



Major trends of research:

- water resources of Siberia: formation, monitoring and use (on the basis of basin approach);
- development of scientific bases for environment conservation and nature management with due regard for anthropogenic factors and climate change.

Institute is involved in applied investigations within the framework of federal and integrated regional programs. Annually, about 50 agreements on nature management and water-related issues are concluded.



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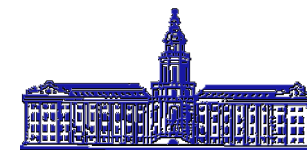
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IWEP



**Institute for Water and Environmental Problems,
Siberian Branch
of the Russian
Academy of
Sciences**

(IWEP SB RAS)

Barnaul — 2018

Historical Landmarks

Institute for Water and Environmental Problems SB RAS was founded in 1987.

The necessity of IWEP foundation stems from the fact that SB RAS had need for establishment of research center called to extend and thereafter to coordinate study of environmental problems, conservation of water and other natural resources as well as their management.

Academician Oleg F. Vasiliev was the first Director-organizer of the Institute. From 1995 to 2016 Prof. Yuri I. Vinokurov heads the IWEP SB RAS. Since 2016 Prof. Alexander V. Puzanov become director of the Institute.

Major Projects

- ◆ Environmental impact assessment of construction of large hydroelectric stations;
- ◆ Environmental support of rocket and space activities (Baikonur, Vos-tochniy, Plesetsk cosmodromes);
- ◆ Environmental impact assessment of nuclear tests at the Semipala-tinsk nuclear test site;
- ◆ Research of the current environ-mental state and functioning of the water management complex in the Ob-Irtysh river basin.

Structure

- ◆ Gorno-Altaiisk Branch
- ◆ Novosibirsk Branch
- ◆ Laboratory of Aquatic Ecology
- ◆ Laboratory of Atmosphere-Hydrosphere Physics
- ◆ Laboratory of Biogeochemistry
- ◆ Laboratory of Geocological Systems Modeling (Kemerovo)
- ◆ Laboratory of Hydrology and Geoinformatics
- ◆ Laboratory of Landscape-Water-Ecological Prob-lems and Nature Management
- ◆ Laboratory of Water Resources and Water Use
- ◆ Chemical-Analytical Center

International Collaboration

Institute works on many international scientific projects, such as:

- ◆ Interdisciplinary project KULUNDA: How to pre-vent the next "Global Dust Bowl"? – Ecological and Economic Strategies for Sustainable Land Management in the Russian Steppes: A Potential Solution to Climate Change (Russia-Germany);
- ◆ Dutch-Siberian scientific cooperation in the field of water and environmental problems (Russia-Netherlands);
- ◆ International project "ICE MEMORY" (France, Italy, Switzerland, the United States, China, Bra-zil, Russia, etc.).

Every year the Institute organizes and holds a number of national and international scientific events where the researchers and experts from Asia, Europe and USA make their presentations.

Institute today

At present 169 scientists and engi-neers are involved in research including 18 Doctors of Science and 50 scientists with PhD.

Every year 10-20 author's and collec-tive monographs are published. About 100 papers are published in reviewed journals including the foreign ones. A number of certificates of computer pro-gram development are obtained.

Scientific investigations carried out by researchers from IWEP are support-ed by Russian and foreign foundations.

Alongside with research activity the Institute gives much consideration to the training of skilled specialists. There are full-time postgraduate and postdoc-toral courses on following specialities:

- ◆ Physical geography and biogeogra-phy, soil geography and geochemis-try of landscapes;
 - ◆ Land hydrology, water resources, hydrochemistry;
 - ◆ Physics of atmosphere and hydro-sphere;
 - ◆ Geoecology;
 - ◆ Ecology.
- The Dissertation Council on two spe-cialities works at the Institute:
- ◆ Land hydrology, water resources, hydrochemistry (technical sciences);
 - ◆ Geoecology (geographical sciences).
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