



People's Democratic Republic of Algeria  
Ministry of Higher Education and Scientific Research  
University of Constantine 1

Vice Rectorate of External Relations



# THE SECOND INTERNATIONAL SEMINAR ON WATER, CLIMATE CHANGE, AGRICULTURE, AND TERRITORIAL DEVELOPMENT

CONSTANTINE FROM NOVEMBER 3 TO 6, 2025



ON THE OCCASION OF :

THE 11<sup>TH</sup> ALGERIAN-ROMANIAN INTERNATIONAL SCIENTIFIC DAYS

HONORARY PRESIDENTS:

**PROF. AHMED BOURAS**

RECTOR OF UNIVERSITY OF CONSTANTINE 1,  
FRÈRES MENTOURI (UC1)

**PROF. CHAOUKI BENABBAS**

DIRECTOR OF THE TERRITORY PLANNING  
RESEARCH CENTER (CRAT)

PRESIDENT OF THE SEMINAR:

**DR. AZIZ BENHAMROUCHE**

## Publication Opportunity

Participants will have the possibility to submit their work for publication in peer-reviewed journals, including:



**Earth (Switzerland) MDPI**

Impact Factor 2.1 • Cite Score 3.3 • **DGRSDT Class B-Scopus**



**Journal of the Geographical Institute "Jovan Cvijić" SASA**

• Web of Science (Clarivate) • Scopus (Elsevier) • **DGRSDT Class B-Scopus**



**Geographica Pannonica**

• Web of Science (Clarivate) • Scopus (Elsevier) • **DGRSDT Class B-Scopus**



This seminar supports the  
**United Nations Sustainable Development Goals**

The University of Constantine 1, Frères Mentouri (UC1) in collaboration with the Territory Planning Research Center (CRAT) and various partners of the PRIMA project (BENEFIT-Med), with support from several institutional stakeholders, is organizing on the occasion of : the 11<sup>th</sup> Algerian-Romanian International Scientific Days, the 2<sup>nd</sup> International Seminar on "Water, Climate Change, Agriculture, and Territorial Development." This four-day event will take place from November 3 to 6, 2025, at the university of Constantine 1, Frères Mentouri (UC1), Algeria.

The seminar aims to bring together experts, researchers, policymakers, and development actors to exchange knowledge and share best practices. **The focus will be on sustainable water management, climate change adaptation, agricultural resilience, and territorial development, with the overarching objective of fostering integrated strategies that support sustainable regional development in areas affected by climate change.**

The program includes 20 plenary sessions covering a broad spectrum of issues in geography, agronomy, and territorial planning, approached through a modern, interdisciplinary perspective. Organized by the Vice-Rectorate for External Relations (UC1) and CRAT. The event benefits from the collaboration of international academic institutions from over 35 countries. Participants will include scholars and professionals from Algeria, Italy, Spain, France, Portugal, Colombia, Malta, Cuba, Greece, Tunisia, Serbia, Bulgaria, and more.

Contact : [aziz.benhamrouche@umc.edu.dz](mailto:aziz.benhamrouche@umc.edu.dz) | +213 671 828 925

## PARTNERS



**PRIMA**  
PARTNERSHIP FOR RESEARCH AND INNOVATION  
IN THE MEDITERRANEAN AREA



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## Themes

This international seminar brings together leading researchers and experts to address key challenges at the crossroads of water management, climate change, sustainable agriculture, and territorial development. Structured around six major themes, the event encourages interdisciplinary exchange and integrative approaches. From climate risks and resource scarcity to innovative solutions and local resilience, the seminar aims to foster scientific collaboration and actionable knowledge for sustainable development.

### 1-Water Scarcity and Climate Risks

Droughts, hydrological extremes, and water resource management.

### 2-Climate Resilience and Adaptation

Ecosystem responses, risk reduction, and adaptive strategies.

### 3-Food Security and Climate-Smart Agriculture

Resilient crops, soil health, agrobiodiversity, and nutrition.

### 4-Nature-Based Solutions and Land Restoration

Land degradation, desertification, and sustainable land use.

### 5-Innovation and Technologies for Climate Action

AI, GIS, remote sensing, energy mapping, and smart monitoring tools.

### 6-Territorial Development and Local Knowledge

Cultural heritage, endogenous resources, and place-based resilience.

## Key Speakers

► Heritage as a lever for territorial development. Case of the heritage resources of the city of Constantine.

**Prof. Badia SAHRAOUI**. University Constantine 1, Frères Mentouri, Algeria

► Meteorological risks in the context of climate change. The DANA of Valencia.

**Prof. Javier MARTIN-VIDE**. University of Barcelona, Spain

► Fostering the transition towards sustainable agriculture in climate-vulnerable regions: the 'Benefit-Med' model.

