



## Country Activities Report

December 2015

# ITALY

*Member since 1962*



Founded in **1962**, the International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM) is an **intergovernmental organisation** composed of **thirteen member states** (Albania, Algeria, Egypt, France, Greece, Italy, Lebanon, Malta, Morocco, Portugal, Spain, Tunisia and Turkey).

CIHEAM is at the service of its member states to promote **multilateral cooperation** in the Mediterranean in the fields of **agriculture, food, fishery** and **rural territories**, aiming to respond to the **needs** of the States and of the agro-food actors.

CIHEAM pursues this cooperation mission through **specialised training, networked research, scientific diplomacy and political partnership**. Thanks to its activities, CIHEAM therefore contributes to the elaboration of a global, structural and engaging vision for development in the Mediterranean. Providing concrete solutions, sharing experiences and promoting useful knowledge are among the main objectives of each one of its actions.

Around **170 permanent agents** and hundreds of consultants regularly work within the 5 headquarters of the Organisation: the 4 **Mediterranean Agronomic Institutes** (MAI) based in **Bari** (Italy), **Chania** (Greece), **Montpellier** (France), and **Zaragoza** (Spain); the **General Secretariat** is located in **Paris** (France), and are at the same time active in the Mediterranean countries to develop activities and projects.

[ciheam.org](http://ciheam.org)



## KEY INFORMATION



Date of Adhesion  
1962

Compulsory Contribution in 2015  
6 282 120€ (CIHEAM- Bari)  
420 000€ (CIHEAM- Secretariat)

### **CIHEAM Institute**

One of the Four CIHEAM Institutes is located in Bari, city of Puglia Region. The Institute was established in 1962 in the framework of CIHEAM's creation.

### **Name and Position of the Delegate**

Gianni Bonini

*Vice President of the CIHEAM Governing Board*

*Vice President of Gruppo Terrae, Bologne*

### **Advisory Board Member**

Felice Adinolfi

*Faculty of Veterinary medicine, University of Bologna, Italy*

### **Education and Training**

*CIHEAM MSc and SPD cycles (2003/2004-2014/2015)*

**86** Italian students including 28 scholarships

*CIHEAM Specialized Training (2004/2005-2014/2015)*

**389** Italian participants including 114 scholarships

### **Main current research and technical projects**

ACLIMAS, QualVET, Aqua.Ts, Ensuring the Survival of Endangered Plants in the Mediterranean, Foresterra, Legato, CREAM, FOODING, INTRA

### **Main current networks**

MOAN, Feeding Knowledge, Med-Spring, MED-Amin FISHINMED, E.H.P.P.C.-Med, ERANET-MED, LACTIMED, NO-BLE Ideas, Sustainable Mediterranean Diet.

### **Last political events with Italy**

- Participation in the 5+5 Ministerial Meeting, *Algiers, November 27th, 2013*
- Participation in the 10<sup>th</sup> CIHEAM Ministerial Meeting, *Algiers, February 6<sup>th</sup>, 2014*
- Organization of the Euro-Mediterranean Conference, Palermo, November 28<sup>th</sup>, 2014
- Organization of the World Exposition, "Feeding the Planet, Energy for Life", in Milano from May 1 to October 30, 2015

## Last publications

- Di Mambro A., *The new European milk crisis focus on Italia, Spain and France*, in Watch Letter 35, Milk and Dairy products in the Mediterranean, CIHEAM, Paris, December 2015.
- Digiaro M., Valentini F., *The presence of Xylella fastidiosa in Puglia (Southern Italy) poses a serious threat to the whole Euro-Mediterranean region*, in Watch Letter 33, Invasive Species in the Mediterranean, CIHEAM, Paris, June 2015
- Gargani E., Simoni S., Bagnoli B., *Drosophila suzukii in Tuscany, from cherry crops to vineyards and beyond*, in Watch Letter 33, Invasive Species in the Mediterranean, CIHEAM, Paris, June 2015
- Lacirignola C., Bottalico F., Capone R., El Bilali H., Debs P., *Sustainability of typical quality products for food and nutrition security in the Mediterranean: Lessons from the case of Apulia region in Italy*, in Watch Letter 32, Feeding Expo Milano with Mediterranean perspectives, CIHEAM, Paris, April 2015

## To be recorded

- Giorgio Napolitano, President of the Italian Republic, visited the CIHEAM-Bari in September 2006
- Carlo Scarascia-Mugnozza was President of the Governing Board of CIHEAM from 1983 to 1987
- Enzo Chioccioli was Secretary General from 1997 to 2003
- Teodoro Miano was President of the Advisory Board from 2006 to 2008
- The 134<sup>th</sup> Governing Board meeting took place in Bari in June 2015
- Cosimo Lacirignola, director of CIHEAM-Bari, is the Secretary General ad interim since October 2013.



# CIHEAM BARI

CIHEAM Bari was established in 1962. It works in four thematic areas:

- Land and Water Resources Management
- Integrated Pest Management of Mediterranean Fruit and Vegetable Crops
- Mediterranean Organic Agriculture
- Food and Sustainable Rural Development



The Institute takes stock from decades of experience in post-graduate education and training, applied scientific research and from several hundred partnership actions in the framework of the international cooperation programmes.

CIHEAM Bari provides assistance to institutions, at international, national and local level, in the identification, design and implementation of innovative projects in the Mediterranean countries, in order to promote food security and sustainable development, dialogue, while respecting cultural and territorial peculiarities.

Its problem-solving approach relies upon the educational expertise, the research skills and the cooperation efforts of highly motivated and professional researchers, academics, technicians and administrative staff of the Institute and of the institutions of the countries involved in the programmes, projects and networking activities.

Since 1987, the Director of CIHEAM-Bari is Cosimo Lacirignola.



More information on

**iamb.it**

## POLITICAL DIALOGUE

### CIHEAM Ministerial Meetings

Italy was the initiator of the CIHEAM's Ministerial Meeting. Italy organised the first meeting of the thirteen member countries' ministers of agriculture of CIHEAM in Rome on the 11<sup>th</sup> of May 1999, at the invitation of Paolo De Castro, minister of agriculture. The aim was to establish a dialogue between Mediterranean countries on agricultural and rural issues and enable them to agree on a common approach to them. These biennial ministerial meetings provide an opportunity for discussion of agricultural, food and rural issues in the Mediterranean area. The strategic dimension of these meetings is enhanced by the participation of the major international organisation active in the region.



The ministers of agriculture of the 13 member states of CIHEAM, or their representatives, met in Algiers on 6 February 2014. Organised by Algeria, this meeting took place in the presence of many representatives of international organisations, including the General Director of FAO. The discussions focused on the sustainable food security in the Mediterranean Basin. This was the 10th multilateral meeting of this type organised in fifteen years, demonstrating hence the capacity of the CIHEAM member states to gather regularly around these strategic issues of agriculture, food, and rural territories. Dr. Felice Assenza, Director General of the European and International Policies at the Ministry of Agricultural Policies, Fisheries and Forestry was head of the Italian Delegation to this 10<sup>th</sup> ministerial meeting.

### Euro-Mediterranean Conferences in 2014 in the frame of the Italian EU Presidency

At the invitation of H.E. M. Maurizio Martina, the Italian Minister of Agriculture, Food and Forestry Policies, the Ministers or the Representatives of 27 countries from the European Union, the Balkans, North Africa and the Middle East as well FAO Director General and several international and regional organisations (European Commission, CIHEAM, UfM, ICARDA, CEJA, SWG-RDD) participated to the Conference. This meeting followed the path of dialogue set out with the First Euro-Mediterranean Conference on agriculture that took place in Venice on November 27th, 2003. The Italian Minister stressed on the importance of young and research for Mediterranean Agriculture and Regional Cooperation, underlying the role of CIHEAM in this perspective.



In addition, still in the framework of the Italian presidency of the European Union, from the 9 to the 11 December 2014, a Mediterranean regional conference on aquaculture has been organised in Bari at the CIHEAM's offices by the General Fisheries Commission for the Mediterranean (GFCM) in cooperation with FAO, EU and Italian Authorities, confirming the growing expectations of the Mediterranean countries in the field of Fisheries and Aquaculture cooperation.

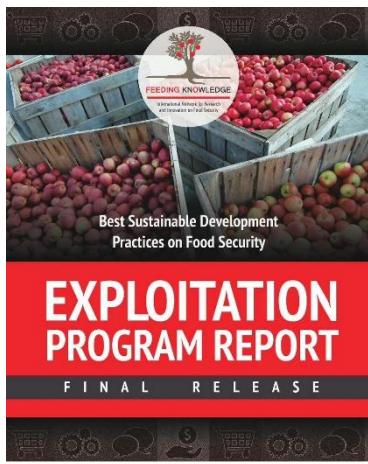
## EXPO Milano 2015

Milan is the heart host of Expo 2015. "*Feeding the Planet, Energy for Life*" is the topic of this edition. The principal issue concerns the "Food Security", because there is always more concern about the quantity and quality of food for a world increasingly populated. Expo 2015 wants to give the possibility to reflect about the problems and the contradiction of our world, showing all the themes related to this subject through the food culture of different countries.



Other issues related to this theme are the elimination of malnutrition, possible through a healthy and quality diet; the promotion of a correct nutritional education; the prevention of diseases like obesity, cardiovascular problems or tumors; the importance of technological innovation, of research to refine the agricultural and food production, nutritional contents of food products, distribution and preservation (*more information: expo2015.org*)

CIHEAM was present in the Expo 2015 through several initiatives and side events organized by its Institute of Bari, but also through the participation of its Mediterranean Member Countries. Around 25 conferences have been organized by CIHEAM-Bari during Expo 2015, dealing with the Mediterranean dimension of the global Agenda Post-2015, food security and good practices, adaptation to climate change, sustainable food consumption models, innovation and agro-food chains or women empowerment. CIHEAM has also been involved in many international conferences and world assemblies held during the Expo Milano 2015 in order to address the Mediterranean challenges in the global Food Security and Safety contexts.



