# **NARIC** Research Department of Irrigation and Water Management (ÖVKI)

สำนักบริหารจัดการน้ำและอุทกวิทยา ฝ่ายบริหารทั่วไป งานธุรการ ที่ สบล... 5573 วับที่ 25 ก. ค. 59 (14.36)

The aims of the NARIC ÖVKI are now the revitalization of prior high-level research programmes and starting up-to-date research and innovation projects in the field of agricultural water management, irrigation and rice breeding.

### R&D&I priorities:

- Agricultural water management
- Irrigation farming
- Rice research and -breeding

#### Infrastructure:

- NARIC ÖVKI Laboratory for Environmental Analytics
- NARIC ÖVKI "Galambos" Rice Research Station
- NARIC ÖVKI Lyzimeter Research Station
- NARIC ÖVKI Radiological Research Station

Per wo. Der osuman Dorsms asias sudo NARIC rond: molding sid かりかいからいっちん、メタンスと xoo x を xoo x を xoo. פענה משר אין אין לו בא בא מושו באו מושו מושו 27888 mins fic sound haring 1de Tan msg 1152 18597 1142 m ana Sa 2 20 A. ありなびしの: Jmsul: guts wry (132 No No. Obe 

wx. vo mely 5 m 4 00.59 かんないるのりのあいれん

## 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.



