



CIHEAM
International Centre for Advanced
Mediterranean Agronomic Studies

Country Activities Report

December 2015

PORTUGAL

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



KEY INFORMATION



Date of Adhesion

1962

Compulsory Contribution in 2015

68 000 €

Name and Position of the Delegate

Nuno Canada

President of the Board, Instituto Nacional de Investigação Agrária e Veterinária (INIAV)

Education and Training

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

51 Portuguese students including 11 scholarships

CIHEAM Specialized Training (from 2004/2005 –to 2014/2015)

117 Portuguese participants including 9 scholarships

Main current research programmes

Ecowater, Medland2020, Legato, Foresterra

Main current projects and networks

MOAN, Med-Spring, EranetMed, MED-Amin, Ensonet, Arimnet, Sheep and goats, Pastures and Nuts

Last political events with Portugal

Participation in the 5+5 Ministerial Meeting, *Algiers, November 27th, 2013*

Participation in the 10th CIHEAM Ministerial Meeting, *Algiers, February 6th, 2014*

Participation in the Euro-Mediterranean Conference on Agriculture, *Palermo, November 28th, 2014*

Last publications

Seabra Pinto A., Cabral Rolo J., Trade, Logistics and Agro-Food Strategies in Portugal, in Lacirignola C. (ed), Abis S. (ed.), Blanc P. (ed.), CIHEAM. (2014). *Logistics and agro-food trade. A challenge for the Mediterranean*. Paris (France): Presses de Sciences Po, pp. 373-385

To be recorded

- Jeronimo Godinho Avo was President of CIHEAM Governing Board between 1995 and 1999
- The 88th Meeting of CIHEAM Governing Board took place in Lisbon on December 1994

POLITICAL DIALOGUE

CIHEAM Ministerial Meetings

Portugal has been involved in all the Meetings of the Ministers of Agriculture, Food and Fisheries of the CIHEAM Member Countries. CIHEAM organised the first meeting of its thirteen member countries' ministers of agriculture in 1999. 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 the 6th of 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. Prof. Nuno Vieira e Brito, Secretary of State of Food and Agri-food Research, was the head of the Portuguese Delegation for this 10th CIHEAM Ministerial Meeting in Algiers.



10th Meeting of Agricultural Ministers of CIHEAM Member States

During its speech, he explained: *"Since its creation, CIHEAM has been able to assert itself as an internationally recognized center for learning, valorization, knowledge and innovation. This reputation is shown through the quality of its advanced specialized training, its investment in research and investigation, and through the promotion of political and strategic debate about the region and within the region, either in agriculture, sea, food or sustainable rural development in the Mediterranean basin. So, as I am a former student of this center (which honors me), a professor, a researcher and, currently, a member of the Government with responsibilities in the area of food and agri-food research, it is, therefore, an added privilege to participate in this meeting"*

Official Visit of CIHEAM's Staff in Portugal



On the 11th and 12th of March 2014, the Secretary General, the Directors and some Administrators of CIHEAM visited Lisbon in order to participate in a set of meetings with the Delegate of Portugal and the National

Institute of Agrarian and Veterinary Research (INIAV) Heads of Department and Research Staff. The discussion was centered on how to strengthen Portugal's role and turn it more proactive in the CIHEAM system. Priority areas were identified (among others): Animal and plant health (i), Breeding and bioinformatics (ii), Food security and safety (iii) and Natural resources management (iv).

During the discussions, it was recalled that it is important to integrate INIAV researchers into CIHEAM networks and platforms like ERANET-MED, MEDSPRING and associate them to the preparation of future Horizon 2020 action proposals. A working dinner with Prof. Nuno Vieira e Brito, Secretary of State of Food and Agri-food Research in Portugal, was also organized in the framework of this bilateral meeting.

Euro-Mediterranean Conference on Agriculture (2014)

In the framework of the Italian Presidency of the Council of the European Union, on the 28 November 2014, the Italian Authorities have organised a Euro-Mediterranean Conference on Agriculture in Palermo (Sicily) and focused on Young Generations and Research in Agriculture. Ministers or Representatives of 27 countries from the European Union, the Balkans, North Africa and the Middle East as



Euro-Mediterranean Conference on Agriculture, 2014

well FAO Director General and several international and regional organisations (European Commission, CIHEAM, UfM, ICARDA, CEJA, SWG-RDD) participated to the Conference.