The most important contribution of CIHEAM is the development and implementation of "*Feeding Knowledge*" programme, in collaboration with Politecnico of Milan. The Programme, a strategic initiative funded by Expo Milano 2015, is part of the intangible legacy of the Universal Exhibition. In the frame of "*Feeding Knowledge*", the Call of Best Practices on Food Security collected 749 initiatives. This is a significant heritage throwing lights on scientific solutions, services and products and an important opportunity to share information on how International Organizations, Local Governments, Civil Society, Enterprises, Institutions and Academia, both in developed and developing Countries, face future challenges.

Last but not least, the issue 32 of CIHEAM Watch Letter has been released on April 2015 and entitled "*Feeding Expo Milano 2015 with Mediterranean Perspectives*". The publication compiles a series of articles dealing with innovative indicators and initiatives for Food Security in the Mediterranean countries.

## EDUCATION, CAPACITY BUILDING & TRAINING

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### Zoom on the Erasmus Mundus EDAMUS/CIHEAM-Bari

"EDAMUS" ("May we eat" in Latin) MASTER in Sustainable Management of Food Quality - an Erasmus Mundus (Action 1) master - aims at developing internationally trained experts in the management of food quality. It addresses the increasing need to better understand and anticipate complex issues of food quality management within the European Union or at an international scale. Food quality and food health policies need to take into account various factors including socio economic information, social, technological and biological issues. The University of Basilicata (UNIBAS) is part of the Edamus Master consortium , and it plays a major role because it is one of the 3 institutions delivering diplomas (together with University of Montpellier and CIHEAM-Zaragoza). UNIBAS and CIHEAM-Bari (its associate member) offer two semesters to Edamus students, jointly organized and shared in contents, for a total of 60 credits, whose main courses are: Nutrition, Food security and Safety; Agrifood economics and sociology; Technical planning of rural land, Economics of quality for sustainable development; Engineering for quality food production; Organic agriculture (organic standards and legislation, organic commodities production); Soil fertility management.

### **CIHEAM Best Thesis 2014**

The CIHEAM's Governing Board, during its 134th meeting held in CIHEAM-Bari on 26 June 2015; having read the report elaborated by the Advisory Board, decided unanimously to award the prize of the best CIHEAMs thesis for the year 2014 to Mrs. Jelena Turk (Bosnia and Herzegovina) for her research work conducted at CIHEAM-Bari, and entitled "How durum wheat (*Triticum turgidum* spp. *durum*, cultivar *Senatore Cappelli*) production systems affect overall quality, sourdough biotechnology and bread properties".

## FORMER STUDENTS FOCUS



**Fabrizia Buono** is since 2011 Research Assistant at the [Università Ca' Foscari di Venezia](#) for the FP7 PEGASO project “People for Ecosystem-based Governance in Assessing Sustainable development of Ocean and coast”. She conducts Research activity on public participation in the North Adriatic case, and coordination activities of the 10 case studies, and Analysis of European fishery policies. She has an M.Sc. in Environmental Management from CIHEAM-Chania (2005-2007). From 2006 to 2007 she was a young researcher at CIHEAM-Chania for INTERREG III B ARCHIMED- INNOVA “Establishing Common Models of Integrated Sustainable Monitoring, Planning and Management of High Environmental Areas to control natural resources degradation”. From 2007 to 2008 she was a Collaborator at CIHEAM-Bari for the same project and for INTERREG/CARDS-PHARE-INTEGRA “Developing an integrated model for monitoring, planning and sustainable management for the enhancement of protected areas”.



**Stefano Farolfi** is a researcher at CIRAD France-UMR G-Eau (La recherche agronomique pour le Développement) which he integrated first in 2000 as a researcher in environmental economy. He obtained after his diploma of Agronomist, and M.Sc. in Agro-Business Economy from CIHEAM-Montpellier (1991) on the food consummation dynamic in the counties of Eastern Europe (Poland case). After his PhD thesis in Environmental Economy at Padoue University (1995), he was selected as an associated professional at FAO where he contributed to the coordination of a regional project in Western Africa on the urban food supply, and he published a study on the liberalization of agricultural products for exportation in Africa. In 2008 he managed the establishment of the International center for the Economy and the Governance of Water in Africa (IWEGA) at the University E. Mondlane de Maputo. He assumed the scientific direction of IWEGA in June 2009.



## JOINT RESEARCH & TECHNICAL PROJECTS

### CIHEAM-Bari

#### Rural Development Programme 2007-2013 of Puglia Region – Measure 511- Technical assistance (PSR)

The essential rules governing rural development policy for the period 2007 to 2013, as well as the policy measures available to Member States and regions, are set out in Council Regulation (EC) No. 1698/2005). Under this regulation, the rural development policy for 2007 to 2013 is focused on three themes (known as "thematic axes") namely: (i) improving the competitiveness of agricultural and forestry sector; (ii) improving the environment and countryside; (iii) improving the quality of life in rural areas and encouraging diversification of the rural economy. To help ensure a balanced approach to policy, Member States and regions are obliged to spread their rural development funding between all three of these thematic axes.

[www.svilupporurale.regione.puglia.it/portal/pls/portal/PSR\\_PORTALE.DYN\\_BANDI\\_NOGAL.show](http://www.svilupporurale.regione.puglia.it/portal/pls/portal/PSR_PORTALE.DYN_BANDI_NOGAL.show)

#### Apulian monitoring of *Xylella fastidiosa* by Photointerpretation of aerial images, analyses on spy insects and plant material (Xyl-monit)

The project is aimed at providing the Apulian Phytosanitary Service with technical support for the monitoring of *X. fastidiosa* in the delimited areas as indicated in the EU decision. Most of the innovative procedures adopted in the monitoring activity have been developed by CIHEAM-Bari. Most of the innovative procedures adopted in the monitoring activity have been developed by CIHEAM-MAIB.

#### Technical assistance to Apulia region in the framework of the operational programme of European fisheries fund (OP EFF)

The main objective of technical assistance provided by to Apulia Region government CIHEAM-Bari is: (i) support to the analysis and update on legal, administrative and technical aspects of EU, national and local legislation on fisheries; (ii) support to the analysis of the legislation on environment and sustainable management of fisheries; (iii) support to the definition of strategic actions and decision at the regional level, (iv) support to the drafting of normative documents (e.g. regional law on fisheries related activities), (v) methodological support of the management and implementation of evaluation and auditing; (vi) collection and analysis of data and information necessary for the implementation of the Operational Programme.

#### Competitiveness, food safety and shelf life: new eco-friendly technologies for the fruit and vegetable sector in Veneto (EcoORT)

The project aims to create conditions for strengthening the competitiveness of companies by developing technological innovations that can increase the shelf life of the products, their healthiness and their quality with eco-friendly devices. It is also proposed to develop an innovation that can be used not only in the post-harvested storage, but also in transport in order to travel along greater distances with still products of excellent quality and reducing costs.

#### **Innovative technological and clinical protocols for functional food production (Pro.Ali.Fun)**

On the basis of investigations on the intensity of consumer preference towards convenience and health value of products, the present research project is aimed to set up functional foods formulations through the optimization of nutraceutical substances extraction and biotechnological protocols.

#### **Setting up and validation of innovative methods and protocols for large scale monitoring of X. fastidiosa in plants and insects. Development of a central server for the management for monitoring data in real time. (Xyl-research)**

The project is aimed at providing the Phytosanitary service with: (i) tools for detecting X. fastidiosa on a large scale using on site detection tool for avoiding the movement of material and the risk of spreading the pathogen in free areas; (ii) a central server, XylWeb for managing the great amount of different data from the monitoring in order to guarantee their traceability along the process; (iii) training of inspectors in the on-site detection tool and in the management of monitoring data within XylWeb.

#### **Qualification and enhancement of quality typical products of Apulia (AGRICOLTURA & QUALITA)**

This is a 2-year project by which CIHEAM-Bari has been providing technical assistance to Apulia Region authority for the implementation of the regional programme "Qualification and enhancement of quality typical products of Puglia". In particular, the programme includes different interventions: (i) Development of regulated quality products (PDO/PGI/TSG); (ii) enhancement of traditional products of Apulia region; (iii) management of the regional quality label "Quality Products of Apulia"; (iv) development of high quality systems for Apulian agro-food products; (v) implementation of regional quality policies on agro-food districts; (vi) economic observatory on quality products of Apulia region; (vii) training and advisory services.

[www.agricolturaequalita.it](http://www.agricolturaequalita.it)

#### **The international projection of the Italian organic agriculture (BIOFRONTIERE)**

BioFrontiere is a project aimed at supporting the internationalization of the Italian organic agriculture. The activities were targeted at: (i) increasing the level of knowledge of the Italian organic producers and processors in relation to internationalization, highlighting the areas of greatest difficulty for the Italian enterprises; (ii) improving the knowledge of foreign economic, productive and institutional realities potentially useful to a better positioning of Italian organic production in the foreign markets; (iii) finding out the sustainability of alternative ways for the process of internationalization of the Italian organic production.

[www.inea.it/biofrontiere](http://www.inea.it/biofrontiere)

### **Organic production techniques and storage for healthy table grapes (SALUTA)**

This is a 3-year project for the organic production techniques and storage of healthy table grapes.

