Problem characteristics in numbers
Average annual flow: 1.45 m³/s – 5.85 m³/s
Q_{364} daily flow: 0.24 m³/s – 0.64 m³/s
Q_{30} daily flow: 2.94 m³/s – 12.90 m³/s
Flow times res. Nýrsko – Plzeň: Q_{180}: 3.8 days (91 h), Q_{355}: 5 days (120 h)
Water take: res. Nýrsko (0.135 m³/s), waste water plant Plzeň (0.58 m³/s)

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

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

Used knowledge: 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 organization operation enabling effective integration of decision support system integration