



## **XXVII Danubian conference on hydrological forecasting and hydrological bases of water management**

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Cooperation of the Danubian countries in the area of hydrology started in 1961, hosting the first conference on hydrological forecast in Budapest. The conference took place even before the International Hydrological Decade was proclaimed (1965-1975), a 10-year program that provided an important stimulus to international collaboration in hydrology, and before the International Hydrological Programme of UNESCO was established. Since 1975, cooperation has been conducted within the framework of the International Hydrological Programme (IHP) of UNESCO. The XXVII conference is in series of biennial conferences alternately held by the Danubian countries.

In 2014 the VIII phase of the IHP of UNESCO started with the main topic "*Water security: Responses to local, regional, and global challenges*". To deal with these complex, rapid environmental and demographical changes (e.g. population growth and vulnerability to hydrological disasters, global and climate changes, uncontrolled urban expansion, and land use changes) holistic, multidisciplinary and environmentally sound approaches to water resources management and protection policy are necessary.

Water security in IHP VIII is defined as the capacity of a population to safeguard access to adequate quantities of water of acceptable quality for sustaining human and ecosystem health on a watershed basis, and to ensure efficient protection of life and property against water related hazards - floods and droughts.



The XXVII Conference of Danubian Countries was held from 26 to 28 September 2017, in Golden Sands, Bulgaria. It has been organized jointly by the Bulgarian National Committee for the International Hydrological Programme of UNESCO, under the support of UNESCO Regional Bureau for Science and Culture in Europe (Venice, Italy) and the National

Institute of Meteorology and Hydrology – Bulgarian Academy of Sciences.

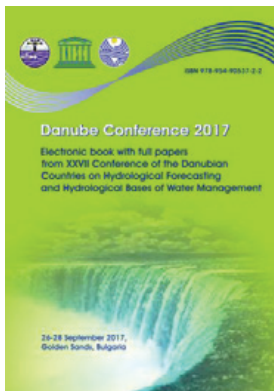
The conference gathered more than 187 participants from 19 countries from the Danube River Basin.

The traditional structuring into the following eight topics has been maintained: *Basis of hydrology; Hydrological data management; Hydrological modeling and forecasting; Disaster events; Administrative structures for water management; River Basin and Water Management; Water quality and pollutants; Ecohydrology*. As usual an International and a Local Scientific Commission carried out the scientific assessment and selection of the contributions and posters proposed.



The conference was opened by the President of the Bulgarian Academy of Sciences – academician Julian Revalski. Welcome addresses were presented by: the National Assembly of Republic of Bulgaria, Committee of Environment and Water in face of Mrs. Ivelina Vasileva; from the Ministry of Environment and Water – Deputy Minister Mrs. Atanaska Nikolova; regional authorities and etc.

In plenary session the colleagues from National Committees for IHP addressed topics that could strengthen the cooperation of Danube countries. The plenary speeches were given by representatives of IHP from Slovenia, Austria, Slovak Republic and Serbia.



The results of the conference, achieved through the presentations and participation in plenary, oral and poster sessions, are summarized in the e-book: “Electronic book with full papers from XXVII Conference of the Danubian Countries on Hydrological Forecasting and Hydrological Bases of Water Management“, ISBN 978-954-90537-2-2. We hope that they will have stimulated further research and debate on the topics of hydrology.

As organizers of the XXVII Conference of the Danubian countries on Hydrological forecasting and hydrological bases of water management, we expect that the tradition of the Danube Conferences will continue, because this is unique scientific hydrological forum in the region in the framework of IHP with UNESCO. We hope that Bulgaria as sequent organizer fulfilled successfully its duty for conservation of this tradition.

For more information visit [www.danubeconference2017.org](http://www.danubeconference2017.org)

Bulgarian National Committee of IHP with UNESCO  
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