(i) Development of a technical protocol of the whole production progress in order to export table grapes also to non-European countries where importing Italian table grapes is not authorized for the possible presence of Ceratitis capitata (Med fruit fly), a devastating quarantine pest.

(ii) Estimation of water consumption of table grapes cv Italia vineyard under organic farming; use and comparison of different estimation methods; checking the possibility of returning a fraction of the total water consumption without reducing the quality and quantity of production. Smart phytosanitary control techniques. (iii) Study if the impact of water status of the plant ecophysiology, evaluating its effects on plant growth, yield and quality of grapes at harvest and after cold storage.

(iv) Application of cold treatment maintaining table grapes at low temperatures (12-17 days at 0.5-2°C), so as to kill stages of the Med fruit fly without altering their qualitative characteristics of grapes.

(v) Adoption of cold storage techniques and of specific products which are hygienically safe (potassium bicarbonate, plant extracts) both in the field and during storage (high-concentration ozone and carbon dioxide) to preserve the quality of table grapes for longer periods.

(vi) Identification of new eco-friendly pre-treatment systems during storage so as to ensure fungi-free table grapes during marketing.

### **Promotion of eco-sustainable progress for the enhancement of ago-food production in Puglia (ECO\_P4)**

Efficient and environmentally-friendly cutting-edge technical and technological solutions aimed at the reduction of production inputs, at a sound use of environmental resources and promotion of alternative inputs to synthetic chemicals, to foster sustainable use of resources in the production progress.

### **Pre-departure training for immigrants in Agriculture (AFORIL)**

The AFORIL project intends to deliver a training programme in the countries of origin enabling beneficiaries to acquire professional skills and knowledge that may help their socio-economic, cultural and occupational integration once they get settled in Italy. The project is designed to: (i) promote professional growth of third country nationals with special reference to Egypt, Morocco and Tunisia through training and information pilot actions, (ii) support the socio-professional integration of third country nationals through the strengthening of the informal and professional skills acquired, (iii) promote the socio-cultural and political integration of third country citizens, the cross-border cooperation and the creation of partnership oriented by Italian producers' organizations.

[www.aforil.it](http://www.aforil.it)

### **Project for the definition of the economic dimension of the organic farming sector at different levels of the supply chain (SINAM- Research project DIMECOBIO)**

The project aims to provide a detailed analysis of the economics of organic farming in Italy, to define an update, based on reliable sources, created through processing statistics, according to standardized methods in order to provide a sizing of the organic sector in Italy. In this way the administration can monitor the progress of the organic supply chain in the different aspects examined, from agriculture to the consumer, in order to better target the strategic choices for the implementation of the various sectorial policies. The project is structured in different areas of intervention to deepen the following issues: (i) analysis of the number of operators; (ii) surfaces and imports of organic products; (iii) analysis of yields, costs, prices and agricultural value; (iv) analysis of the economic situation of organic farmers; (v) estimates of industrial production; (vi) estimated value of the total consumption, (vii) in-depth focus on the wine industry and the role of biodistricts.

[www.sinab.it](http://www.sinab.it)

### **Advanced Technologies and Decision Support Systems for Sustainable Irrigation Management (Hydro-Tech)**

Hydro-Tech is a new automated decision support system which integrates the results of scientific achievements and technological innovations in the field of crop water requirements and irrigation scheduling, on-field data acquisition, transmission and management, and application of web and app tools for real-time irrigation management. The system combines agronomic, engineering, environmental and economic aspects of water management, aims to improve the eco-efficiency of agricultural water use and may be applied at both farm and irrigation district scale using the advanced technological solutions for the continuous sensor-based monitoring of the soil-plant-atmosphere continuum and the remote control of irrigation supply network.

[www.hydrotech-project.it](http://www.hydrotech-project.it)

### **Promotion of self-entrepreneurship in agriculture through the setting up of agricultural holdings (S.O.F.I.I.A. 2)**

S.O.F.I.I.A has the following objectives; (i) promote mobility and professional skills of third country citizens working in agriculture for a fixed and/or seasonal term through training and information actions designed to support autonomous entrepreneurial initiatives in this field; (ii) support the socio-professional integration of third country citizens through the strengthening of the informal and professional skills acquired; (iii) encourage the socio-cultural integration of third country citizens through the promotion of active citizenship rights.

[www.sofiia.it](http://www.sofiia.it)

### **Rural Hub (RH)**

The Rural Hub (RH) project is a research programme aimed to create a model of rural enterprises oriented to social innovation, a generation of "rural change makers" that will be supported by a "decentralized help desk" based on coworking and coliving. The project is designed to develop a new model of rural enterprises oriented to social innovation that would: (i) support the innovation of farms that are currently experiencing the gap between their own ethical values related to production and today's production methods; (ii) enhance the culture of rural communities; (iii) supply new economic opportunities connected with territories; (iv) create and redistribute the value generated by these innovative production processes on the local scale.

[www.ruralhub.it](http://www.ruralhub.it)

### **Technology and process innovations for irrigation reuse of treated municipal and agro-industrial waste waters in order to achieve sustainable water resources management (In.te.R.R.A)**

IN.TE.R.R.A is a project aimed to study, test and implement technology, management and innovation sustainable strategies favouring the spread of the reuse of treated urban and agro-industrial waste water for irrigation. The project is framed within the National Operational Programme (NOP) on Research and Competitiveness 2007-201, and is co-funded by European (FESR) and national (MIUR) resources. In addition the project promotes a larger implementation of the irrigation reuse of agro-industrial and municipal treated wastewaters on regional and national scale, technical and economic optimization of the management of wastewater treatment systems as well as assessing and testing innovative methods for the evaluation of soils and waters eco-toxicity in field conditions.

[www.pon-interra.it](http://www.pon-interra.it)

### **Networking for the development of maritime tourism at EUSAIR level (NEMO-MED)**

Marine and coastal tourism is one of the fastest growing areas within the world's largest industry. Fisheries related tourism plays an important role for sustainable socio-economic development of coastal communities and, if properly addressed, contributes to the sustainable management of marine resources. Starting from the relevance of Adriatic/Ionian Sea basin Strategy for the cohesion of the whole Mediterranean basin, the importance of fishing and fishing related activities in EUSAIR coastal regions and the lack of comparable data, NEMO intends to play its full part in shaping ecological and socio-economic transnational and holistic approach. It enables to develop and overview about Fisheries related tourism in Adriatic/Ionian Regions which contributes to the MED overall integrated maritime policy and acts as catalyst for coastal development protecting the environment and biodiversity.

[www.medmaritimeprojects.eu/section/nemo](http://www.medmaritimeprojects.eu/section/nemo)

## **Establishment and promotion of new approaches and tools for the strengthening of primary sector's competitiveness and innovation in south East Europe (APP4INNO)**

The project addresses the low competitiveness of the agricultural SMEs due to the lack of innovation, R&D and internationalization services. It focuses on the innovation potentials by the high quality/traditional productions and establishes a transnational platform of services for the support of innovation, technology transfer and cooperation of SMEs for their competitiveness in the international markets.

## **Requalification of Employment and Diversification for Youth in the Mediterranean Fishery sector (Ready.Med.Fish)**

The project aims at enhancing the professionalization of young fishery operators to boost the private entrepreneurship and at improving the normative framework of the Mediterranean fishery sector multi-functionality. The main constraints affecting the Mediterranean fishery sector are linked to catch reduction, the increase of operative costs and reduction of revenues. All these elements are contributing to the reduction of attractiveness of the sector for young people, leading to a migration towards other economic sectors. In this context the creation of a new set of professional profiles in the framework of fisheries multi-functionality will represent an opportunity to attract young operators, increase their income, support the development of coastal communities and guarantee the sustainability of the sector.

Nevertheless, the achievement of such objectives requires a specific effort to improve local governance and regional dialogue. For this reason, READY Med Fish will also focus its attention on the reform of the relevant legislation on fisheries and multi-functionality throughout the Mediterranean Sea basin.

Therefore, Ministries, Associations and International Organizations from Italy, Egypt, Lebanon and Tunisia, in a partnership led by Lega Pesca, will be working to develop and implement a program that will feature vocational training, legislative research and normative proposals.

[www.readymedfish.eu/the-project](http://www.readymedfish.eu/the-project)

## **Introducing innovations in traditional agro-food products to increase SMEs competitiveness (INTRA)**

The objective of the proposal is to strengthen services for the transfer of technical-scientific innovations from research institutions to enterprises in order to allow the development of traditional agro-food products consistent with market demands. This objective can be achieved only with the complementary action of the local authorities which should encourage it by amending the regulatory framework and by designing policies to support innovation in the agro-food sector.

## **Improving governance, management and sustainability of rural and coastal protected areas and contributing to the implementation of the Natura 2000 provisions in IT and GR (BIG)**

The aim of BIG is to improve governance, management and sustainable enhancement of parks and Natura 2000 sites. The project focuses on common strategies for biodiversity and natural resources regional governance, management and sustainable enhancement, especially in rural and coastal ecosystems in the cross-border Greece-Italy programme area.

[www.big-project.di.iono.gr](http://www.big-project.di.iono.gr)

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### **Meso-level eco-efficiency indicators to assess technologies and their uptake in water use sector (ECOWATER)**

EcoWater aims to address the existing gap in meso-level eco-efficiency metrics by adopting a systems' approach to develop eco-efficiency indicators, using water service systems as case application examples (Case Studies).