Portugal participated in the Conference at the highest level with the presence of Mrs. Assunção Cristas, Minister of Agriculture and Sea. In the interview she gave for CIHEAM Watch Letter 31 and published just after the Palermo Conference, in December 2014, the Minister said about CIHEAM *"Nothing is done without research and scientific data. If I mentioned innovation a few minutes ago, it goes without saying where innovation comes from: from research, done both at public and private level, by stakeholders at national and international level. In that context, CIHEAM is crucial and we have many scientists who have done part of their careers within CIHEAM and from which we have highly benefited. Cooperation in training and research is a crucial tool for everyone! In particular professional training, related with fisheries and aquaculture are of great importance to support the development of coastal communities and a sustainable use of the Mediterranean. And, of course, I cannot finish without mentioning that Portugal will host the Ministerial Meeting of CIHEAM, for the first time in decades! We are very happy to welcome CIHEAM and its members in Portugal to discuss, at political level, the challenges ahead for the Mediterranean countries. We are waiting for you!"*

2015 Main Events

With **Portugal**, the preparatory meeting for the 11th CIHEAM Ministerial meeting was held in Lisbon on the 14 and 15 April 2015. The Sherpas of the 13 Member States met to discuss both the objectives of the Ministerial meeting and its logistical aspects. Initially scheduled for September 2016, the Ministerial meeting has been postponed to 2016 given some difficulties in the regional agenda and because the political election in Portugal.

The Portuguese Minister of Agriculture, Ms. Assunção Cristas also invited the Secretary General to the Ministerial meeting on oceans and the Blue economy that was held in Lisbon on the 5 June 2015. The participation of the CIHEAM to this important event could not be ensured due to the lack of compatibility of agendas but the Secretary General has presented the growing mobilisation of the Organisation in these fields and those of fishing and aquaculture in the Mediterranean.

EDUCATION, CAPACITY BUILDING & TRAINING

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

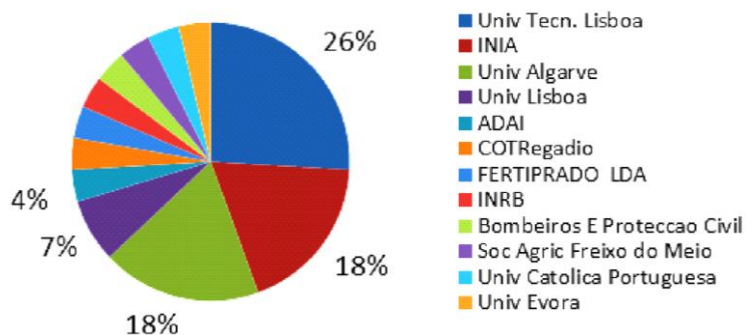
51 Portuguese students including 11 scholarships

CIHEAM Specialized Training (from 2004/2005 –to 2014/2015)

117 Portuguese participants including 9 scholarships

A strong relationship with CIHEAM-Zaragoza

39 Portuguese Guest Lecturers since 2001



24 students in the MSc cycles since 2001

(Especially in Olive Growing and Oil Technology and in Marine Aquaculture)

192 participants to the Specialized Training since 2001 (including 33 from the private sector)
(Especially in Environment and Animal production)

Zoom on the Erasmus Mundus EDAMUS

"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 composition of our consortium meets these requirements. In the consortium, in which CIHEAM is the main partner, the Catholic University of Porto is associated member, and more precisely the College of Biotechnology. The person contact is Cristina L.M. Silva.



FORMER STUDENT FOCUS



Nuno Vieira e Brito is the Secretary of State of Food and Agri-food Research of Portugal. He is a Doctor of Veterinary Science, University of Trás-os-Montes and Alto Douro, (2002) He was student at CIHEAM-Zaragoza, graduated in animal production (1993). Internationally, he assumed the positions of Chief Veterinary Officer (CVO), Portugal Delegate for the World Organization for Animal Health (OIE), Manager Board of the European Medicine Agency (EMA), Vice-Chairman of the Regional Steering Committee of the Global Framework of the Progressive Control of Transboundary Animal Diseases the (GF-TADs), Board Member of the European Association Animal Production and Board Member of the Veterinary European Transnational Network for Nursing Education and Training (VETNNET).



