



# The VIII-th Vereshchagin Baikal Conference

Dear colleagues,

We are pleased to invite you to participate in the VIII-th International Vereshchagin Baikal Conference, which will take place from **September 8-14, 2025** in Irkutsk, Russia.

The Conference has a rich history, being held every five years since 1989 at Limnological Institute SB RAS in memory of the outstanding Russian scientist Gleb Yu. Vereshchagin, who led the comprehensive large-scale studies at Lake Baikal. This conference traditionally brings together specialists from various fields involved in the study of the world's water bodies.

The year 2025 is significant for the beginning of research on Lake Baikal: 100 years ago, the Baikal Expedition of the USSR Academy of Sciences began its work, led by G.Yu. Vereshchagin, K.I. Meyer, T.B. Forsh, N.P. Predtechensky, I.P. Sidorychev, E. Perfil'ev, V.N. Sukachev, N.A. Konovalov, V.A. Povarnitsyn, P.V. Tikhomirov, E.V. Ivanov and other researchers took part. This field work, carried out in 1925 and in the following years, made it possible to obtain unique data on the ecosystem of Lake Baikal.

Please register on-line at <http://lin.irk.ru/8vbc/en/registration/online>.

Address of Organising Committee:

Limnological Institute SB RAS, 3, Ulan-Batorskaya St., Irkutsk

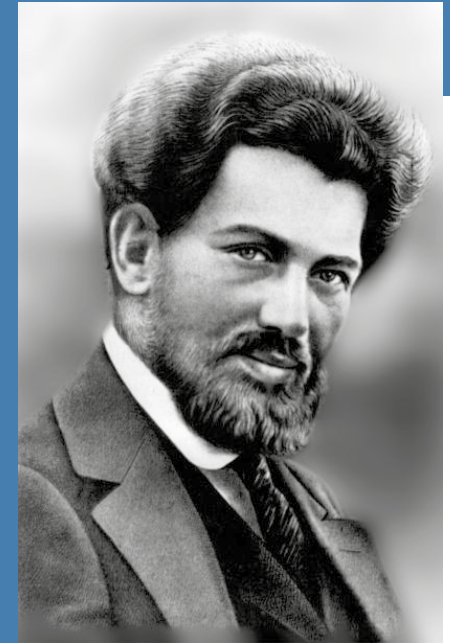
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Dr.Sc.(Geography), Professor  
Gleb Yu. Vereshchagin  
(1889-1944)

Outstanding explorer of Lake Baikal, eminent  
limnologist, founder and the first director of  
Baikal Limnological Station.



Limnological Institute  
Siberian Branch of the Russian Academy of  
Sciences  
<http://www.lin.irk.ru/en>



Molchanov-Sibirsky Irkutsk Regional State  
Multipurpose Scientific Library  
<http://www.irklib.ru>

# Scientific issues to be discussed:

- **Section 1.** Biological water resources and their rational use;
- **Section 2.** Current critical factors of natural and anthropogenic origin;
- **Section 3.** Molecular ecology of hydrobionts;
- **Section 4.** Gas hydrates and other hydrocarbons in freshwater bodies;
- **Section 5.** Cycles of organic matter and nutrients;
- **Section 6.** Hydrological and hydrophysical processes and their effect on the state of aquatic environments;
- **Section 7.** Approaches and methods for direct and remote control monitoring of the aquatic environment;
- **Section 8.** Atmospheric aerosol and exchange processes in the atmosphere-water surface-biota system.

## Forms of participation:

We kindly remind that the Organizing Committee offers 2 forms of participation in the Conference:

- **Oral presentation** – in person or on-line (10 minutes for presentation and 5 minutes for questions);
- **Poster presentation** – in person (poster size – 70 cm x 120 cm, vertical) or on-line (online poster size – 70 cm x 120 cm, vertical, pdf) at <http://www.lin.irk.ru/8vbc/en/poster-section>.

Go to the “Poster Session” tab. Log in using the following username and password:

Username: [poster](#), Password: [vbc2025](#).

Please send the e-version of your poster to email [vconference@mail.ru](mailto:vconference@mail.ru) by September 1, 2025 with the subject line «POSTER\_FULL NAME»).