[www.environ.chemeng.ntua.gr/ecowater](http://www.environ.chemeng.ntua.gr/ecowater)

### **Middle East Research and Innovation Dialogue (MERID)**

The MERID project seeks to boost existing collaboration frameworks between the EU and Middle East countries while creating new channels and forging new links, especially with countries that are newcomers to EU cooperation in Research and Innovation. MERID's ultimate goal is to employ Research and Innovation as channels for intercultural dialogue, understanding and reconciliation. (2015-2018)

### **Monitoring biodiversity by a Citizen Science approach for solving environmental problems (CSMON)**

CSMON-LIFE aims for a new approach involving citizens in expanding and improving scientific knowledge about management and biodiversity protection based in Italy. CSMON-LIFE aims also to promote active collaboration among scientists. Governments and citizens in monitoring and protection of biodiversity; helping progress towards the objectives of the European 2020 strategy for biodiversity. The project uses the new technological devices such as smartphones and tablets, to collect primary data geo-referenced of biodiversity. These data, once validated scientifically, will be integrated into the National Biodiversity Network.

[www.csmon-life.eu](http://www.csmon-life.eu)



### **Exchanging knowledge to improve organic arable cropping (OK-Net Arable)**

The project will synthesize the scientific and practical knowledge available about organic arable farming and identify the best methodologies for exchanging this knowledge. It will create a European network of farmers to exchange experiences and discuss the advisory material selected by the project. Finally, the project will create an online platform offering evidence-based advisory material as well as facilitating farmer-to-farmer learning. This platform will be a virtual meeting place for farmers, advisers and researchers that would otherwise not be able to meet.

<http://www.ok-net-arable.eu/>

*Italian Partner  
Associazione Italiana, per l'Agricoltura Biologica (AIAB)  
Con Marche Bio, IT*



## **Adaptation to Climate Change of the Mediterranean Agricultural Systems (ACLIMAS)**

Bring a durable improvement of the agricultural water management and a broader socio-economic development of target areas in the context of adaptation to climate change, increasing water scarcity, and desertification risks (2012-2014).

<http://www.aclimas.eu>

*Italian Partners*

**Euro-Mediterranean Center for Climate Change (CMCC)**

**The National Research Council (CNR)**

## **Food for Life - Supporting healthy life style in the Mediterranean area**

Enhance research capacities in Egypt, Morocco and Tunisia to promote healthy lifestyles in the Mediterranean area by taking advantage of specific diet habits, exploiting peculiar diet components that may exert positive health effects, and preserving organoleptic and biological properties of Mediterranean food even when industrially processed (2009-2013).

[http://www.2020-horizon.com/HEALTHY-FOOD-FOR-LIFE-Supporting-healthy-lifestyles-in-the-Mediterranean-Area\(HEALTHY-FOOD-FOR-LIFE\)-s20709.html](http://www.2020-horizon.com/HEALTHY-FOOD-FOR-LIFE-Supporting-healthy-lifestyles-in-the-Mediterranean-Area(HEALTHY-FOOD-FOR-LIFE)-s20709.html)

*Italian Partner*

**University of Pisa - Department of Endocrinology & Metabolism**



## **Mediterranean Innovation and Research Coordination Action (MIRA)**

Develop and support the dialogue between EU-MPCs by bringing together policymakers and stakeholders from each MPC and EU Member States; create a dialogue and action platform to identify common interest in research areas, set up S&T priorities, support capacity building activities and enhance the interaction between different cooperation instruments of the EC; promote actions in order to monitor, develop and contribute to creating synergies among the various S&T cooperation programmes between MPCs/EU and foster the participation of the MPCs in the framework Programmes (2008-2011). This project was valorized by a 2013 Options Méditerranéennes publication.

<http://www.miraproject.eu/project-mira>

*Italian Partner*

**The National Research Council (CNR)**



## **Valorization of Traditional Food Products for competitiveness and Innovation of Italian and Greek SMEs (FOODING)**

Strengthen the competitiveness of SMEs through innovation transfer for the valorization and the recovery of typical and traditional products (fruit and vegetables, food grain, oil and legumes) within Mediterranean sustainable diets (2007-2013).

<http://www.greece-italy.eu/index.php/component/projects/?view=item&id=74&Itemid=8>

*Italian Partners*

**APULIA REGION - Department of Agriculture**

**Province of Foggia**

**Province of Taranto**

**Bari Chamber of Commerce Industry Craft and Agriculture**

## **Water Availability and Security in Southern Europe and the Mediterranean (WASSERMed)**

The WASSERMed project will analyse, in a multi-disciplinary way, ongoing and future climate induced changes in hydrological budgets and extremes in southern Europe, North Africa and the Middle East under the frame of threats to national and human security. (2010-2013).

<http://www.eusem.com/body/CE/EUproj/CE8o.htm>

*Italian Partner*

**CLU srl**

## **CIHEAM-Chania**

### **Global Change Impacts on Wildland Fire Behaviour and Uses in Mediterranean Forest Ecosystems, towards a « wall less » Mediterranean Wildland Fire Laboratory - MedWildFireLab**

During the past thirty years, many research activities dealing with wildland fires in the Mediterranean region have been carried out; MedWildFireLab aims to capitalize existing knowledge, identify complementarities, overlaps, gaps and barriers for improving coordination and networking of the existing projects, networks and research infrastructures. Such information is crucial for developing new integrated management strategies, identifying needed changes in policies and future research needs.

The objectives of MedWildFireLab are: to develop an integrated Mediterranean forest information system as basis for fostering the cooperation and exchange of knowledge and know-how; to work towards common concepts and vocabulary adapted to Mediterranean context; to address the policy makers proposals and recommendations for up-dating wildland fire policies; to support the transnational access to existing research networks and infrastructures towards a new transnational joint research structure willing to ensure a long-lasting cooperation in this field, the "wall less" Mediterranean Wildland Fire Laboratory.

*Italian Partner*

**CRA Consiglio per la ricerca e la sperimentazione in agricoltura, Centro di ricerca per la selvicoltura/ITALY**

### **Disentangling anthropogenic drivers of global change impacts on alpine plant species: Alps versus Mediterranean Mountains - MEDIALPS**

The project aim at disentangling anthropogenic and natural factors underlying differential changes in plant species composition and richness observed on mountain summits in the European Alps and the Mediterranean. To this end, it will operate at two spatial scales. The first level constitute local mountains from the treeline to the summits where temperature, water potential and NO<sub>2</sub> deposition are measured, and changes in species composition of high-mountain vegetation and grazing pressure are recorded. On the regional level it will compare topography, climate parameters and their projections into the future under different climate change scenarios, regional nitrogen deposition and major land-use changes.

*Italian Partner*

***University of Molise, Department of Biosciences and Territory, Italy***

### **Higher Education Innovation in Plant Diversity: flexible learning paths for emerging labour market - HEI-PLADI**

HEI PLADI aims to build a strategic partnership throughout an interdisciplinary co-operation, between higher education institutions, conservation and research organizations (botanic gardens, gene banks, universities, research institutes, non-governmental organization), in order to improve mobility and provide more opportunities for students to gain additional skills in the field of plant diversity.

*Italian Partner*

***Universita degli Studi de Molise, Campobasso, ITALY***

### **BIORESOURCES FOR OLIVECULTURE - BEFORE**

The project aims at establishing a multi-lateral network of research and innovation staff active in olive germplasm access, conservation, evaluation and exploitation, strengthening research capacities through the exchange of knowledge and expertise on a shared research programme focused on developing integrated common protocols to phenotype and characterize plants at molecular, morphological and physiological level, and evaluating the olive oil quality related to varieties.

*Italian Partner*

***Istituto per I Sistemi Agricoli - Forestali del Mediterraneo - CNR, Italy***



**Establishing common models of integrated sustainable monitoring, planning and management of high environmental value areas to control natural resources degradation (INNOVA)**

The final objective is to improve sustainable management of high environmental value area, through the adoption of common guidelines of monitoring, planning and management of the Mediterranean eco-region. CIHEAM-Bari is a partner of the project. (2006-2008).

<http://www.innovaproject.net>

*Italian Coordinator and Partners*

**APULIA Region, Bari**

**University of Bari**

**University of Lecce**

**Polytechnic of Bari**



#### **Harmonious Development of Rural and Insular Areas (HADRIAmed)**

Enhance the role of isolated, mountain, and island areas in a modern socioeconomic context, through the development of a territorial planning focused on the attraction of new residents in isolated areas and tools for sustainable socioeconomic development (2006 – 2008).

*Italian Partners*

**Mountain Community Melandro**

**Mountain Community Tanagro**

**University of Basilicata**

**Campania Region**



#### **SEMCLIMED (semence, climat et Méditerranée)**

The project proposes a series of actions aiming at evaluating climate change on the biodiversity of flora in the Mediterranean Basin, proposing measures of active conservation of species and habitats at danger, and increasing the public awareness on the ecological and social magnitude of the process of global warming (2006-2008).

<http://www.semclimed.org/fr/Default.aspx>

*Italian Partner*

**Università di Catania-Dipartimento di Botanica**



### **Remotely Accessed Decision Support System for Transnational Environmental Risk Management (STRIM)**

Establish a remotely and commonly accessed system for decision support of risk management at the transnational level, comprising a user-friendly automated Risk assessment model linked to GIS environment for implementing best practice and a complete set of documents and software available to the users in order to examine and justify alternative scenarios (2006-2008).

<http://strim.maich.gr>

*Italian Partner  
University of Trieste*



### **Mediterranean Islands 3D Aerial Navigation (MedIsolae-3D)**

MedIsolae-3D aims at delivering for 100+ European Mediterranean islands a dynamic Portal for islands information & navigation also linked to and hosted by Google Earth™, Virtual Earth™, and ArcGlobe™ SDI/GIS technologies;

a spatial database infrastructure technology (SDI) in EU-INSPIRE format via webGIS; a 3D-aerial webGIS flying-over application, for island navigation as a virtual-visiting; a dissemination, exploitation and sustainability plan for commercial use of the Portal.

