

HAMR: ONLINE DROUGHT MANAGEMENT SYSTEM – OPERATIONAL MANAGEMENT DURING A DRY EPISODE

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Increasing occurrence of drought periods in the Czech Republic has highlighted a necessity of legislation modification. At the same time, a need has emerged for tools supporting decision making and water resources management at various levels during the drought periods. The general principles of proposed tool/system are described in the present paper. The system is based on the coupling of models for soil water, hydrological and water resources balance. These models, together with input climate data, are capable of representing meteorological, agricultural and hydrological drought. The system will provide information on current and medium range forecast of water resources state. This will form a basis for operational water resources management.