

SAVE THE DATE!

2nd Trainings session on smart-irrigation and desalination



4 + 5 March, 2022



Faculty of Sciences Semlalia, Marrakesh

TRAINING OBJECTIVES

Raise awareness among local population on the environmental impacts of **climate change** on water scarcity for irrigation

Boost capacity building and best practice sharing in the field of **smart-agriculture**, water and irrigation management with living-labs

Showcase the smart irrigation system as **all-in-one concept** with capacitive deionization (MCDI) and low-pressure reverse osmosis (LPRO)

TRAINING TOPICS

1st Training

Desalination

Desalination of saline water by use of renewable energy
(lead: Karlsruhe University of Applied Sciences)

2nd Training

Smart-Irrigation

Real-time sensors for optimization of irrigation
(lead: Aquagri)

3rd Training

Solar energy

Solar energy concepts for water treatment (Part II)
(lead: Raach Solar)

Hybrid Event
(live + online)



ON-SITE PILOT DEMONSTRATION

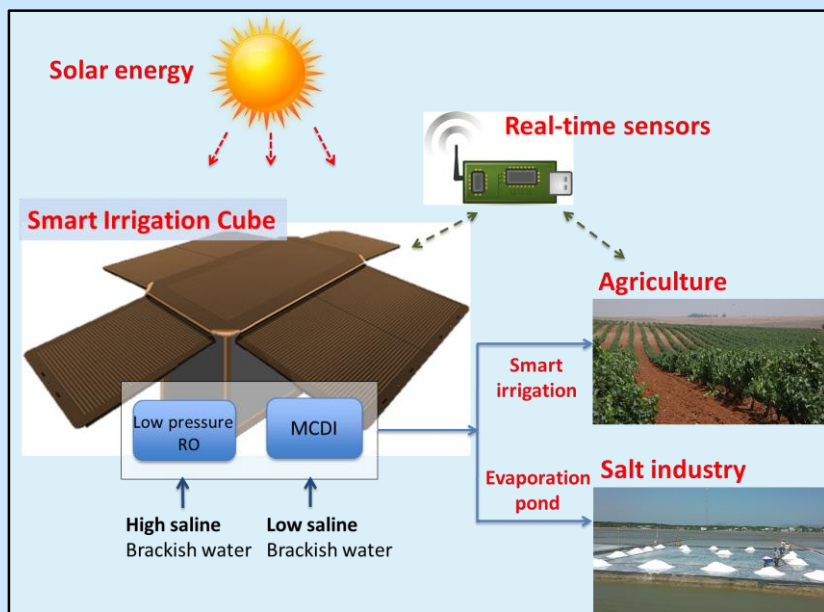


Fig. SmaCuMed concept scheme



Registration at: Pr. EL ABBASSI Abdelilah,
a.elabbassi@uca.ma
smacumed.project@gmail.com
Registration deadline: 01 March, 2022

www.smacumed.eu/news



Partners:



Hochschule Karlsruhe
Live by 37
Applied Sciences

HKA



RAACH SOLAR
DESIGNING PHOTOVOLTAIC POWER



Associated partner:
Fraunhofer
IBP

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PROGRAMME

Fri. 4 March, 2022

Trainings (theory)



Université Cadi Ayyad,
Cité d'innovation de Marrakech
Boulevard Abdelkim Khattabi

08:45 - Registration

09:30 - Introduction: SmaCuMed

10:00 - Training ■ **Desalination**

Lead: Prof. Jan Hoinkis,
Karlsruhe University of Applied
Sciences, GERMANY

12:30 - Lunch-break

14:00 - Training ■ **Smart-Irrigation**

Lead: Lopo Carvalho
Aquagri, PORTUGAL

16:15 - Training ■ **Solar Energy**

Lead: Jürgen Raach, Luka Kuki
Raach Solar, GERMANY

Sat. 5 March, 2022

Trainings (demonstration)



Douar Folloust, Essaouira

08:00 - Bus departure (Meeting point: in front of
Faculty of Sciences Semlalia)

11:30 - Arrival at Essaouira

13:00 - Information session

14:00 - **On-site pilot demonstration** 

Group I "Desalination"

Group II "Smart-irrigation"

Group III "Solar energy"

17:30 - Wrap up

18:00 - Departure to Marrakesh

Hybrid Event (live + online)

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LWI 815/27
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