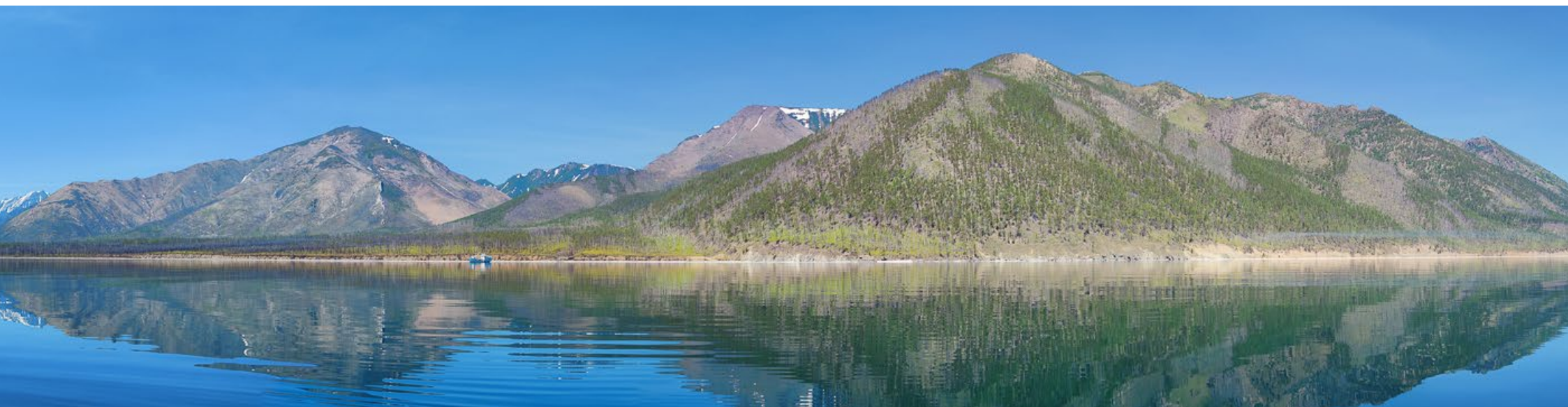
## Files for downloading:

Scientific programme of the Conference:

[http://lin.irk.ru/8vbc/files/program\\_vbc2025.pdf](http://lin.irk.ru/8vbc/files/program_vbc2025.pdf)

Scientific programme of the Baikal School of Young Scientists:

[http://lin.irk.ru/8vbc/files/program\\_bsyst\\_en.pdf](http://lin.irk.ru/8vbc/files/program_bsyst_en.pdf)



# Conference Abstracts and Special Issues

## Conference Abstracts

The e-version of the book of the Abstracts will be posted on the main page of the Conference (<http://lin.irk.ru/8vbc/en/>) before the event. Then the Abstracts will be registered in the Russian Science Citation Index Platform [RCSI].

## Limnology and Freshwater Biology

The articles will be published on August 31, 2025, in the special issue of the journal «Limnology and Freshwater Biology» [Scopus], <http://limnolwbiol.com/index.php/LFWB/issue/view/46>.



## Journal of Great Lakes Research

Please note that the deadline for manuscripts submission has been extended until **December 1, 2025**. JGLR [WoS, QI] accepts articles that will be distributed according to the topic of the «Special Sections». Articles prepared in accordance with the journal guidelines (<https://www.sciencedirect.com/journal/journal-of-greatlakes-research/publish/guide-forauthors>) will be accepted through the journal website. When submitting an article to the journal via the official website, please select the special issue of our conference «SI: Lake Baikal 2025» in the Select Article Type tab.



