

## Water Research Institute

### (Výskumný ústav vodného hospodárstva)

## SLOVAKIA

Water Research Institute is the only organization in Slovakia conducting comprehensive water management research and other related activities resulting from the needs of water sector in the Slovak Republic. Its main activities are aimed at research and development, expertises, professional water management consulting services and solutions for water management and ecological problems.

Research activities embrace:

- Quantitative and qualitative water management balance, regulation of discharge conditions, water management in geographic and local administration units, examination of protection and use of water resources, water monitoring, and technology of water and wastewater treatment
- Solving complex scientific - research issues concerning quantitative and qualitative water management balance, regulation of discharge conditions, water management in geographic and local administration units
- Examination of protection and use of atmospheric, surface and ground water resources - scientific research, methodological, expertise activity; monitoring and professional consulting in hydrology and hydraulics, quality and technology of water and wastewater treatment
- Scientific research, expertise and other activities based on the activities of the National Water Reference Laboratory in Slovakia
- International scientific - technical and expert cooperation
- Processing supporting materials of comprehensive strategy, framework and long-term prospective of water management development in the Slovak Republic.
- Elaboration of water management planning documents
- Processing the framework and development of database systems of water management; balance mathematical, economic and legislative tools
- Observation control of methodological, technological processes and standards
- Elaboration of flood protection concepts in the territory of the Slovak Republic
- Preparation of inundation territory maps, risk maps and level regimes on water courses.

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