MedIsolae-3D has as an endeavour to make its Portal, "the Portal" to be used by many EU islands; promote its flying over technology world-wide; promote its flying over technology world-wide; Link to Google™, Microsoft™, and ESRI™ for future business (2007-2008).

*Italian Partner  
Epsilon Italia, Srl*



### **Combating Fire with Fire (FireParadox)**

Innovative approach of integrated wild land fire management regulating the wildfire problem by the wise use of fire: solving the fire paradox, global change and ecosystems (2006-2010).

<http://www.fireparadox.org/>

*Italian Partners  
Università degli Studi di Napoli Fede  
Corpo Forestale e di Vigilanza Ambientale delle Regione Autonoma della Sardegna*



### Towards a reciprocal recognition of quality assurance systems in VET for Tourism Acronym (QualVET)

Establish a quality assurance mechanism aimed at improving the quality and competitiveness of tourism education and training in Europe (2012-2014).

*Italian Partner  
Umbria Training Center*



### Automatic control quality tool system (AQUATS)

Develop and test a process of controlling the quality of education through the use of the indicators set out in the Common European Framework EQAVET (2013-2015).

*Italian Partners  
Training Agency  
ARTES Srl  
IF Italia Forma Srl  
Provincia di Perugia*



### Ensuring the Survival of Endangered Plants in the Mediterranean

The project aims at the urgent ex-situ conservation of the region's most endangered plant species; the dissemination of research on these species to aid conservation and restoration activities; the development of a local conservation network to foster long-term co-operation and collaboration. The key outcomes of the project will include the protection of 900 endangered plant taxa, the development of seed specialists in the region, increased collaboration between plant conservation agencies and public awareness of the value and vulnerability of the local flora (2011-2014).

<http://www.medislandplant.eu>

*Italian Partners  
University of Cagliari  
University of Catania*



**Design of a future common integrated land management scheme to protect natural resources in synergy with social and economic valorization (MedLand 2020)**

Improve the area's competitiveness in a way that guarantees growth and employment for the next generations (Lisbon strategy); promote territorial cohesion and environmental protection, according to the logic of sustainable development (Goteborg strategy). The MEDLAND2020 final international conference will take place in Marseille on the 18th of September 2014 (2013-2014).  
<http://www.medland2020.eu/>

*Italian Partners*  
**Province of Macerata**  
**Province of Turin**  
**Instituto per la protezione delle piante**

**Development of the European Management System of Academic Qualifications and valuation of the informal competencies (SATEAN)**

The overall objective of the project is to increase the efficiency of the study programs through restructuring and improving the training and education systems, according to the labour market demands, and to create an academic European consortium in order to support the study programs (2010-2013)

*Italian Partners*  
**Università degli Studi di Camerino**  
**SIDA SRL, Ancona**

**CIHEAM-Montpellier**



**Sustain Agriculture in the Mediterranean Region (SUSTAINMED) 2010-2014**

The overall objective of the EU FP7 SUSTAINMED was to examine and assess the impacts of EU and national agricultural, rural, environmental and trade policies in the Mediterranean Partner Countries (MPCs).

Specific impacts include socio-economic structural changes, income distribution, resource management, trade liberalization, poverty alleviation, employment and migrations trends, as well as commercial relations with major trade partners (in particular the EU) and competitiveness in international markets.

<http://sustainmed.iamm.fr/>

*Italian Partner*  
**Università degli Studi di Napoli - Federico II (UNINA)**



## QESAMED

### QESAMED (2014-2016):

This Tempus project aims to implement or enhance education in quality management and metrology by developing quality procedures on training and transfer processes.

Its objectives are to bring together universities and companies, to strengthen the capacities of higher education institutions by improving their training curriculum and to improve the networking of higher education and agricultural research institutes between the Southern Mediterranean partners and EU Member States.

[http://www.iamm.fr/recherche\\_cooperation/projets/QESAMED](http://www.iamm.fr/recherche_cooperation/projets/QESAMED)

*Italian Partner  
University of Catania*

## CIHEAM-Zaragoza



### LEGumes for the Agriculture of Tomorrow (LEGATO)

The project has been conceived to promote the culture of grain legumes in Europe by identifying priority issues currently limiting grain legume cultivation and devising solutions in term of novel varietal development, culture practices, and food uses. LEGATO will develop tools and resources to enable state of the art breeding methodology and to exploit fully the breadth of genetic resources available (2014-2017).

<http://www.legato-fp7.eu/>

*Italian Partners  
Consiglio per la ricerca e la sperimentazione in agricoltura (CRA)  
Università degli studi di napoli federico II*



### **Enhancing FOrest RESearch in the MediTERRanean through improved coordination and integration (FORESTERRA)**

Part of the ERA-NET initiative, the project aims to reinforce the scientific coordination and integration of Mediterranean forest research programmes as well as scientific cooperation with Mediterranean-area countries (including EU and non-EU member states) and with countries from other Mediterranean Climate Areas (MCA) in this case, Australia, South Africa, Chile and California (2012-2015).

<http://www.foresterra.eu/>

*Italian Partner*

***Consiglio per la ricerca e la sperimentazione in agricoltura (CRA)***



### **Coordinating Research in Support to Application of Ecosystem Approach to Fisheries and Management Advice in the Mediterranean and Black Seas (CREAM)**

Identify the gaps (in terms of data, knowledge, training, coordination) which hamper at present the full application of the Ecosystem Approach in the management of Mediterranean and Black Sea fisheries; training and capacity building to help harmonize date collection and methodologies used in fisheries assessment and management in the Mediterranean and Black Sea. Establish the guidelines for the applications of the Ecosystem Approach to Fisheries in the Mediterranean and Black Sea, both in EU member states and third countries (2011-2014).

<http://www.cream-fp7.eu>

*Italian Partners*

***Consorzio per il Centro Interuniversitario di Biologia Marina ed Ecologia Applicata "G.Bacci" (CIBM)***

***University of Rome "La Sapienza"***

***National Research Council-Institute for Coastal Marine Environment (CNR-IAMC)***



Sistema d'informazione Nazionale sull' Agricoltura Biologica (SINAB)

"SINAB" is the **National Information System on Organic Farming** set up by the Italian Ministry of Agricultural, Food and Forestry Policies (MiPAAF) and implemented by ISMEA - Institute for Market Services on Agro-food Sector and MAIB – Mediterranean Agronomic Institute of Bari. Launched in 1999 and conceived as a single national system, it originated by the integration and cooperation of all the existing information centres, including all the most important research structures. The main SINAB objectives are: the constant updating of the institutional information system on organic farming; the technical-informative support and strengthening of the MiPAAF "Organic Farming" Office activities; the development of a Polycentric Documentation Centre; the development of an Institutional Intranet network. Main SINAB topics and tools are: Bio-Statistics (data warehouse of the national statistics on organic farming); Legislation & Policies (on organic farming at international, European, national and regional level); Research & Experimentation (survey of the activities provided by the main scientific national institutions); Regions (for each Italian Region, information on legislation, Control Bodies, Research Institutes and statistics); Services (news, agenda, press review).

[www.sinab.it](http://www.sinab.it)

*Italian Partners  
Ministry of Agricultural Food  
and Forestry Policies*

## JOINT NETWORKS FOR DEVELOPMENT

CIHEAM-Bari



**Mediterranean Organic Agriculture Network (MOAN)**

**MOAN** is an institutional Network of Ministries of Agriculture currently including 23 Euro-Mediterranean countries: Albania, Algeria, Bosnia and Herzegovina, Croatia, Egypt, France, F.Y.R.O.M.(Former Yugoslav Republic of Macedonia), Greece, Italy, Jordan, Lebanon, Libya, Malta, Montenegro, Morocco, Palestinian Authority, Portugal, Slovenia, Spain, Serbia, Syria, Tunisia and Turkey. Contacts are in progress with Cyprus for its membership finalization.

**MOAN** is a tool for decision makers to exchange information and good practices related to organic agriculture, share common strategies for its further development in the Mediterranean area, promote its identity and enhance its potential in the global arena.

<http://moan.iamb.it/>

*Italian Partner  
Ministry of Agricultural Food  
and Forestry Policies*



## Feeding Knowledge

Developed by CIHEAM-Bari and Politecnico di Milano, Feeding Knowledge is the Expo 2015 Program for cooperation on research and innovation on Food Security. It will contribute to building up the Legacy of Expo, whose claim is: "Feeding the Planet, Energy for Life". The main purposes are the creation of a Mediterranean network focused on research, innovation and transfer of knowledge for Food Security (i), the implementation of a collaborative online environment based on an International Technology Platform (ii), the identification of 12 national local points in order to strengthen National Extension Services in gathering needs related to the transfer of knowledge to stakeholders and farmers (iii), the identification and enhancement of the Best Sustainable Development Practices for Food Security in the frame of Expo Milano 2015 (iv) and the support for policy makers in the elaboration of programmes and policies (v).

[www.feedingknowledge.net](http://www.feedingknowledge.net)

*Italian Partner  
Politecnico di Milano (METID)*



## Mediterranean Science, Policy, Research & Innovation Gateway (MEDSPRING)

The Mediterranean Science, Policy, Research & Innovation Gateway is a coordination and support action (FP7). The project is focused on three societal challenges (Energy, High Quality Affordable Food, and Scarcity of resources) and aims at tackling policy objectives by creating a dialogue and coordination platform of governmental institutions, research organisations, associations and civil society (2013-2016).