João Guerreiro, former Rector of the University of Algarve, Portugal (2006-2013), is full professor at the University of Algarve focusing on Research on rural and local development and economics of innovation and responsible for the Scientific coordination of the Division of Entrepreneurship and Technology Transfer. He holds a BSc in Geography from the University of Lisbon (1983), a Master of Science in Integrated Planning for Rural Development and Environmental Management from CIHEAM-Zaragoza (1986) and a PhD in Economic Sciences (Rural Economy) from the University of Algarve (1994). He has recently been appointed by Portugal Deputy Minister for Regional Development and by the Minister for Education and Science as coordinator of a working group whose mission is to design the Strategy for the Internationalisation of Higher Education in Portugal.



Rita Susana Lopes da Veiga has a BSc in Plant Protection from Instituto Superior de Agronomia, Technical University of Lisbon (Portugal) (2005). She has an MSc from CIHEAM-Chania, Dept. Sustainable Agriculture (2006-2008). Her thesis was entitled: *A yeast two-hybrid system approach to identify tomato proteins interacting with Pepino mosaic virus (PepMV) proteins*. She did her PhD at Utrecht University Netherlands, 2008-2012 on *Biological weed control with soil fungi? Antagonistic effects of arbuscular mycorrhizal fungi on the growth of weeds*. She spends since 2013 her Post-doctoral period, at the University of Michigan (USA).



Antonio Sousa has an MSc from CIHEAM-Montpellier (1989-1990) and a PhD in Management (2000). From 2010 to 2011, he was Director of the "Companhia das Lezírias", specialized in agro-food. He is currently Professor at the Department of management of the University of Evora.

JOINT RESEARCH & TECHNICAL PROJECTS

CIHEAM-Bari



Meso-level eco-efficiency indicators to assess technologies & their uptake in water use sectors (EcoWater)

Research Project supported through the 7th Framework Programme of the European Commission. It aims at the development of meso-level eco-efficiency indicators for technology assessment, through a systems' approach, and is implemented by a Consortium of 10 Institutes and Universities across Europe (2011-2014).

<http://environ.chemeng.ntua.gr/ecowater/>

Portuguese Partner
Universidade do Porto

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.

<http://www.isa.utl.pt/ceabn/projecto/2/79/medwildfirelab-global-change-impacts-on-wildland-fire-behaviour-and-uses-in-mediterranean-forest-ecosystems-towards-a-laquo-wall-less-raquo-mediterranean-wildland-fire-laboratory>

Portuguese Partners
ISA-CEABN - Universidade de Lisboa, Instituto Superior de Agronomia, Centro de Ecologia Aplicada "Prof. Baeta Neves"
UTAD-CITAB, (INRA-URFM's subcontractor) Universidade de Trás-os-Montes e Alto Douro
Escola de Ciências Agrárias & Veterinárias

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.

*Portuguese Partner
Universidade de Lisboa /Portugal*



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/>

*Portuguese Partner
Development and Innovation Network (RCDI)*



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/>

*Portuguese Partner
Instituto Superior de Agronomia, Centro de Ecologia Aplicada*



Water demand management knowledge base for the Mediterranean (WADEMED)

The project is a concerted action of the programme INCO-MED which objective is to constitute a knowledge base summarizing the experiences of agriculture water demand management in the Maghreb countries. It aims at identifying the impediments to the establishment of water saving measures, and proposing recommendations to improve the politics of water demand management (2003-2007).

<http://www.iamm.fr/recherche/projets/WADEMED>

Portuguese Partner
Instituto Superior de Agronomia



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/>

Portuguese Partners
Universidade Nova de Lisboa
Patrimus Industria SA
Instituto Nacional de Investigação Agrária e Veterinária (INIAV)



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/>

*Portuguese Partner
Fundação para a Ciência e a Tecnologia (FCT)*



Improved Drought Early Warning and Forecasting to strengthen preparedness and adaptation to droughts in Africa (DEWFORA)

The project will focus on drought early warning and mitigation in Africa. