



**CIHEAM  
MONTPELLIER**

*HR Department  
Ref. 22/14*

## **VACANCY ANNOUNCEMENT**

### **Recruitment of a Postdoctoral Fellow** Full-time contract, renewable up to 2 years

The Mediterranean Agronomic Institute of Montpellier (CIHEAM Montpellier), one of the four institutes of the International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM), is an intergovernmental organization whose mission is the development of higher education and lifelong learning, research and cooperation in the Mediterranean area. Within the scope of the AGREEMed project, CIHEAM Montpellier offers a position of a Postdoctoral Fellow.

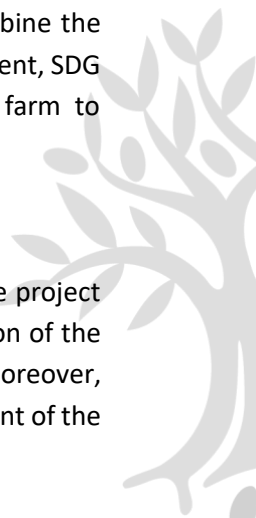
#### **CONTEXT**

AGREEMed (Innovative **A**quifers **G**overnance for **R**esilient Water Management and Sustainable Ecosystems in Stressed **M**editerranean Agricultural Areas) is a newly awarded project under the PRIMA S2 programme. The main objective of the AGREEMed project is "to improve the capacities of water actors in developing integrated aquifer management plans and demonstrating such development in strategic pilot areas (watersheds) in the Mediterranean region: Souss-Massa in Morocco, Hammamet in Tunisia, and Jordan Valley in Jordan". The targeted aquifer management plans will contribute to safeguarding groundwater resources, supporting socio-economic growth, and preserving ecosystems in the context of global changes. Transferring scientific knowledge, exchanging successful institutional and technological innovations between partners as well as developing pilot area's specific solutions are the key pillars of AGREEMed project.

CIHEAM-IAMM is the leader of a WP4 aiming at the definition of the conceptual, methodological, and operational requirements as well as designing a "Household Farm-Watershed-Nexus Platform" which will serve as a DST to assist in making irrigated farming systems in the three pilot areas more sustainable. The tool will calculate several indicators covering different areas and spatial scales (from plot to regional) for each tested innovation, under different climate and market scenarios (price, inflation, GDP, energy, water quota...). The main hypothesis that will be tested in this WP4 is that a better irrigation water allocation will support agricultural systems diversity (diversity of farms in a watershed, of activities in a farm, and of crops and varieties in a field or crop sequence) and, consequently, the farming systems sustainability and water resource use efficiency. The definition of the Farm-Watershed Nexus platform will combine the development of the user-friendly interface, data collection and structuration, scenario development, SDG indicators calculation, digital solutions, and the integration and scalability procedure from farm to watershed level.

#### **ROLE**

The Postdoctoral Fellow (PF) will play a central role in the WP4 and will be a full member of the project team. Working side-by-side with the Personal Investigator, the PF be responsible for the creation of the Farm-Watershed Nexus platform by **mainly the development use of a bio-economic model**. Moreover, the PF will coordinate the exchanges within the consortium partners and facilitate the acquirement of the



necessary data. He will attend all the necessary meetings and workshops of the project in order to guarantee the well execution of the WP4 Tasks.

### **ACTIVITIES AND TASKS**

- **Collaborate with the other partners for the collection of the necessary data;**
- **Develop bio-economic model;**
- Assist the coordinator in the supervision and implementation of the WP4, and in following the project work plan;
- Contribute to the create the Farm-Watershed Nexus platform;
- Attend the consortium meetings;

### **REQUIREMENTS**

The postdoctoral fellow must meet the following requirements:

- Ph.D. in Economics or Agricultural science;
- Excellent knowledge of bio-economic modeling and mathematical programming via GAMS;
- Excellent knowledge of data analysis;
- Knowledge of analysis of hydrological data, especially on aquifers is an added value;
- Excellent oral and written communication skills in English (the communication language within the consortium), excellent good oral and written communication skills in French or Arabic (the communication language of the stakeholders in the case studies).

### **PERSONAL SKILLS REQUIRED**

- Excellent organizational skills, ability to establish and maintain lasting and constructive formal relationships;
- Dynamism, reactivity and autonomy;
- Excellent skills of writing and synthesis (work plans, technical reports and other acts and management, ordinary correspondence, notes, messages, summary sheets);
- Good teamwork abilities, particularly in a multicultural and multi-disciplinary context;
- Ability to propose solutions to problems and critical issues that might arise during the project.

### **JOB SPECIFICATIONS**

- Contract duration: fixed term contract of 12 months renewable 1 time (up to 24 months);
- Full-time (37,5h per week);
- 8 weeks' annual leave;
- Salary: According to CIHEAM-IAMM index payroll;
- Location: Mediterranean Agronomic Institute of Montpellier (Route de Mende, Montpellier, France) with occasional travels in different partner countries.

**SELECTION PROCESS** The application must be written in English and include a CV and a cover letter concerning the missions defined in the job description.



*CIHEAM Montpellier is committed to a policy of non-discrimination and gender. Position open to people with disabilities.*

**Deadline for Submission: 28th of August 2022**

**Selection Committee: 1<sup>st</sup> of September 2022**

**Starting Date: as soon as possible**

The application file must be sent by email to [emploi@iamm.fr](mailto:emploi@iamm.fr)

Contact for any information on the project: [belhouchette@iamm.fr](mailto:belhouchette@iamm.fr)

