









34th Members' Meeting of the «Club of Bologna

Mechanisation and Technologies for New Farmers Needs

11-12 October 2025 Bari, Italy

Technologies and Mechanization to Enhance Value Chain in Developing Countries



CIHEAM Centre International de Hautes Etudes Agronomiques Méditerranéennes

13 Member Countries



Mediterranean
Agronomic Institutes

CIHEAM BARI - Italy
CIHEAM CHANIA - Greece
CIHEAM MONTPELLIER - France
CIHEAM ZARAGOZA - Spain

CIHEAM BARI: OUR GOAL

Promote the SUSTAINABLE DEVELOPMENT of AGRICULTURE, FISHERIES and FOOD SYSTEMS, thereby improving FOOD SECURITY and optimizing ONE HEALTH approach

OUR MISSION





APPLIED SCIENTIFIC
RESEARCH & INNOVATION



DEVELOPMENT AND SCIENTIFIC COOPERATION

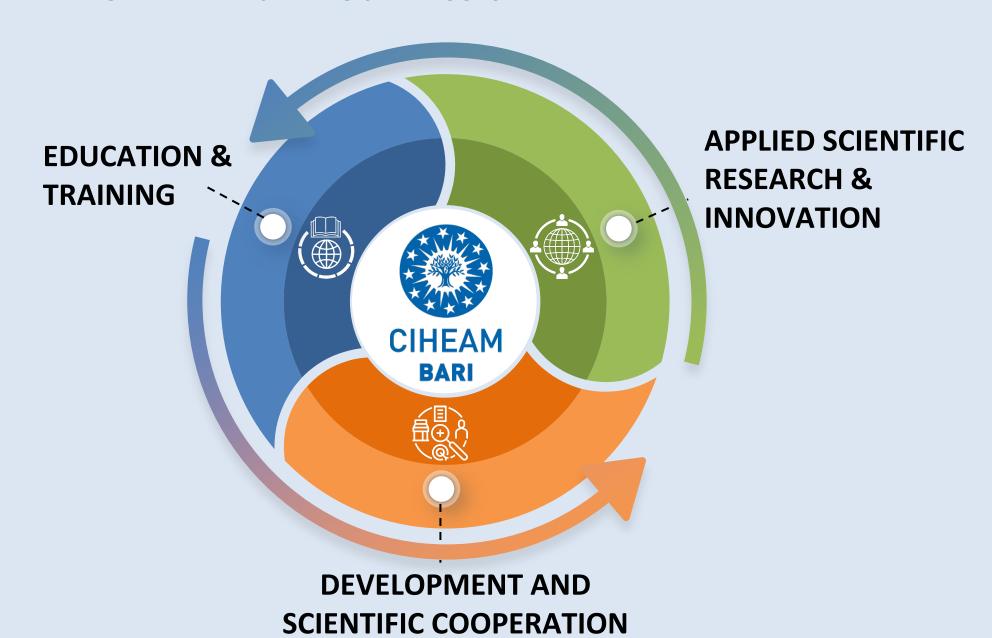








CIHEAM Bari - Our Mission





CIHEAM Bari - Our Mission

Quadruple education & training model



Master's programs

Young talented students



Advanced specialized courses

Officers from the public administration



TVET

Farmers, technicians



Open innovation model

Start-ups, small enterprises





Education and Training

more than 14,000

STUDENTS & TRAINEES

since **1962**



from + 100 COUNTRIES





MASTER COURSES



Sustainable Water and Land Management - 2 AY
Integrated Pest Management – 2 AY
Mediterranean Organic Agriculture – 2 AY
Sustainable Agroecosystems and Resilience - 2AY
Open Innovation & Youth Entrepreneurship – 1 AY
Local food policy - 1 AY

ADVANCED SPECIALIZED COURSES for Ministerial Officials

- Precision Agriculture for the Mediterranean Region
- **Sustainable Development of Coastal Communities**

