**Promoting SMART agricultural WATER management   
in Bosnia and Herzegovina - SMARTWATER**

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**The 2nd Summer School**

***Smart technologies and best management practices (technical and practical) for sustainable and eco-efficient agricultural water management***

**- Programme –**

**Sarajevo, Bosnia and Herzegovina**

**July 18 - 22, 2022**

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**PROGRAMME**

**Monday, July 18, 2022**

**Faculty of Agriculture and Food Science, University of Sarajevo (UNSA)**

**(Zmaja od Bosne 8, 71 000 Sarajevo, BiH)**

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| **🕙 CET** | **TOPIC** | **LECTURER(S)** |
| 9:00 - 9:30 | Registration  - UNSA - | All |
| 9:30 – 10:00 | *WELCOME SPEECHES*  Representatives of the University of Sarajevo (UNSA);  SMARTWATER project coordinator (UNI-BL) | |
| 10:00 - 10:30 | Project implementation  - status and perspectives - | **Sabrija Čadro**  UNSA |
| 10:30 - 11:30 | Eco-efficient agricultural water management: concept and application | **Mladen Todorović**  CIHEAM-BARI |
| 11:30 - 12:30 | Coffee break | All |
| 12:30 - 13:30 | Coupling smart technologies and best management practices in agricultural water management | **Mladen Todorović**  CIHEAM-BARI |
| 13:30 - 14:30 | Adoption of DSS for agricultural water management, Blueleaf DSS – technical overview | **Luigi Capodieci**  SYSMAN |
| 14:30 - 15:30 | Blueleaf interactive session with real use case of application | **Luigi Capodieci**  SYSMAN |
| 15:30 - 16:30 | Lunch break | - |

**Tuesday, July 19, 2022**

**Faculty of Agriculture and Food Science, University of Sarajevo (UNSA)**

**(Zmaja od Bosne 8, 71 000 Sarajevo, BiH)**

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| **🕙 CET** | **TOPIC** | **LECTURER(S)** |
| 09:00 - 10:00 | Implementation of River Basin Management Plans in Spain, the Ebro River Basin as a study case. | **Marian Lorenzo**  CSIC |
| 10:00 - 11:00 | Low-pressure sprinkler irrigation in maize | **Enrique Playán**  CSIC |
| 11:00 - 12:00 | Irrigation governance in developing countries: problems and solutions | **Enrique Playán**  CSIC |
| 12:00 - 12:30 | Coffee break | - |
| 12:30 – 13:30 | Network to control water quantity and quality of irrigation return flows | **Marian Lorenzo**  CSIC |
| 13:30 - 14:30 | Lunch break | - |
| 14:30 - 16:00 | Preparation and flight planning of unmanned aerial vehicles (UAV) | **Sabrija Čadro**  UNSA |

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**Wednesday, July 20, 2022**

**Field visit to Visoko, BiH**

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| **🕙 CET** | **TOPIC** | **LECTURER(S)** |
| 09:00 - 13:00 | Visit to an agricultural  producer in Visoko;  Use of unmanned aerial vehicles (UAV) for surveying agricultural land -  field exercises | **Sabrija Čadro**  UNSA |
| 13:00 - 15:00 | - Touristic tour of Visoko pyramids - | All |
| 15:00 - 18:00 | Lunch break | All |
| 18:00 - 19:00 | Return to Sarajevo and free time | All |



**Bosnian Pyramid of the Sun and Park Ravne**

**Thursday, July 21, 2022**

**Faculty of Agriculture and Food Science, University of Sarajevo (UNSA)**

**(Zmaja od Bosne 8, 71 000 Sarajevo, BiH)**

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| **🕙 CET** | **TOPIC** | **LECTURER(S)** |
| 09:00 - 10:30 | Remote sensing (RS) processing of data collected from a UAV | **Sabrija Čadro**  UNSA |
| 10:30 - 11:30 | Combining remote sensing vegetation indexes (VIS) and soil water balance model (SWB) | **Wilk Almeida & Teresa Paço**  ISA |
| 11:30 - 12:00 | Hands-on session  RS & VIs & SWB | **Wilk Almeida & Teresa Paço**  ISA |
| 12:00 - 12:30 | Coffee break | - |
| 12:30 - 13:15 | Climate change and remote sensing: crop growth and soil water balance model | **Daniela Soares**  ISA |
| 13:15 - 14:00 | Crop water status – techniques and sensors for stress detection | **Teresa Paço**  ISA |
| 14:00 - 15:00 | Lunch break | - |
| 15:00 - 19:00 | Free time |  |
| 19:00 | Social dinner - barbecue  (Butmir, Sarajevo) | All |

**Friday, July 22, 2022**

**Faculty of Agriculture and Food Science, University of Sarajevo (UNSA)**

**(Zmaja od Bosne 8, 71 000 Sarajevo, BiH)**

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| **🕙 CET** | **TOPIC** | **PARTICIPANT(S)** |
| 10:00 - 11:00 | Presentation of the performed and future research on the test site in Aleksandrovac | **Nataša Čereković**  UNI-BL |
| 11:00 - 12:00 | Presentation of the performed and future research on the test site in Butmir | **Benjamin Crljenković**  UNSA |
| 12:00 - 12:30 | Coffee break | All |
| 12:30 - 13:30 | Closing ceremony and awarding of certificates | All |
|  | Return to home |  |

