

International Summer School
“ Freshwater ecosystems under natural conditions and anthropogenic impact. Ladoga Lake ”

27, July – 10, August 2010

Russia, St. Petersburg and

The educational and scientific station at Valaam island, RSHU

Organizer:

Faculty of Ecology and Environmental Physics, Russian State Hydrometeorological University <http://www.rshu.ru/>

Target Group:

MSc students

Application:

the amount of participants is limited. Please, fill the attached Application form and send it to Maria Mamaeva asap by mamaeva-mamaeva@rambler.ru or fax +7 812 444 56 36

Application deadline: 15 June 2010

Area of Study:

Freshwater ecology and biology

Language of the school: English

Attendance documents:

transcripts (ECTS)

The main tasks of the School are:

1. to familiarize the students with the limnogenesis types of North Russia water bodies, using as an example the water system of the Valaam Archipelago;
2. to present to the students the range of natural fluctuations of the limnological parameters within which the normal regime of ecosystem functioning is maintained;
3. to demonstrate the connection between the main limnological parameters on the basis of the field materials collected;
4. to inculcate the idea about the lake being an important component of the landscape;
5. to compare the great lakes and small one (in example of Ladoga Lake);

Field investigations comprise the study of:

- morphometric parameters, thermal regime, basic hydrochemical, hydrophysical parameters, phytoplankton, zooplankton, macrophytes, macrozoobenthos and the primary production of plankton

Lectures in Saint Petersburg:

- Ecological problems of Lake Ladoga and the Lake Ladoga region
- Approaches to the study of the stability of aquatic ecosystems to anthropogenic impact

Excursions in Saint Petersburg:

- The Saint Petersburg Dam
- Museum complex "The Universe of Water"

Lectures in Valaam:

- Physical-geographical characteristics of Lake Ladoga
- Hydrological regime of Lake Ladoga
- The main elements of the Lake Ladoga ecosystem
- An experience of harmonious coexistence of man and nature (the Valaam Monastery in the 18th and the 19th century)

Excursions in Valaam:

- Microlandscape diversity of Valaam Island
- The unique fauna and flora of the Valaam Archipelago
- The Ladoga ringed seal (with a visit to the summer haul-out sites at the distant islands of the Archipelago)

27, July	Arrival, accommodation at RSHU hostels	Saint Petersburg
28, July	Introduction lecture(Prof.Dmitriev), RSHU Museum complex "The Universe of Water"	
29, July	Visit to the dam Trip to Valaam station	
30, July	Lectures, Field trip to discover Valaam island(plus boat trip)	the educational and scientific station at Valaam island
1, August	Lectures, Ice breaking party	
2, August	Lectures, Group work	
3, August	Field experiments, collection of materials	
4, August	Field experiments, collection of materials	
5, August	Excursion on small islands, Seal observations	
6, August	Lectures, Summary	
7, August	Excursion to the Vallam monastry and skits, boat trip (optional)	Saint Petersburg
8, August	Final lecture, closing ceremony, attendance documents handing Departure from Balaam to SPb	
9, August	Arrival to SPb, Free time in SPb (accommodation at RSHU hostels)	
10, August	Departure	

Contacts:

St.Petersburg, Ave Malookhtinsky, 98, 195196, Russia /Phone: +7 (812) 444-56-36
mamaeva@rshu.ru Maria Mamaeva, local organizer, RSHU

anakan@rshu.ru Anna Kanukhina, local organizer, RSHU

Detailed information will be available soon at the summer school web page:

<http://valaam.rshu.ru/>

Please complete this Application Form and return to Maria Mamaeva asap
but not later than 15 June 2010
 by mamaeva-mamaeva@rambler.ru or fax +7 812 444 56 36

Personal information

Name (Surname)	
First name (Name)	
Nationality	
Sex	
Country of residence	
Date and place of birth	
Level of English language?	
Level of Russian language? (optional information)	

Academic background

Place of your work or study/Affiliation Name of institution (not abbreviation!), Address, tel., fax., e-mail.	
Position and Degree (please, indicate academic area)	
Name of your academic advisor. Contacts	
Scope of scientific interest (please, provide up to 5 key words)	
Scientific background related to our School topics (please, describe briefly)	
The list of recent publications	
Participation in the conferences, seminars, workshops related to the school theme (please, list the most important for your professional career)	
How will this summer school help you in your academic career/ scientific research?	

Details for the official invitation(visa procedures)

Passport Number, Date of issue/ Date of expiry	
Address to which we should send an original of the Invitation for getting Russian visa (if different from the above)	
Date of arrival to Russia	
Date of departure from Russia	
Cities to be visited	St. Petersburg, Valaam field station of RSHU
Country and city of visa application	
Purpose of visit	Participation in the international summer school, RSHU
Please enclosed a copy of the photo page passport	