<http://www.medspring.eu/>

*Italian Partner  
The National Research Council (CNR)*

**Euro-Mediterranean Cooperation through Eranet Joint Activities and Beyond (ERANETMED)**

The main aim of the project is to enhance Euro-Mediterranean co-ownership through innovation and competitive research in the societal challenges of the region. The project aims at reducing fragmentation of programming in the Mediterranean region by increasing coordination among national research programmes of European Member States, Associated Countries and Mediterranean Partner Countries. The ERANETMED will consider a broad area for research, addressing not only the most important societal challenges of the region but also actions to enhance innovation through applied research, capacity building, mobility and clustering. Its action will result in concrete co-operation between research programmes, such as networking, definition of strategic scientific activities, research structuring for long-lasting and stable cooperation beyond ERANET (2013-2017).

<http://www.eranetmed.eu/>

*Italian Partners*

***The National Research Council (CNR)***

***Puglia Region***

***Ministry of Education, Universities and Research***

**Mediterranean Network of sustainable small-scale fishing communities (FISHINMED)**

Establishment of a Mediterranean network (Euro-Mediterranean observatory) gathering public and private institutions with a view to defining common strategies for the social and economic development of small fishing communities and set up of a local technical support system aimed at diversifying economic activities and increasing the income of the operators involved (2011-2014).

<http://www.fishinmed.eu/author/admin>

*Italian Partners*

***Apulia Region***

***Laore Regional Agency***

***Sicily region***



### The Young Innovators Network for Sustainable Ideas in the Agro-Food Sector (NO-BLE Ideas)

Creating framework conditions to increase dialogue, exchange and mobility among public/private research centers and to promote the development and application of young innovators ideas; creating a system of interlinked offices and a technological platform for the exchange and development of young innovators ideas; increasing young innovators visibility among enterprises and increasing awareness on the importance of innovation; favoring the merging between research demand (enterprises) and supply (young researchers) in order to start-up innovative ideas in the agro-food industry (2012-2014).

<http://www.nobleideas.ro>

*Italian Partners*

**Regional Agency for Technology and Innovation (ARTI)**

**Chamber of Commerce of Bari**

**Politecnico di Milano (METID)**



### Expo Milano 2015 – Side Event on the Mediterranean Diet

The aim of the International Conference is to foster a critical dialogue among all participants, most international experts and high level representatives of Institutions and Governments, on the need to act now together to revitalize the Mediterranean Diet by bringing it back to the people not only for its healthy benefit but as a model of a contemporary sustainable lifestyle.

*Italian Partners*

**CRA-Nut**

**CNR**

**ENEA**

**Forum on Food Culture**



### E.H.P.P.C.-Med

Contribute to improve conditions and modalities of agricultural goods circulation and enhancing dialogue among the Mediterranean territories. Enhance Horticultural Perishable Products Circulation among the Mediterranean territories (2014-2016).

<http://ehppc-med.wix.com/ehppc-med>

*Italian Partners*



**Mainstreaming Gender Dimensions into Water Resources Development and Management in the Mediterranean Region (GEWAMED)**

The project is a coordinated action and this means it emphasizes networking and co-ordination of ongoing research activities. A total of 18 institutions from 14 countries from the Mediterranean Region participate in the project (2006-2010).

<http://www.gewamed.net/index.php>

*Italian Partner*

**National Observatory for Women's Entrepreneurship and Employment in Agriculture (ONILFA)**

ORGANICDATA

NETWORK



**Data network for better European organic market information (OrganicDataNetwork)**

Increase the transparency of the European organic food market through better availability of market intelligence about the sector to meet the needs of policy makers and actors involved in organic markets (2012-2014)

<http://www.organicdatanetwork.net>

*Italian Partner*

**Università Politecnica delle Marche (UPM), Ancona, Italy**



### **European Native Seed Conservation Network (ENSCONET)**

The Network coordinates native seed plant conservation within Europe. Institutions within the network are working together to preserve seeds for the future. ENSCONET provides a platform for partners to exchange experiences, protocols and facilities. Activities are carried out in four areas: Collecting, Curation, Data Management and Dissemination. This network was initially funded by the European Community's Sixth Framework Programme as an Integrated Activity implemented as a Co-ordination Action. Now the network is funded by its own means (2004-2009)

<http://ensconet.maich.gr/>

*Italian Partners*  
**University of Pavia**  
**University of Pisa**  
**Natural Science Museum, Trento**



### **Promoting Mediterranean Dairy Products (LACTIMED)**

Foster the production and distribution of typical and innovative dairy products in the Mediterranean by organising local value chains, supporting producers in their development projects and creating new markets for their products (2012-2015).

<http://www.lactimed.eu>

*Italian Partners*  
**Slow Food Italy**  
**Emilia-Romagna Region-ASTER**



### **Mediterranean Agricultural Markets Information Network (MED-AMIN)**

MED-Amin, launched in 2014, aims at fostering cooperation and experience sharing among the national information systems on agricultural markets. It is dedicated to grain (wheat, corn, barley, and rice), that are strategic for food security in the Mediterranean countries. This network, involving the 13 Member Countries of CIHEAM, operates in relation with the secretariat of the multilateral initiative AMIS (Agricultural Market Information System) located at FAO, and with the European Commission services. Italy has organized the 3rd meeting of the Network in Rome in October 2015.

*Italian Partner*  
**Ministero delle Politiche Agricole Alimentari e Forestali (MIPAAF)**



### **ARIMNET<sub>2</sub>**

ARIMNet is an ERA-Net supporting collaborative interdisciplinary projects based on complementarities between scientists, disciplines and countries in the Mediterranean. It promotes international collaborations to create research consortia in order to respond appropriately to the global stakes and challenges Mediterranean Agriculture is facing. The network identifies scientific priorities, provides funding and cooperation opportunities for researchers to work efficiently on a variety of transnational research projects or other joint activities that contribute to address the huge societal challenges related to food, rural development, water and natural resources that Mediterranean countries are facing today. ARIMNET<sub>2</sub> (2014-2017) will develop an integrated strategic research agenda (ISRA) describing key priorities for Europe and Mediterranean Partners Countries in the field of Mediterranean Agriculture Research and Innovation, will carry on joint activities and will foster agricultural knowledge and innovation system in order to ensure that the agricultural research impact the stakeholders of the Mediterranean basin and support their economies.

<http://www.arimnet2.net/>

*Italian Partners*  
**National Institute of Agricultural Economy (INEA)**  
**Ministero delle Politiche Agricole Alimentari e Forestali (MIPAAF)**



### FAO/CIHEAM Network on sheep and goats

To study and improve the sheep and goat production systems in the Mediterranean Region. In 1996, the collaboration between the three entities (FAO-REU, FAO-RNE and CIHEAM) became official upon the signature of an agreement to create a joint Network. The 11<sup>th</sup> Seminar of the FAO-CIHEAM Sub-Network on Sheep and Goat Nutrition. Advanced nutrition and feeding strategies to improve sheep and goat took place in Catania (Italy), on 8-10 September 2005.

[http://www.iamz.ciheam.org/en/pages/paginas/pag\\_investigacion3.htm](http://www.iamz.ciheam.org/en/pages/paginas/pag_investigacion3.htm)

*Italian Partners*



### FAO-CIHEAM Nuts Network

GREMPA (Group of Mediterranean Research on Almond and Pistachios) Working Group has been co-ordinated by CIHEAM since the seventies. GREMPA work is mainly based on study and improvement of genetic resources with a Mediterranean origin. Furthermore, FAO created in 1990 a Network on Nuts. In 1996 an agreement was signed for the creation of the Inter-regional Research Network on Nuts, in which CIHEAM, FAO-REUR (Europe) and FAO-RNE (North Africa and the Middle East) participate. This Network is one of the networks of the European System of Cooperative Research Networks in Agriculture (ESCORENA).

[http://www.iamz.ciheam.org/en/pages/paginas/pag\\_investigacion2a.htm](http://www.iamz.ciheam.org/en/pages/paginas/pag_investigacion2a.htm)

*Italian Partner  
Università Degli Studi Di Torino*

## **FAO-CIHEAM Network Pastures and Fodder Crops**

The Network was formally created in 1995 upon the agreement between FAO and CIHEAM. But activities on the topic (from thematic meetings to several research projects) had been carried out since the seventies. The objectives of this group of researchers and developers are to study and improve of forage crop production on irrigated and rain-fed land, development and management of typically Mediterranean rangelands and Mountain pastures, and to study and promote the environmental benefits created by grasslands and rangelands.

The Sub-network on Mediterranean pastures and fodder crops, which is currently coordinated by a researcher of CNR-ISPAAM, while the coordinator of the Sub-network on Mountain pastures is a professor of University of Torino.

*Italian partners*

**CNR-ISPAAM, CNR Lodi, University of Sassari, University of Padova, University of Torino, Agris Sardegna, University of Catania, CRA Lodi (Centro di ricerca per le produzioni foraggere e lattiero casearie)**



### **SAMEFOOD**

SAMEFOOD (Safe Mediterranean Food Network) is an initiative promoted since 2013 by the Mediterranean Agronomic Institute of Zaragoza of the International Centre of Advanced Mediterranean Agronomic Studies (IAMZ-CIHEAM) with the following general objectives: (i) To strengthen scientific cooperation for food safety in the Mediterranean Basin, focusing especially on North-South and South-South cooperation; (ii) to promote a scientifically-based risk approach in food safety risk assessment and communication in the Mediterranean countries. The kick-off Seminar of SAMEFOOD (Zaragoza, Spain, 10-11 June 2014) was organized by IAMZ-CIHEAM with the collaboration of EFSA, and entitled "Food Safety Challenges for Mediterranean Products".