**Prof. Alma BALESTRAZZI**. University of Pavia, Italy

► Viruses in municipal wastewaters.

**Prof. Joan JOFRE**. University of Barcelona, Spain

► Minor legumes in Med region: drought tolerant crops and ecosystem services.

**Prof. Demos CHACHALIS**. Benaki Phytopathological Institute. Greece

► Planting Innovation, Harvesting MORE Sustainability: New Solutions for the Conservation and Valorization of Endogenous Resources.

**Dr. Susana ARAÚJO (MORE)** - Laboratório Colaborativo Montanhas de Investigação - Associação, Portugal

► Climate Change and Its Impact on Agriculture and Forestry.

**Prof. Safwan MOHAMMED**. University of Debrecen, Hungary

► Short-term grazing exclusion as a nature-based solution to mitigate land degradation in arid steppe ecosystems.

**Prof. Saifi MERDAS**. Territory Planning Research Center, Constantine, Algeria

► Nature Based Solutions to mitigate drought and land degradation in agriculture.

**Prof. Claudia MEISINA**. University of Pavia, Italy

► Land degradation as indicator of climate crisis.

**Prof. Jose DAMIÁN RUIZ-SINOGA**. University of Malaga, Spain

► Fenugreek: A Promising Legume for Soil Health and Quality.

**Prof. Amine ELLEUCH**. University of Sfax, Tunisia

► From Meteorological to Hydrological Drought: Climatic Variability and Regional Patterns in Bulgaria.

**Dr. Nina NIKOLOVA**. Sofia University, Bulgaria.

► Seed quality for sustainable agriculture in a changing climate.

**Prof. Anca MACOVEI**. University of Pavia, Italy

► Aridity in Serbia: An Underestimated Environmental Issue.

**Prof. Nikola M. MILENTIJEVIĆ**. University of Priština - Kosovska Mitrovica. Serbia.

► Environmental Perceptions and Management Strategies in the Face of Extreme Climate Events: Pathways to Sustainability in a Changing Climate".

**Dr. Hélder Silva LOPES**. University of Minho, Portugal.

► Natural spaces and climate change.

**Prof. Josep Vila SUBIROS**. University of Girona, Spain.

► Characterization of solar and wind energy potential in areas of Granma province in Cuba.

**Prof. Ramiro Alberto CUMBRERA GONZÁLEZ**. University of Granma, Cuba.

► Thermo-Optical Mapping of Urban Coating Materials: a GIS Based Surface Renovation Tool for Passive Cooling of Cities.

**Dr. Fernando MARTÍN-CONSUEGRA**. Eduardo Torroja Institute of Construction Sciences - CSIC. Spain.

► Image Processing Techniques for Agricultural Applications: From RGB to Multispectral and Hyperspectral Imagery.

**Dr. Jose A FERNANDEZ-GALLEGO**. University of Ibagué. Colombia.

► Reevaluating the Quality of Animal-Sourced Foods: Towards the integration of climate change and beyond.

**Dr. Mohammed GAGAOUA**. French National Institute for Agriculture, Food, and Environment (INRAE), Rennes, France.

## Scientific Committee

### Prof. Badia SAHRAOUI

Prof. Chaouki BENABBAS  
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 President Sustainable Economy Forum, Alegria  
 The Directorate-General for Scientific Research and Technological Development (DGRSDT), Algeria  
 Scientific Chief of Sevastopol State University, Russia.  
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| Dr. Nouredine HALLA            | University of Saida, Algeria                                                                            |

## Organizing Committee

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**Dr. Oussama DERDOUS** | University Constantine 1, Frères Mentouri, Algeria | **Co-President of the Organizing Committee**

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## Submissions and dates

Please, remember the following important dates:

Abstract Submission Deadline: **September 25<sup>th</sup>, 2025**

Notification of Acceptance/Rejection: **October 15<sup>th</sup>, 2025**

Conference Dates: **November 3<sup>rd</sup>- 6<sup>th</sup>, 2025.**

You can download the official seminar template in Word format using the link:

[WACCAD Template](#)

Abstracts must be submitted using the registration form : <https://forms.gle/LVQCgjDUQKLBPhVX7>

## Registration fees

Authors (Student): **5000 DA / 50€**

Authors (Regular): **10 000 DA / 100€**

Listener (Societies): **12000 DA / 120€**

All event participants must pay the conference registration fee the day of the seminar. For each paper/poster, at least one author must attend and pay the registration fee.

### The registration fees include

- Admission to scientific sessions
- Admission to exhibition and poster viewing
- All-Conference materials
- Tea/coffee and lunch
- Certificate of Attendance
- Shuttle bus