

SmaCuMed PRIMA project:  
Smart irrigation cube for sustainable agriculture in the Mediterranean region

The International Conference on

**WATER-ENERGY-FOOD-ECOSYSTEM NEXUS**  
in the Mediterranean Region

**Tuesday 15 – Friday 17, November 2023**

**The Mohammed VI Museum of Water Civilization in Morocco,  
Marrakech (Morocco)**

**WEFE2023**

The SmaCuMed International Conference on Water-Energy-Food-Ecosystem Nexus in the Mediterranean (WEFE2023) will take place from 15th to 17th November 2023 in the Mohamed VI Museum of Water Civilization in Morocco (Marrakech, Morocco). The SmaCuMed WEFE Nexus Conference is organized by the Cadi Ayyad University of Marrakech (Morocco) and the Karlsruhe University of Applied Sciences (Germany), under the framework of the PRIMA project SmaCuMed ([www.smacumed.eu](http://www.smacumed.eu)).

SmaCuMed "Smart irrigation Cube for sustainable agriculture in the Mediterranean region" is a joint research project from the European Union's EU-Prima initiative - A joint program focused on developing and applying solutions for food systems and water resources in the Mediterranean basin. The Water-Energy-Food-Ecosystem Nexus (WEFE Nexus) approach highlights the interdependence of water, energy and food security and ecosystems – water, soil, and land – that underpin that security.

The Nexus approach identifies mutually beneficial responses that are based on understanding the synergies of water, energy, and agricultural policies. It also provides an informed and transparent framework for determining the proper trade-offs and synergies that maintain the integrity and sustainability of ecosystems. The Conference focuses on the Mediterranean dimension, but it is open to participants from outside the region who share the same interests and wish to learn from the Mediterranean experience.

**Topics**

- Bioresources valorization
- Climate Change and Water Resources
- Ecotoxicology & Environmental Remediation
- Environmental Chemical Engineering
- Environmental modelling
- Farming systems
- Food Characterization and Quality

- Food losses: innovations and waste management
- Food Security & Food Safety and Toxicology
- Governance and Policy
- Renewable energy and energy efficiency
- Sustainable Agriculture and Water Efficiency
- Terrestrial and Aquatic Ecosystems
- Water Pollution and Water Quality
- Water Technologies and Innovations

**Keynote speakers**



**Prof. Laila Mandi**  
(Morocco)



**Prof. Jan Hoinkis**  
(Germany)



**Mr. Hasan EMRUL**  
(Germany)



**Prof. Charis Galankis**  
(Greece)

**Important dates**

- Deadline of abstracts submission : 21 Sept 2023**
- Notification of acceptance : 30 Sept 2023**
- Early registration : 30 Oct 2023**
- Extended abstracts submission : 31 Dec 2023**
- Full paper submission : 31 March 2023**

**Visit our website for the online submission!**

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- El Hassan EL MOUDEN (Dean of the Faculty of Sciences Semlalia)
- Moha TAOURIRTE (Dean of the Faculty of Sciences and Technologies of Marrakech)
- Driss BELKHAYAT (Director of the Innovation City of the Cadi Ayyad University)
- Abdennabi EL MANDOUR (Director of the Mohamed VI Museum of Water Civilization in Morocco)

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<https://indico.marwan.ma/e/wefe2023>  
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