



# NARIC ÖVKI Agricultural Water Management R&D&I

## Research Priorities:

- research for reduction of the negative impacts of climate change;
- research on adaptation possibilities to extreme hydrological events (excess water, drought);
- research on the Hungarian irrigation status and potential development;
- complex research on excess water management, assessment of excess water hazard, land use development possibilities;
- GIS-based mapping;
- defining the role of agricultural water management in environmental protection, nature conservation and socio-economy;
- evaluation of positive and negative external effects of agricultural water management;
- research on the relationship between EU WFD and agricultural water management;
- research of the role of agricultural water management on wetlands in maintaining the context of ecosystem services;
- research on the possibilities of recycling water for agricultural use;
- building of Agricultural Water Management Database.

# NARIC ÖVKI Irrigation farming R&D&I

## Research Priorities:

- effective utilization of plant-based irrigation technologies (cereal crops, plantations)
- research on agricultural originated waste water usage for irrigation in energy plantations
- development of new technologies of water-saving irrigation (aerobic rice, aquaponics)
- nutrient cycles in the plant-soil-water system
- unravelling the accumulation of toxic elements in the agro-ecosystem.