STUDENTS

COUNTRIES



from



A.Y. 2024-2025



POST-GRADUATE EDUCATION

60%

since 1962

from **AFRICA**

CIHEAM Bari students

3.92€
social impact*
per 1€ invested

PROFESSIONAL DEVELOPMENT,
NETWORKING, INTERCULTURALISM,
INNOVATION, CAPACITY & KNOWLEDGE
BUILDING

74%
CIHEAM Bari students

ENTER THE LABOUR MARKET STRAIGHT AWAY

PRIVATE SECTOR



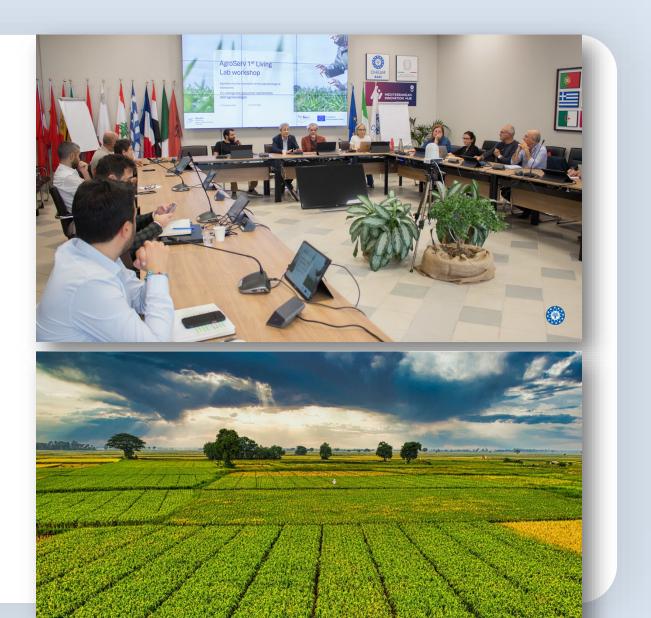


RESEARCH



31 ONGOING PROJECTS

- Research and Innovation (H2020, Horizon Europe-HE, PRIMA other EU funding)
- Research for Development (DESIRA).











CIHEAM Bari is member of 15 NETWORKS

and leader of 4 networks 4 NETWORKS

573 MEMBERS

Active in the fields of:

