included keynote lectures by reputable scientists, oral and poster presentations by Master and PhD students and early career scientists, and provided opportunities for going on field trips to do sampling and instant assaying.

The peculiarity of the international young scientists conference and school of 2020 is that it will be arranged in several stages through wide cooperation of scientific institutes and universities on the basis of previous experience of joint work.

In addition to the conference itself, at which presentations will be delivered, also remotely (Skype presentations), and theoretical and applied issues will be addressed during several thematic sessions, there will be practical training sessions and master classes.

### **VENUE AND TIME**

The Summer practice school will be held at the Northern Water Problems Institute, Petrozavodsk, Republic of Karelia (Pushkinskaya, 11) on September 1<sup>st</sup> to 5<sup>th</sup>, 2020.

The conference, arranged by the Northern Water Problems Institute, will take place at the Karelian Research Centre RAS, Petrozavodsk, Republic of Karelia (Pushkinskaya, 11) on September 7<sup>th</sup> to 11<sup>th</sup>, 2020.

The Winter limnological practice schools (courses) will be held at the Lammi Biological Station of the University of Helsinki

before the conference, on March 9-13, 2020

and after the conference – in March 2021.

Further information about the winter limnological courses will be disseminated around October 2019.

### **MAIN THEMATIC AREAS OF THE CONFERENCE:**

- water resources of the Eurasian region
- cross-border waters
- formation of inland water resources under human impact
- response of waterbodies and their communities to climate change
- sustainable water use, protection and management
- modeling of hydrological and ecosystem-wide processes
- formation process and current state of bioresources in large waterbodies
- bioindication and biomonitoring, ecotoxicological assessment of waters

### **ORGANIZING COMMITTEE:**

**Chairman:** Corresponding Fellow of the Russian Academy of Sciences N.N. Filatov,  
Northern Water Problems Institute

#### **RUSSIA**

Chairman's assistance group for communications with young scientists:

**Northern Water Problems Institute KarRC RAS (Petrozavodsk)**

Alexey Tolstikov, PhD,

Nataliya Galakhina, PhD

**Water Problems Institute of the Russian Academy of Sciences (Moscow)**

Prof. Valery Zyryanov, DSc  
**Nansen International Center for Environment and Remote Sensing (St. Petersburg)**  
Dmitry Pozdnyakov, DSc  
Igor Bashmachnikov, PhD  
**Marine Hydrophysics Institute of the Russian Academy of Sciences (Sevastopol)**  
Sergey Konovalov, RAS Corresponding Academician  
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Rifgat Shagidullin, DSc  
Dmitry Ivanov, PhD  
**Russian State Hydrometeorological University (St. Petersburg)**  
Valery Tsarev, DSc  
Grigory Frumin, DSc  
**Surgut State University**  
Elena Shornikova, PhD

**FINLAND**  
**University of Helsinki**  
Prof. Matti Läppenranta  
Prof. Lauri Arvola

**CHINA**  
**Dalian University of Technology**  
Prof. Zhijun LI  
**Chang'an University**  
Assoc. Prof., Dr. Wenfeng Huang

**INDIA**  
**Centre for Water Resources Development and Management**  
Dr P S Hari Kumar, Senior Principal Scientist and Head, Water Quality Division

**DATES AND DEADLINES:**

Until February 1, 2020 – arrangements for the 2020 Winter limnological practice school (courses) at the Lammi Biological Station of the Helsinki University

Until March 1, 2020 – electronic registration at <http://water.krc.karelia.ru/>

Until March 1, 2020 - accepting papers for publication in conference proceedings

Until June 1, 2020 – compiling provisional programme

Until August 1, 2020 - confirmation of full-time participation in the conference and summer practice school

Until August 10, 2020 – finalizing programme

Until February 1, 2021 – arrangements for the 2021 Winter limnological practice school (courses) at the Lammi Biological Station of the Helsinki University

**PRESENTATION FORMATS:**

- keynote lecture (30 min)
- oral presentation (10-15 min for presentation and 5 min for Q&A)
- poster (A1 format – 594 cm× 841 cm).

**CONFERENCE LANGUAGES:**

Russian and English

**PUBLICATIONS:**

- materials from the conference will be published on NWPI website (<http://water.krc.karelia.ru/>)
  - conference proceeding will be published as a special volume registered at RSCI (Russian science citation index)
- Instructions for authors will be specified later on.

**INVITATIONS AND VISAS:**

- ❖ invitation for Russian participants (if indicated so in the registration form)
- ❖ invitation for foreign participants (if indicated so in the registration form)
- ❖ invitation for Russian participants of the winter limnology course organized by the University of Helsinki (if indicated so in the registration form)

**FUNDING SOURCES:** Russian Foundation for Basic Research, Russian Science Foundation, RAS Earth Sciences Division, Federal Agency for Scientific Organizations, participants

**CONTACTS:**

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