



DANUBE CONFERENCE 2019

**XXVIII CONFERENCE
OF THE DANUBIAN
COUNTRIES ON HYDROLOGICAL
FORECASTING AND HYDROLOGICAL
BASES OF WATER MANAGEMENT**

Kyiv, Ukraine
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BOOK OF ABSTRACTS

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IMPLEMENTATION OF THE WATER FRAMEWORK DIRECTIVE IN ODESSA REGION

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The water management system of Odessa region is realized in the context of object using the basin principle. The basin management principle is a modern approach to water management, according to which the basic unit of management is the river basin area.

Presently, Basin Water Management Department (BWMD) of the Black Sea and the lower Danube are established and function, and the Basin Council of the Black Sea Rivers was established in October 2018.

The importance of such formation as The Basin Council is, first of all, in the implementation of the principles of basin water management. It is the goal of the Water Framework Directive (accepting it, Ukraine realizes the intention of joining the EU). The main aim of the Council is implementing the principles of integrated water resources management in river basins by taking coordinated decisions on water management policy for the basin with involvement in the management of local authorities in the use and protection of water resources, public and environmental organizations and research institutions.

The system analysis of the current status of river basins in Odessa region and the organization and management of water resources permitted to outline the most actual problems that need to be solved, namely:

- The Expansion of activities of basin water management and its approach to water use within the Framework Water Directive;
- The work improvement concerning the water quality control in rented reservoirs;
- The monitoring of condition of lakes, lakes-estuaries, taking into account the geological, hydrogeological, engineering-geological, hydrogeochemical and environmental component;
- The participation in the Black Sea basin's medium and small rivers certification;
- The study of possible excessive water loss from the reservoirs. It explains causes, consequences, solutions and minimizes the flow of public and private funds (Koziysky, Nerushaysky, Dmitrovsky and Baraboysky reservoirs).
- The adaptation of current legislature to the conditions of transition to state water management by basin principle and adaptation of regulations concerning the transboundary flood forecasting as well as dry years and of accounting and water monitoring regulations;
- The development of necessary regulatory and methodological documentation concerning the new administration, and the reform of existing ones;
- The Drafting development of state, basin (including interstate) and regional programs concerning the water use and protection;
- The development of the draft management plan of water use, protection and recovery of water resources.
- At present global and regional climate change is increasingly evident in all areas, including the hydrological regime of rivers, so their program of strategic development within the Odessa region, which is currently absent, must be developed.

Keywords: water resource management, Framework Water Directive, Odessa region