## **KNOWLEDGE TECHNOLOGIES IN WATER RESOURCES MANAGEMENT** P. Mikulecký, K. Olševičová and D. Ponce

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Typical expert tasks: current basin model set-uo, manipulation formulation

Used information: reservoir and basin state, weather forecast, manipulation requirements and objections

<u>Used knowledge</u>: Reservoir dynamics, heuristic dynamics of water basin and local weather, hydrological and meteorological data interpretation, reservoir operation guide and heuristic operation rules



**Results** 

•Reusable knowledge-based model of water reservoir operation created

Design of knowledge-based model of water reservoir operation exploiting information technologies
Formulation of knowledge management goals of oragnization operation enabling effective integration of decision support system integration