## Registration fee

Full participation	5000 ₺
Students and postgraduates, accompany person	2500 ₺
Absentee participation with abstract publication and poster presentation	500 ₺

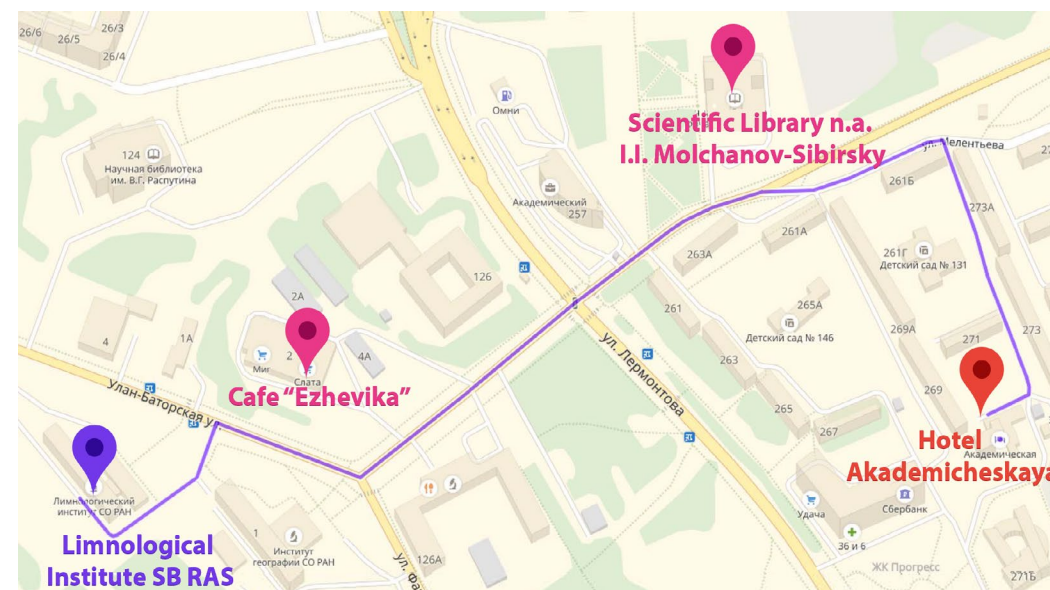
Payment of the registration fee by foreign citizens will be made in roubles on the first day of the conference at the registration desk. The registration fee includes participation in all sessions, educational Youth School sessions, conference material package and coffee breaks.

For additional information, please contact the Conference organizing committee: [vconference@mail.ru](mailto:vconference@mail.ru).



## Venue

Plenary sessions and lectures will be held in the LIN SB RAS conference hall [3, Ulan-Batorskaya St., Irkutsk, +7 [3952] 42-26-95] and Molchanov-Sibirsky Irkutsk Scientific Library [253, Lermontov St., Irkutsk, +7 [3952] 48-66-80].



Location map of LIN SB RAS, Molchanov-Sibirsky Library and the nearest hotels and cafes. Hotel reservations are made independently by the conference participants.

Taxi services in Irkutsk:

Yandex Go +7[3952]22-42-24;

Taxi 222-222 + 7 [3952] 222-222.

# Baikal School of Young Scientists



Baikal School of Young Scientists (BSYS-2025) will be held within the framework of the Conference. BSYS-2025 will include hands-on classes, including sequencing (Sanger and NGS) with the participation of the Scientific and Production Company «Sintol»: <http://lin.irk.ru/8vbc/en/for-young-people/youth-school>

In addition, the traditional School Section will be organized for schoolchildren in grades 6-11, who carry out research work under guidance of teachers: <http://lin.irk.ru/8vbc/ru/youth/school-section>



## **Day 1.** Preparation of samples for sequencing and fragment analysis of DNA

- Sample preparation and DNA extraction from samples of various fish species using the DNA MAG Isolation Kit reagent kit on the Kolibri automatic station;
- Determination of DNA concentration on Qubix using the SinQuant HS DNA, SinQuant BR DNA kits;
- PCR setup, analysis of the obtained amplicons using electrophoresis, their enzymatic purification on magnetic particles.
- 

## **Day 2.** DNA sequencing by the Sanger method

- Setting up a sequencing reaction with labeled terminators, cleaning the obtained samples using reagents from the kit for establishing the taxonomic affiliation of objects of animal origin by sequencing the COI region of mtDNA and loading into the NanoFor 05 genetic analyzer [GenSeq DNA sequencing and SeqMag purification reagent kit];
- Working with the obtained nucleotide sequences in the Mutation Surveyor program.