<http://www.iamz.ciheam.org/samefood/>

*Italian partners*

**Istituto Superiore di Sanità, Istituto Zooprofilattico Sperimentale delle Venezie, IZS del Piemonte, Liguria e Valle d'Aosta, CRA (Centro di Ricerca per gli Alimenti e la Nutrizione)**

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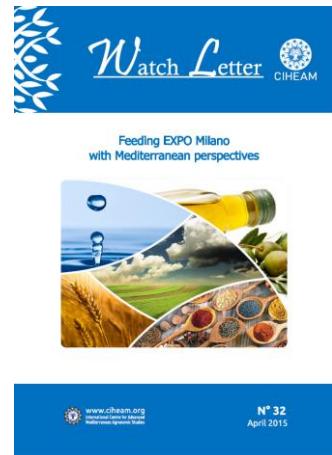
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Press Review

- Frequent articles on Italy published in the CIHEAM Press Review System.  
<http://www.scoop.it/ciheam-press-review>



## ANNEX

### CIHEAM-Bari and Italian Cooperation with the Mediterranean

The country activity report (CAR) aims at illustrating the activities of CIHEAM in the reference country.

Italy is one of the CIHEAM founding countries where one of its 4 institutes is located. In its activity report, a chapter is dedicated to cooperation and research activities financed by the Italian institutions and implemented by CIHEAM in general and by CIHEAM-Bari in particular.

In Italy, CIHEAM-Bari contributes to acquiring skills and capacities at local level which may have an impact on Mediterranean countries; the experience gained in its dialogue with the Italian institutions, agencies, organizations and private companies allows to promote partnership with Mediterranean third countries in the fields of training, research and cooperation.

These actions cover issues of general interest such as food security, poverty alleviation, capacity building at institutional level, more efficient use of natural resources, improving agricultural production and productivity, promotion of organic farming, development of sustainable food systems, resilience to climate change.

Integrated knowledge systems are the result of opportunities provided by the Italian system to CIHEAM-Bari and of the attention paid by CIHEAM-Bari to institutional dialogue with the various ministries (agriculture, foreign affairs, environment, research, health) and local agencies (regions, provinces and municipalities); to that, we shall add the ability to develop projects on the basis of the complementarity that financial instruments offer to produce synergy at local level and promote long-standing actions.

The data sheet reports the major collaborations of the latest years between CIHEAM-Bari and the Italian Ministries; emphasis is laid on the activities which are also replicable in third countries.

#### **Italian Ministry of Foreign Affairs and International Cooperation**

Over the last ten years, the Italian Ministry of Foreign Affairs, through its General Direction for Development Cooperation, has made great efforts to implement cooperation activities in order to promote sustainable development in the Mediterranean area. As requested by several governments in the region, cooperation activities were negotiated, designed and implemented through CIHEAM-Bari. The cooperation projects implemented in the last seven years are almost 20 with a total allocated amount of 35 million Euros, covering the following countries: Algeria, Egypt, Ethiopia, Iraq, Lebanon, Libya, Syria and Tunisia.

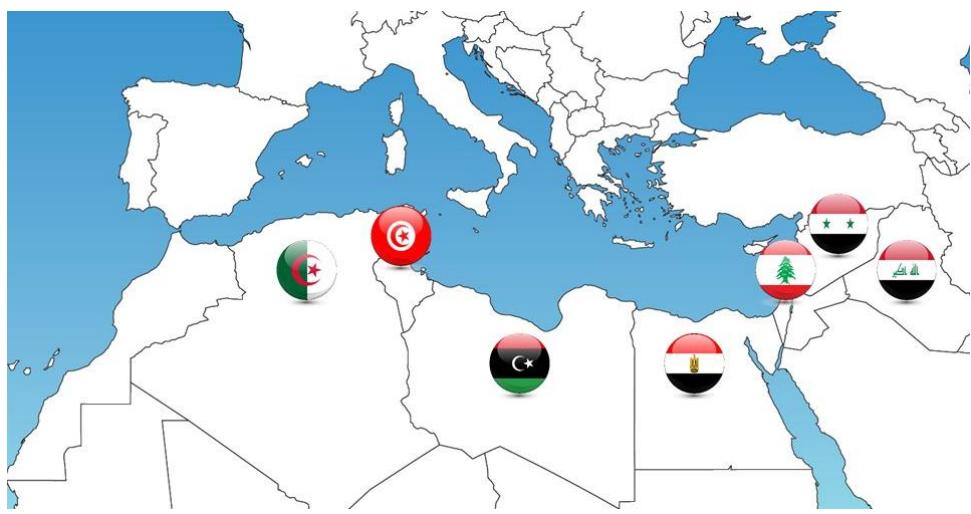
The projects are planned, developed, and implemented in order to be complementary and synergic in the respect of the countries' priorities, of the indications suggested by the Italian Ministry of Foreign Affairs-General Direction for Development Cooperation and of a participatory, inclusive and integrated bottom-up-bottom methodology. The scope of the projects is also extended to the private sector and to geographical contexts where their potential impact is high.

More specifically, projects are developed so as to link institutional and capacity building with the economic, social and local development.

The main issues covered by the projects are reported hereinafter.

| <b>Country</b>        | <b>Main issues</b>  |
|-----------------------|---|
| Algeria               | Certification of nursery fruit crops (2008-2011)  |
| Egypt                 | Rehabilitation of wadis, land management and building of basins in the Marsa Matrouh governorate (2014-2016)  |
|                       | Sustainable Agricultural Mechanization System Improvement (2015-2017)   |
|                       | Marine Aquaculture Development in Egypt (2015-2018)   |
|                       | Setting up of macroactions at local level for the promotion of women's role (2014 – 2009)   |
| Ethiopia              | Setting up research and extension chain from the central level to the Kebele level (2011-2014)  |
| Iraq                  | Master and Ph.D. courses for Iraqi officials in other Italian institutions (2011-2017)  |
| Lebanon               | Socio-economic development of oil-producing families in marginal areas (2008-2012)  |
| Syria                 | Rational use of natural resources for the development of agricultural productions in North-Eastern Syria (2010 – suspended due to the situation in the country) |
|                       | Agriculture and Livestock Support for Syrian People (2015-2017)   |
| Tunisia               | Actions to support the development of fruit and vegetables supply chains (2007-2010)  |
| Tunisia-Libya-Egypt   | Setting up systems of economic development along the Mediterranean coasts of Tunisia, Egypt and Libya (2014-2017)   |
| Tunisia-Lebanon-Egypt | Development of instruments for the promotion of women's role and creation of an institutional support in the 3 countries (2014 – 2015)                          |





In addition, other grants by the Italian Ministry of Foreign Affairs allowed CIHEAM-Bari to develop Distance Learning skills. The current Course Catalogue comprises 25 on-line courses in Arabic, English, French and Italian covering the following topics: Irrigation management, Integrated pest management, Organic agriculture and Sustainable agriculture and rural development.

### **Ministry for Agriculture, Food and Forestry Policies**

Over the last years, the Italian Ministry for Agriculture, Food and Forestry Policies has granted (following open calls for proposals) a total number of 30 projects to CIHEAM-Bari with a total budget of 10 million Euros.

The main activity was to promote and monitor organic agriculture in Italy as well as to provide assistance to the internationalization of the Italian organic sector.

It was carried out mainly through:

- **SINAB** - An observatory on national organic agriculture since the year 2000 (<http://www.sinab.it/>);
- **InterBio** - National Action Programme for Organic Products –Promotion of domestic and international demand;
- **Biofrontiere with INEA** - The international projection of the Italian organic agriculture.

Activities were also carried out in the fishery sector in collaboration with foreign partners:

- **PESCAMED** "Development of cooperation in the fishery sector in the Mediterranean: the world of labour, producers' organizations, consumers' associations and training (**Albania, Algeria, Croatia, Egypt, Lebanon, Montenegro, Morocco, Syria, Tunisia and Turkey**)

### **Ministry of the Interior**

The Ministry of the Interior launched the promotion of financial instruments for the design of programmes aimed at the social integration of citizens from third countries. These programmes were developed in order to (i) provide assistance to foreign citizens willing to establish businesses in Italy and (ii) organize training courses in their countries of origin tailored to the needs of Italian agriculture thereby promoting migration between Italy and the countries where labour force is more available.

The projects developed in agriculture were:

- ✓ **S.O.F.I.I.A. 1 and 2.** Promoting the auto-entrepreneurship in the agricultural sector and setting up a farm (**Non EU Countries**)

- ✓ **AFORIL.** Training in country of origin of immigrants agricultural workers (**Egypt, Morocco, Tunisia**)

### **Ministry of Research and Higher Education**

The Ministry of Research and Higher Education has allowed CIHEAM-Bari to extend the network of Italian researchers from the National Research Council and from universities involved in the setting up of research work or methods for disease diagnosis, characterization of local varieties, identification of metabolites and contaminants of food, improvement of the shelf life of organic and conventional products, etc.

Two projects are reported: one on the packaging of fresh organics and the other on the identification of functional food:

- ✓ "Promotion of eco-sustainable processes for the enhancement of agro-food production in Puglia" (**ECO\_P4**)
- ✓ "Innovatory and technological protocols for functional food production" (**Pro.ali.Fun.**)
- ✓ Rural Hub

### **Ministry for the Environment**

Thanks to the Ministry for the Environment, CIHEAM-Bari has developed policies of land management and protection of the natural and productive eco-system. Through LIFE projects innovative experiments have been made with the active participation of citizens through campaigns and instruments for data collection, thereby stimulating new approaches to research and developing policies for a better management of biodiversity in Italy with the involvement of citizens.

