

# Website management and technology development

- ❖ A data retrieval technology for displaying regularly updated information about the database content on the Website was developed. The technology involves a specialized server-based database connected to a data retrieval system. The database holds, in particular, names and coordinates of objects (WMO regions and subregions, WMO Members, water bodies and gauging sites) as well as information about availability of data from gauges and posts. The hierarchically based data retrieval system provides a way to search objects by name, indicate them on Google Maps and display information on the Website. The information is updated using special server-based program integrated with the HYDROLARE database.
- ❖ The Website was totally upgraded

The screenshot displays the HYDROLARE website interface. At the top, the logo for HYDROLARE is visible, along with the text 'INTERNATIONAL DATA CENTRE ON HYDROLOGY OF LAKES AND RESERVOIRS'. Below this, there are navigation tabs for HOME, NEWS, DATA, REPORTS, and CONTACT. The main content area is divided into a left sidebar and a central map area. The sidebar contains a search box for 'Stations' with a list of results including 'Ik. Baikal - s. Tunka', 'Ik. Baikal - g. Baikalsk', 'Ik. Baikal - r.p.', 'Ust'-Baiganin', and 'Ik. Baikal - s. Sukhsia'. Below this, there is a section for 'Baikal' with details about the Russian Federation and Lake Baikal, including a table for 'Annual water body averaged data' and 'Annual data at stations'. The central map area shows a satellite view of Lake Baikal with several blue dots representing gauging stations. A pop-up window for the 'Ik. Baikal - gm. st. Tompa' station is open, displaying a table of 'Annual data'.

Annual data	
Level	no
Temperature	no
Ice	no

Information on data available in the database on the Centre's web-site

HYDROLARE

INTERNATIONAL DATA CENTRE ON  
HYDROLOGY OF LAKES AND RESERVOIRS

HOME NEWS DATA REPORTS CONTACT

Regions:  
Africa  
Asia  
Europe  
North America  
South America  
South-West Pacific

countries  
 subregions

Select

Map Satellite Hybrid

1000 mi  
2000 km

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Example of Webside page

## Visit to the Global Runoff Data Centre (GRDC)



A visit of the HYDROLARE staff to GRDC, Koblenz, Germany, took place from 15-18 June 2010. During the meeting, the HYDROLARE representatives exchanged experience with their colleagues from GRDC. Discussed were issues of database support and development, data provision and acquisition, generation of information products, Website management etc.



## HYDROLARE – GRDC Workshop

15 – 18 June 2010  
Koblenz, Germany



Workshop Notes: Final Version 2010-09-07

### 1. Location and time

The joint HYDROLARE- GRDC Planning Workshop was held from 15 – 18 June 2010 in the Conference facilities of the Federal Institute of Hydrology (BfG).  
On 17 June a joint excursion was held to tourist attractions in the vicinity of Koblenz (Maria Laach and Lava-Dome Museum in Mendig), allowing additional time for discussions in a more relaxed environment.

### 2. Participants

Valery VUGLINSKIY	Acting Director, HYDROLARE, Deputy Director for Science (SHI)
Sergej GUSEV	Deputy Chief, Water Cadastre Department
Vadim SHUMILIN	Senior Scientist Water Cadastre Department
Vasily NOSOV	Engineer, HYDROLARE
Ulrich LOOSER	GRDC, Head
Inna DORNBLUT	GRDC, Deputy Head
Thomas DE COUET	GRDC, GIS Specialist
Johannes PAULER	GRDC, Database Administrator

### 3. Opening and adoption of the agenda

The joint HYDROLARE – GRDC Planning Workshop was opened by Ulrich Looser and he chaired the workshop and offered to prepare the workshop notes.

The agenda was adopted with the understanding that thematic areas will be discussed after the presentations from HYDROLARE personnel and that additional points can be added to the discussion at any stage.

Valery Yuglinskiy informed the participants that a document has been prepared on the current status of the HYDROLARE implementation. This document has been sent to Roshydromet for scrutiny and approval. Once the document has been accepted by Roshydromet, funds for staff allocation to HYDROLARE will be made available. At this stage there is no official HYDROLARE staff and all developments and activities in connection with HYDROLARE are done by the Water Cadastre staff over an above their normal work load.

## Preparation of top priority information products



### International Data Centre on Hydrology of Lakes and Reservoirs (HYDROLARE)

POLICY GUIDELINES FOR THE DISSEMINATION OF DATA BY INTERNATIONAL  
DATA CENTRE ON HYDROLOGY OF LAKES AND RESERVOIRS  
(HYDROLARE)



SHI  
2010



### International Data Centre on Hydrology of Lakes and Reservoirs (HYDROLARE)

DATABASE  
OF THE INTERNATIONAL DATA CENTRE  
ON HYDROLOGY OF LAKES AND RESERVOIRS



SHI  
2010



## Collection of data on hydrology of lakes and reservoirs of WMO member-countries as of 01.02.2011

Europe			
ARMENIA	<input type="checkbox"/>	<b>MOLDOVA</b>	<input checked="" type="checkbox"/>
AUSTRIA	<input checked="" type="checkbox"/>	ROMANIA	<input checked="" type="checkbox"/>
<b>AZERBAIJAN</b>	<input checked="" type="checkbox"/>	SERBIA	<input checked="" type="checkbox"/>
<b>BELARUS</b>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	SLOVENIA	<input checked="" type="checkbox"/>
CYPRUS	<input checked="" type="checkbox"/>	SPAIN	<input checked="" type="checkbox"/>
ESTONIA	<input type="checkbox"/>	SWEDEN	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
FINLAND	<input checked="" type="checkbox"/>	SWITZERLAND	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
HUNGARY	<input checked="" type="checkbox"/>	<b>UKRAINE</b>	<input checked="" type="checkbox"/>
Asia			
HONG KONG	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	MONGOLIA	<input checked="" type="checkbox"/>
INDIA	<input checked="" type="checkbox"/>	OMAN	<input type="checkbox"/>
<b>KAZAKHSTAN</b>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<b>TAJIKISTAN</b>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
<b>KYRGYZSTAN</b>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	UZBEKISTAN	<input type="checkbox"/>
Africa			
MALI	<input checked="" type="checkbox"/>	ZAMBIA	<input type="checkbox"/>
TANZANIA	<input checked="" type="checkbox"/>		
North America, Central America and the Caribbean			
ANTIGUA AND BARBUDA	<input checked="" type="checkbox"/>	DOMINICA	<input type="checkbox"/>
BELIZE	<input checked="" type="checkbox"/>	MEXICO	<input checked="" type="checkbox"/>
CANADA	<input checked="" type="checkbox"/>		
South America			
CHILE	<input checked="" type="checkbox"/>	COLOMBIA	<input type="checkbox"/>
South-West Pacific			
AUSTRALIA	<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/> – request sent		<input checked="" type="checkbox"/> – data received	

