

**Karoly BODNAR**

*Institute of Irrigation and Water Management, Szent Istvan University, Szabadsag 1-3. H-5540 Szarvas, Hungary*

The aim of the work was to compile a short summary and thought-provoking writing to provide a complex and integrated approach for agricultural water management education.

### **Target groups and level of education**

- Undergraduate, graduate and postgraduate students
- Further training of extensionists
- Training for teachers and academic staff
- Training for farmers and other stakeholders
- Demonstrations for administration and professional organizations

### **Program components**

- Assessing the needs of enterprises
- Core concepts of curricula
- The interaction between scientific research and practice
- Important topics (depends on needs):
  - Water sources and capacities
  - Irrigation technologies
  - Legal regulation and sustainability
  - Protection of surface water and groundwater
  - Water demand and wastewater treatment in animal husbandry and local food production
  - Water in rural tourism and recreation
  - Economic impacts

### **Conclusion**

- The primary goal is to change the attitude of the new generation.
- Integrated approach can increase students' motivation by promoting value-added product generation rather than just hazard mitigation.
- The development in education promotes technological innovation and vica versa.
- Continuous communication and knowledge exchange between stakeholders.
- Creating an up-to-date literature on water management.