- RESEARCH
- PARTICIPATORY APPROACHES AND STARTUPS
- **FOOD SYSTEMS**
- TRAINING





Thematic areas



INTEGRATED RESOURCE MANAGEMENT FOR SUSTAINABLE AGRI-ENVIRONMENTS



SUSTAINABLE TRANSFORMATION OF AGRI-FOOD SYSTEMS



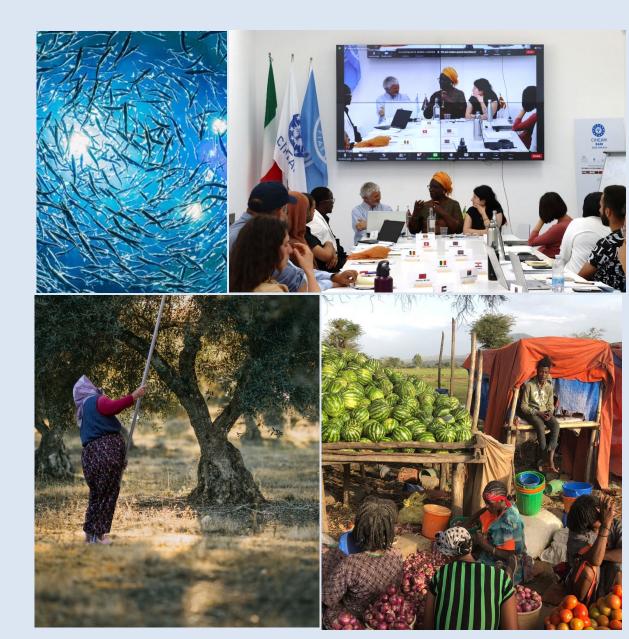
HEALTHY AGROECOSYSTEMS



GREEN AND BLUE COMMUNITIES

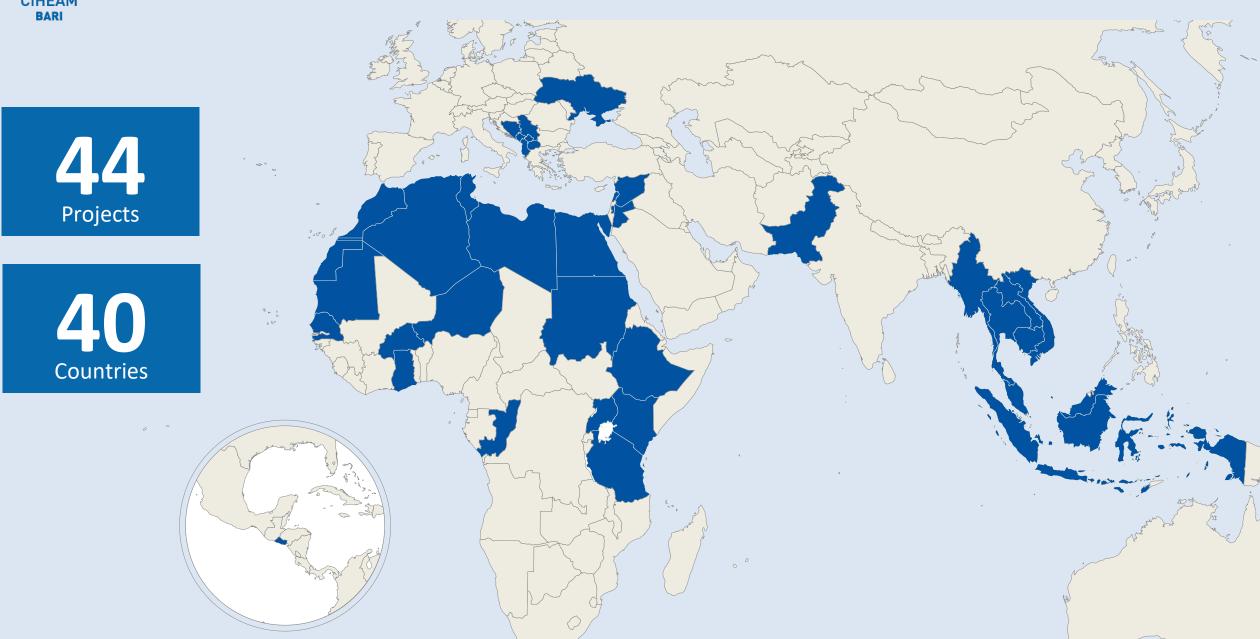


NNOVATION AND KNOWLEDGE





International Cooperation





ADVANCE SPECIALIZED COURSE

PRECISION AGRICULTURE IN THE MEDITERRANEAN REGION

3nd edition



BENEFICIARY COUNTRIES:

Albania, Bosnia and Herzegovina, Burkina Faso, Democratic Republic of Congo, Egypt, Ethiopia, Ghana, Jordan, Kenya, Kosovo, Lebanon, North Macedonia, Republic of the Congo, Senegal, Syria, Tanzania, Tunisia, and Uganda.

PARTICIPANTS:

18 FULL SCHOLARSHIPS

DURATION:

3 WEEKS

8 September – 5 November 2025

LOCATION:







PROGRAMME:

Unit 1. Introduction: a multiscale and multisectoral approach

Unit 2. Measurement & interpretation of environmental data at territory and farm scale

Unit 3. Spatial and Temporal Decision Support Systems

Unit 4. Profitability: an economic approach

Unit 5. Project





EXAMPLES OF INTERNATIONAL COOPERATION INITIATIVES









PAKISTAN, KURDISTAN

LIBYA

EGYPT

LEBANON

EFEF PLUS

Enhancing Farmer
Entrepreneurship in the
Municipalities of Sebha, Murzuq,
Ubari and Ghat

SAMSIMIFA

Sustainable Agricultural Mechanisation System Improvement in Minya and Fayoum Governorates

SEED LEBANON

Strenghtening certified seeds production

OLIVECULTURE SCALE-UP

Scaling Up OliveCulture Value Chain and Promoting Climate-Resilient Rural Development in Pakistan

KORES

Rural empowerment of Kurdistan region through sustainable development of the olive oil valuechain



TANIT PROJECT

SUPPORTING THE ITALY TUNISIA STRATEGIC PARTNERSHIP ON FOOD SECURITY





TANIT WLR





Water Reuse, recovery and treatment of urban wastewater for agricultural irrigation to counter water scarcity and desertification

Land Rehabilitation, agricultural efficiency improvement and rehabilitation of lands affected by climate change



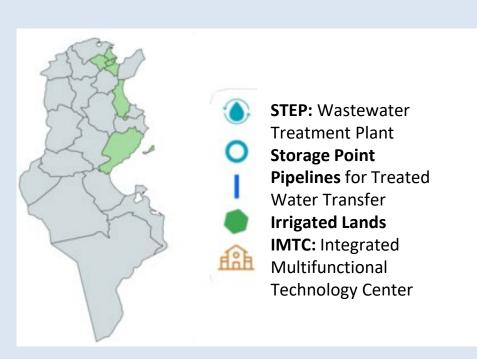
Knowledge Transfer: creation of an Integrated Multifunctional Technology Center (IMTC) to support agricultural development and food security



TANIT PROJECT

SUPPORTING THE ITALY TUNISIA STRATEGIC PARTNERSHIP ON FOOD SECURITY













On-field technologies for oliveculture

In the period 2005-2006, in the framework of the Italian cooperation project .

Technical Assistance for the Improvement of Olive Oil Quality in Syria.

Demonstrative trials to evaluate the effectiveness of hand-held machines to harvest the fruits of some of the main olive Syrian cultivars.

The **harvesting yield** (percentage of olives harvested with respect to total production) was **96-97%** with manual harvesting and ranged from **92%** to **95%** with the machines.

With respect to manual harvesting, working productivity (kg of olives detached by one worker in one hour) increased about 3.5-4 times with the cultivar Zaity and 4.5-5 times with the cultivar Sorani using the electric whipper and pneumatic comb.











Drops of water for a fair transition from yellow to green

THANK YOU

Biagio Di Terlizzi (CIHEAM Bari) – diterlizzi@iamb.it