## **Day 3.** DNA fragment analysis

- Setting up PCR using the GenExpert-Osetr reagent kit for genetic certification and determining the relationship of sturgeon fish by multiplex amplification of 7 STR loci, followed by analysis of the lengths of PCR products using capillary electrophoresis on the NanoFor 05 genetic analyzer;
- Working with the obtained data in the GeneMarker program.

## **Day 4.** Preparation of NGS libraries

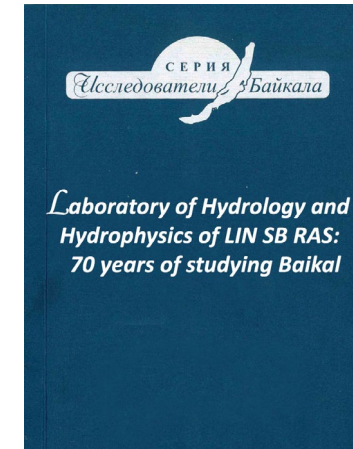
- Purification of DNA before library preparation;
- Preparation of Illumina type libraries [NanoFor SPS] using a rapid protocol with tagging [Sintera reagent kit];
- Control of the quantity and quality of the resulting libraries (PCR curve analysis, fluorimetrically, electrophoresis in ND conditions on NanoFor 05 and/or classical electrophoresis in agarose gel).

## Presentation of the Book from the Series «Baikal Explorers»

The book "Laboratory of Hydrology and Hydrophysics of LIN SB RAS: 70 Years of Studying Baikal" will be presented at the Conference in collaboration with Baikal Museum SB RAS.

The book presents the history and stages of the work of the Laboratory of Hydrology and Hydrophysics. The following periods are covered:

- hydrological and hydrophysical studies carried out by the Baikal Limnological Station (BLS) before the establishment of the laboratory (1928-1951);
- studies within the group and then the Laboratory of Hydrology and Hydrophysics, organized as part of the BLS (1952-1961);
- studies of the Laboratory as part of Limnological Institute (1961 - 1990);
- the current stage of the Laboratory of Hydrology and Hydrophysics.



## Workshop «Innovations in ichthyology: from theory to practice»

The aim of the Workshop is to discuss modern approaches in the field of experimental ichthyology, issues of replenishment of the natural fish populations, biodiversity conservation and issues of increasing the efficiency of aquaculture practices.

The seminar and round tables are devoted to the following issues:

- «Problems of monitoring the abundance and biomass of fish»  
[September 8, 14:00-18:00].
- «Artificial reproduction, aquaculture problems»  
[September 10, 14:00-18:00].
- «Biological and ecological problems of cottoid fishes [Cottoidei]»  
[September 11, 14:00-18:00].
- «Genetic and ecological aspects of different fish populations and species»  
[September 12, 14:00-18:00].

# The programme of the 24th Baikal International Film Festival «Man and Nature» named after V.G.Rasputin

The conference is one of the official venues of the film festival (<https://baikalkinofest.ru/eng>). The films are presented by the festival program director Elena Utrobina.

**September 8, Monday (19:30-20:00)**

## Miry on Baikal. 15 years later

Russia, 2022 | 22 min

Director: **Vladimir Marin**

A popular science film about the arrival of the scientific leader of the expedition and one of the creators of «Miry» Anatoly Sagalevich to Lake Baikal. In 2025, it will be 17 years since people first descended to the maximum depth of the deepest lake on the planet. The «Miry on Baikal» expedition fantastically expanded scientific knowledge about this amazing freshwater lake.

**September 9, Tuesday (19:00-20:00)**

## The Baikal Seal and the Man

Russia, 2025 | 41 min

Director: **Nikita Bulanov**

In the heart of Siberia, deep within the ancient waters of Lake Baikal, lives a mysterious guardian of its ecosystem – the Baikal seal. This unique species of seal is found nowhere else on Earth and serves as a living barometer of the lake's ecological health. Every fluctuation in the underwater world, from the tiniest algae to schools of fish, echoes in the fate of the seal, whose presence touches every layer of this fragile natural hierarchy.

