

**Northern Water Problems Institute (NWPI), KarRC RAS  
Research and Education Centre of NWPI KarRC RAS  
Young Scientists Council of NWPI KarRC RAS  
Karelian Research Centre (KarRC RAS)  
Russian State Hydrometeorological University (RSU)  
RAS Division of Earth Sciences  
Russian Foundation for Basic Research  
Russian Geographical Society, Republic of Karelia Division**

**5<sup>TH</sup> INTERNATIONAL YOUNG SCIENTISTS CONFERENCE  
“WATER RESOURCES:  
RESEARCH AND MANAGEMENT” (WRRM)  
(LIMNOLOGICAL SCHOOL AND WORKSHOP)**

**PETROZAVODSK, SEPTEMBER 5-8, 2016**

*First circular*

**Dear colleagues,**

We hereby invite you to take part in the 5<sup>th</sup> International Young Scientists Conference devoted to the 25<sup>th</sup> anniversary of the Northern Water Problems Institute of KarRC RAS and 70<sup>th</sup> anniversary of the Karelian Research Centre RAS.

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 will include keynote lectures by reputable scientists, oral and poster presentations by Master and PhD students and early career scientists, and provide opportunities for going on field trips to do sampling and instant assaying.

**MAIN THEMATIC AREAS OF THE CONFERENCE:**

- water resources of the Eurasian region
- cross-border waters in Russia
- 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
- bottom sediments: geochemistry, palaeoecology and palaeoclimate reconstructions of waterbodies and their catchments

#### **DATES AND DEADLINES:**

Until March 15, 2016 – electronic registration at <http://water.krc.karelia.ru/>

Until March 15, 2016 – accepting papers for publication in conference proceedings

Until June 1, 2016 – compiling provisional programme

Until August 10, 2016– finalizing programme

#### **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)
  - articles in the Limnology series of the scientific journal “Transactions of KarRC RAS” (<http://journals.krc.karelia.ru/index.php/limnology/index>)
- Instructions for authors will be specified later on.

#### **EXCURSIONS:**

- ✓ Lake Onego (on Ekolog research vessel)
- ✓ Municipal water services company and Weather Station
- ✓ Kivach Strict Nature Reserve and “Martial Waters” spa resort
- ✓ Kondopozhskaya HPP

#### **FIELD TRIPS**

- ✓ village Konchezero on the bank of the Lake Pertozero (2-day camp) – master classes, sampling and initial analysis of hydrological samples, landscape excursion, do-it-yourself instant assaying
- ✓ Special programme at the Valaam Education and Scientific Station, supervised by Director A. Stepanova (Russian State Hydrometeorological University)
  - *how the station works,*
  - *sharing experiences from student practical training sessions,*
  - *practical laboratory and field studies,*
  - *participation in international seminar,*
  - *environmental education activities (landscape excursions)*
- ✓ University of Helsinki Lammi Biological Station, including participation in the winter limnology course organized by the University of Helsinki (Department of Physics) under the supervision of Prof. Matti Leppäranta (costs to be covered by participants):
  - *how the station works,*
  - *sharing experiences from student practical training sessions,*
  - *practical laboratory and field studies,*
  - *participation in international seminar,*
  - *environmental education activities (trips to waste separation and recycling station, Lahti municipal water uptake and treatment facilities)*

## ACCOMMODATIONS:

<http://www.hotels.ru/rus/hotels/russia/petrozavodsk/hostels.htm>

<http://www.tripadvisor.ru/Hotels-g298506-c3-zff26->

[Petrozavodsk Republic of Karelia Northwestern District-Hotels.html](http://www.tripadvisor.ru/Hotels-g298506-c3-zff26-Petrozavodsk_Republic_of_Karelia_Northwestern_District-Hotels.html)

**300-450 RUB/night**

**or**

Spa hotel KARELIA, 2 Gylling Nab. Phone/fax (8142) 733-333. [www.karelia-hotel.ru](http://www.karelia-hotel.ru)

AQUATIKA hotel, 7 Pushkinskaya St. (8142) 76-50-04. e-mail: [aquatika@sampo.ru](mailto:aquatika@sampo.ru)

SEVERNAYA hotel, 21 Lenin Pr. (8142) 76-56-81. [www.severnaya.onego.ru](http://www.severnaya.onego.ru)

MASKI hotel, 3-A Karl Marx Av. (8142) 76-14-78, 76-61-39. <http://maski.onego.ru/>

Club Hotel PRIONEZHSKIY, 46 Fedosovoy St. (8142)76-52-71, 76-52-81

AZIMUT Petrozavodsk hotel, 7 Gylling Nab. (8142) 73-00-10. [www.otel.karelia.ru](http://www.otel.karelia.ru)

## ORGANIZING COMMITTEE:

*Co-chairs:*

**Subetto D.A., DSc**, Northern Water Problems Institute KarRC RAS

**Filatov N.N., Corr. Member of RAS.**, Northern Water Problems Institute KarRC RAS

*Executive Secretary:*

**Regerand T.I., PhD**, Northern Water Problems Institute KarRC RAS

*Members of the scientific committee:*

- **Subetto D.A., DSc**, Northern Water Problems Institute KarRC RAS
- **Filatov N.N., RAS Corr. Acad.**, Northern Water Problems Institute KarRC RAS
- **Regerand T.I., PhD**, Northern Water Problems Institute KarRC RAS
- **Nazarova L.E., PhD**, Northern Water Problems Institute KarRC RAS
- **Lozovik P.A., DSc**, Northern Water Problems Institute KarRC RAS
- **Kalinkina N.M., DSc**, Northern Water Problems Institute KarRC RAS
- **Terzhevik A.Yu., PhD**, Northern Water Problems Institute KarRC RAS
- **Leppäranta M., Prof.**, University of Helsinki
- **representatives of RSHU**
- **representatives of Moscow State University and St. Petersburg State University**
- **representatives of Petrozavodsk State University**

*Members of the technical committee:*

- **Baklagin V.N., PhD**, Northern Water Problems Institute KarRC RAS
- **Belicheva L.A., PhD**, Northern Water Problems Institute KarRC RAS
- **Potakhin M.S., PhD**, Northern Water Problems Institute KarRC RAS
- **Sidorova A.I., PhD**, Northern Water Problems Institute KarRC RAS
- **Tolstikov A.V., PhD**, Northern Water Problems Institute KarRC RAS
- **Tyrkin I.A., PhD**, Northern Water Problems Institute KarRC RAS
- **Makarova E.M., Fomina Yu.Yu., PhD students**, Northern Water Problems Institute KarRC RAS
- **Stepanova A.B., PhD**, Russian State Hydrometeorological University

## RUSSIAN PARTICIPANTS:

- Institutes within KarRC RAS
- Water Problems Institute RAS
- Institute of Limnology RAS
- State Inland Fisheries Research Institute (NIORKh)
- Russian State Hydrometeorological University
- Lomonosov Moscow State University
- St. Petersburg State University
- Herzen State Pedagogical University of Russia
- Kazan (Volga Region) Federal University
- Petrozavodsk State University

**INTERNATIONAL PARTICIPANTS:**

- University of Helsinki (Finland)
- University of Tartu (Estonia)
- Belarusian State University (Byelorussia)
- Rezekne Higher Education Institution (Latvia)
- BALTIC UNIVERSITY PROGRAMME (Sweden)
- PAN-EURASIAN EXPERIMENT: PEEX (Finland)

**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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