

## **Report**

on the activities of HYDROLARE

in 2008

In 2008 the preliminary phase of HYDROLARE creation was finished. The first phase of HYDROLARE activity was began since 01.01.2009.

During 2008 two main directions of HYDROLARE activity were realized:

- data base projecting and formation;
- creation of organizing basement of HYDROLARE.

Within the first direction the projecting of the initial variant of data base was finished. An Access software was used for this purpose. The encoding system for water bodies and gauge stations was worked out using the WMO regionalization. Two types of information: metadata and data of observations are presented in the data base. Metadata consists of geographical, hydrographical, morphometric characteristics for lakes and reservoirs and projecting data for reservoirs. Such hydrological characteristics as mean monthly water levels, mean monthly and maximum water temperature and maximum ice cover thickness are foreseen within the data base.

During 2008 were prepared and loaded into the prototype of data base:

- metadata for lakes and reservoirs of Russia and former USSR countries;
- historical observational data on water level for lakes and reservoirs of Russia and former USSR countries (largest lakes and reservoirs).

The first test operation of HYDROLARE was made in the middle of 2008. Its efficiency was confirmed. In 2009 a data preparation and loading into the data base is continuing.

Within the second direction the Agreement between Roshydromet and WMO on the establishment of HYDROLARE was signed in WMO headquarter on 20 June 2008. In the Agreement a status of HYDROLARE, a sphere of its activity, responsibilities of sides and

other position are described. The special logo of HYDROLARE was issued. Web-site of HYDROLARE ( [www.hydrolare.ru](http://www.hydrolare.ru) ) was established.

The special Questionnaire on hydrology of lakes and reservoirs for HYDROLARE was distributed via WMO across WMO member-states. Answers from 45 countries were received at the beginning of 2009. 32 countries agreed to exchange data with HYDROLARE.

In the period 15-17 July 2009 the second meeting of the Steering Committee for HYDROLARE will be held in the State Hydrological institute, St.Petersburg, Russia.