The projects are as follows:

- ✓ **CENTOLIMED-LIFE** project: Identification and conservation of the high nature value of ancient olive groves in the Mediterranean region
- ✓ **CSMON-LIFE** project: developing an active collaboration between scientists, public administrations and citizens in the monitoring and preservation of biodiversity.

### **Ministry of Labor and Social Affairs**

The Ministry of Labor and Social Affairs has requested the collaboration of **CIHEAM-Bari** in order to start negotiations with the Mediterranean and Balkan countries aimed at developing strategies for job opportunities in agriculture, training of labour force in the countries of origin, institutional dialogue between countries to facilitate the admission of laborers In Italy.

CIHEAM was proposed to support the Ministry of Labour in the selection and training of operators for rural development, agri-tourism, fishery and aquaculture in the Mauritius islands for a better integration of the Mauritius community in Italy.

### **Regional authorities**

The cooperation with the regional authorities mainly with Puglia Region has been consolidated through years of collaboration. Technical assistance is provided to the local government of Puglia for the development of local policies, planning of financial instruments, land monitoring for quarantine diseases, management of European programmes for the fishery sector.

- Monitoring of quarantine diseases of stone fruits and citrus and certification of plant propagating material;

- Technical assistance to implement the regional programme « Qualification and enhancement of quality typical products of Puglia».
- Rural development plan of Puglia Region
- Implementation of the Fishery European Programme

In the last year, due to the emergency of *Xylella fastidiosa* the Puglia Region attributed to our Institute 3 projects:

- Apulian monitoring of *Xylella fastidiosa* by Photointerpretation of aerial images, analyses on spy insects and plant material
- Setting up and validation of innovative methods and protocols for large scale monitoring of *X. fastidiosa* in plants and insects.
- Development of a central server for the management for monitoring data in real time.

Furthermore, the collaboration with Puglia region also covers the international context in the elaboration of instruments of regional planning for the Balkans and for the Mediterranean area.

These actions have been implemented with the creation of a consortium of Italian regions for the development of some important projects in Egypt and Argentina.

➤ **Decentralized cooperation**

- Activation of integrated production systems between Italy and Egypt "**S.P.I.I.E.**"
- Programme for the Protection, Rational And Efficient Use of Water Resources - Egypt "**PUER**"
- Implementation of rural development programme in the Provinces of Santa Fè e Mendoza – Argentina

Some initiatives under regional cooperation funds (ENPI, Interreg Italy-Greece, MED, SEE, IPA) are reported.

➤ **INTERREG Italy - Greece**

- Improving governance and sustainability of coastal and marine protected areas and contributing to the implementation of the Natura 2000 provisions in Italy and Greece "**BIG**"
- Promotion of Traditional Food Products for competitiveness and Innovation of Italian and Greek SMEs "**FOODING**"
- INtroducing innovations in TRAditional agro-food products to increase SMEs competitiveness "**INTRA**"
- 

➤ **European Neighbourhood Policy and of its financing instrument - ENPI**

- Mediterranean Network of sustainable small-scale fishing communities "**FISHINMED**"
- Professionalism of young people in the fisheries sector towards forms of revenue diversification (e.g. fishing tourism, ichthyotourism, environmental and cultural operators) and support to entrepreneurship "**ReadyMedFish**"

➤ **MED**

- Transnational Network for enhancing the Mediterranean organic olive-growing competitiveness. "**BIOLMED**"

**EXPO Milan 2015 Feeding Knowledge ([www.feedingknowledge.net/it](http://www.feedingknowledge.net/it) )**

Expo Milano 2015 has promoted international projects and requested to CIHEAM-Bari to set up *Feeding Knowledge*, whose main goal is to share and exchange needs and knowledge on issues about food

security. The programme is operated on a technological platform which is the environment for sharing information, acquiring knowledge and applying innovative *e-collaboration* strategies.

The programme was launched in 2012 in collaboration with METID (Polytechnic of Milan); it is under way through two projects: i) Euro-Mediterranean scientific network on food security; ii) Collection and promotion of best practices for food security.

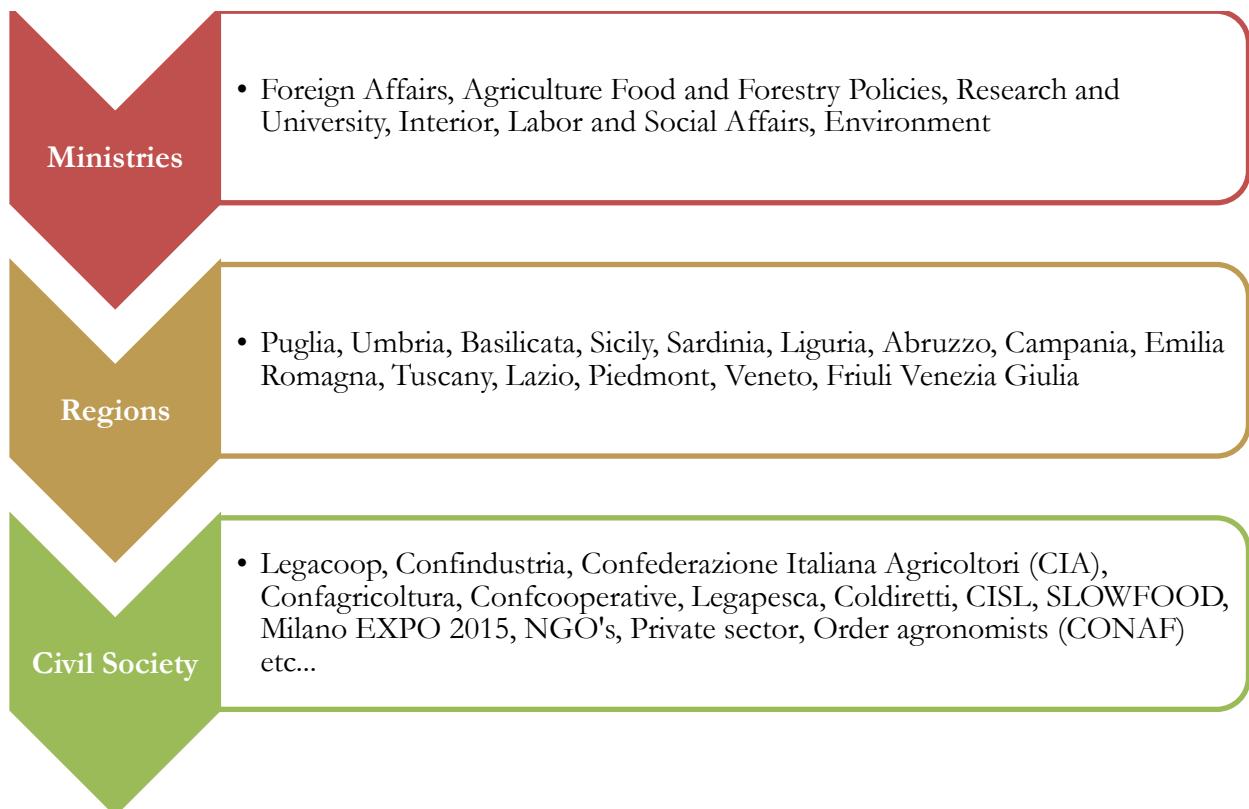
The following results have been achieved by the programme: a Med network on food security in 10 Mediterranean countries (Local Points at Ministries and scientific institutions); an international Network on research and innovation for food security with over 2000 members (database with more than 1000 research works); a laborious activity on research priorities on food security made by the said network (5 *white papers*) and a *policy paper* on research and innovation policies on food security shared with the Mediterranean institutional network (10 countries and several international organizations). The call for best practices, closed on 31 October 2014, recorded a considerable participation with the application of 776 BSDP.

FK Programme is designed to contribute to EXPO Milan legacy, through the creation of a "Widespread centre of skills for food security in the Mediterranean area".

## Research and education agreements with Italian partners

- ✓ Università degli Studi di Bari - "Aldo Moro"
- ✓ Consiglio Nazionale delle Ricerche (CNR)
- ✓ Università degli Studi di Napoli "Parthenope"
- ✓ Università degli Studi della Basilicata
- ✓ Università per Stranieri di Perugia
- ✓ Politecnico di Milano
- ✓ INEA - Istituto Nazionale di Economia Agraria - Roma
- ✓ ISMEA - Istituto di Servizio per il Mercato Agricolo Alimentare -Roma
- ✓ CRSA Centro di Ricerca e Sperimentazione in Agricoltura Basile-Caramia
- ✓ Università degli Studi di Foggia
- ✓ Università degli Studi della Tuscia (Viterbo)
- ✓ CRA - Consiglio per la Ricerca e la Sperimentazione in Agricoltura
- ✓ OICS- Osservatorio Interregionale Cooperazione allo Sviluppo
- ✓ Politecnico di Bari
- ✓ Università del Salento
- ✓ Università LUM Jean Monnet

As a result of years of collaboration, CIHEAM works with hundreds of institutions at all levels.



This activity report is intended to synthetically present the main actions currently or recently conducted by CIHEAM with the Italian authorities and national partners for training , research and cooperation .

This report is prepared annually and published every January on the website of CIHEAM . It is produced and edited within the General Secretariat based on information provided by the CIHEAM Institutes and capitalizing the institutional current events between the Organization and the country.

The contents of this report commits only CIHEAM.

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