**September 10, Wednesday (19:00-19:30)**

## Rings of the interseason.Baikal

Russia, 2023 / 25 min

Director: **Vladimir Marin**

A camp of scientists in the middle of the expanses of frozen Lake Baikal. The depth under the tent is more than one and a half kilometers. Work is going on day and night. The purpose of scientific research is to unravel the origin of giant ice rings, which have been of interest to scientists for decades. Nevertheless, there is no fiction, everything here is real, and the efforts of enthusiasts in their field must necessarily be rewarded with new discoveries. The solution to one of the mysteries of Lake Baikal is getting closer.



# Excursion programme

## Bus tour around Irkutsk

[September 9, 2025]

**14:00-17:00**

Registration is complete.

Payment is included in the registration fee.



## Excursion to Limnological institute

[September 9-10, 2025]

**18:00-19:00**

Registration at - <https://forms.gle/yMthgoCJJ3AD9Jw57>  
[indicate the full name of the participant].

Payment is included in the registration fee.



## Excursion to the I.I. Molchanov-Sibirskiy Irkutsk Scientific Library

[September 10-12, 2025]

**14:00-15:00**

Registration at - <https://forms.gle/8Jg9WhdigKKsvIUUA>  
[indicate the full name of the participant].

Payment is included in the registration fee.



# Excursion programme

## One-day boat trip to Lake Baikal

[September 13, 2025]

**08:00-19:00**

Registration is complete.

Includes an organized trip from the LIN SB RAS to Listvyanka settlement  
(Location: 73 km from Irkutsk along the Baikal Highway).

- excursion to the Baikal Museum (Listvyanka settlement) Payment is included in the registration fee;
- excursion on the research vessel of LIN SB RAS to Bol'shiye Koty settlement (stationary LIN SB RAS)  
The cost is 1,500 rubles (including meals). Payment is made upon registration [September 8, 2025];
- excursion to the Baikal Aquarium, «Nerpinarium» (Listvyanka settlement) Payment is included in the registration fee.

<b>08:00</b>	Departure from LIN SB RAS to Listvyanka settlement
<b>09:00-11:00</b>	Excursion to the Baikal Museum (Listvyanka settlement)
<b>11:30</b>	Departure to Bol'shie Koty settlement
<b>13:00-14:00</b>	Lunch (Bol'shie Koty settlement)
<b>14:00-15:00</b>	Free time in Bol'shie Koty settlement
<b>15:00</b>	Departure from Bol'shie Koty to Listvyanka settlement
<b>16:00-17:00</b>	Excursion to Baikal Aquarium, «Nerpinarium» (Listvyanka settlement)
<b>17:00-18:00</b>	Free time in Listvyanka settlement
<b>18:00</b>	Departure from Listvyanka settlement to Irkutsk

## Free day

[September 14, 2025]

You can organize the following trips:

- Jeep tour to autumn Baikal [September 12-14] (<https://baikaltravelers.com/summerciteybrake/>),
- Circum-Baikal Railway (<https://baikaltrain.ru/reservation/>),
- Taltsy Architectural and Ethnographic Museum (<https://talci-irkutsk.ru/>),
- XX International Music Festival «Stars on Baikal» [September 2-18]  
(<https://imt38.ru/news-item/khkh-mezhdunarodnyy-festival-zvezdy-na/>) with Denis Matsuev,
- Irkutsk Drama Theater (<https://www.dramteatr.ru/>),
- Irkutsk Planetarium (<https://irkplanetarium.com/>),
- Cable car to the village. Listvyanka (<https://baikalgora.ru/>).



## Banquet

[September 12, 2025]

**19:00-23:00**

Chickeast Bar, Angara River Embankment, Gagarin Blvd., 44.

Registration at

<https://forms.gle/Rhzm678doJXzITm7A> (indicate the full name of the participant)

The cost is 4000 rubles (including meals).

Payment is made at registration [September 8, 2025].



## Sponsors of the Conference



Autonomous non-profit organization «RODNIK»



Baikal Seal Aquarium



Russian Railways



Baikal Museum SB RAS



Baikal International Film Festival  
«People and Environment»