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УНИВЕРЗИТЕТ У БАЊОЈ ЛУЦИ
UNIVERSITY OF BANJA LUKA

SMART WATER

PROMOTING SMART AGRICULTURAL WATER MANAGEMENT
IN BOSNIA AND HERZEGOVINA

The 1st project promotional brochure



How will education save agriculture (and the world)?

Climate change processes, like global warming and extreme weather conditions, have become the limiting factor in sustainable agriculture in BiH in the past decades.

The main objective of SMARTWATER project is to reinforce new networking, research and S&T cooperation capacities of the University of Banja Luka (UNI-BL), the University of Sarajevo (UNSA) and other connected national institutions, in the field of sustainable agricultural water management and to increase their competency and fund rising skills for a successful participation in the European Union (EU) Research Programs.



networking



smart tools



training



smart irrigation

Main activities

- 3 advanced training courses and 3 summer schools
- 3 post-graduate Master of Science programs and 13 mutual staff exchanges
- Joint research activities
- Specialized, hands-on workshops on R&I funding opportunities
- Development and promotion of smart water management tools
- Preparation of smart scientific strategies

Project objective



Enhance the capacity building of UNI-BL, UNSA and other BiH institutions

Strengthen networking between UNI-BL, UNSA, EU institutions and other BiH and regional (Balkan) institutions



Setting-up a smart scientific strategy in the field of sustainable agricultural water management

Effective smart communication/dissemination strategy for an adequate promotion of the Twinning programme activities



Expected impacts

Increase research and innovation excellence in the field of sustainable agricultural water management

Enhance the reputation, attractiveness and networking channels with national, regional and EU institutions focusing on sustainable agricultural water management

Improve the capacity for participation in the national, EU and internationally competitive research funding in order to succeed in such calls for proposals

Additional benefits

Effective use of a smart irrigation DSS tool for sustainable water and nutrient management

Use of Sentinel-2 and other remote sensing data and tools for data elaboration

Adoption of best management strategies and practices for the adaptation and mitigation of climate change

Realization of the Early warning system for agricultural sector focusing on drought, flood and heat stress

Control and reduction of pollution of land and water resources



SMARTWATER project involve two main BiH educational institutions, [UNI-BL](#) and [UNSA](#), and four international partners, [CSIC](#) from Spain, [ISA](#) from Portugal, [CIHEAM-IAMB](#) and [SYSMAN P&S](#) from Italy.

Partners



**CIHEAM
BARI**



CSIC

CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS



**INSTITUTO
SUPERIOR D
AGRONOMIA**

Universidade de Lisboa

Società
SysMan
Servizi

Informatici

Progetti & Servizi Srl



Target groups

- Academic and non-academic staff at UNI-BL, UNSA and partner institutions;
- Students at UNI-BL, UNSA, partner institutions and other relevant BiH institutions;
- Local/city governments and policy makers in BiH;
- Farmers in BiH, focusing especially on the young generation of farmers;
- Young (early stage) researchers and professionals in agricultural sciences;
- Irrigation organizations and SMEs in BiH;
- Public media users.



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visit www.smartwater-project.eu

Funding Authority:

European Union, European Commission

Topic:

WIDESPREAD-05-2020 - Twinning

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Coordination and Support Action (CSA)

Status:

Implementation (ongoing)

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952396

Project duration:

36 months (01/01/2021. - 31/12/2023.)

Coordinated by:

University of Banja Luka, Faculty of
Agriculture, Bosnia and Herzegovina



Smartwater.eu



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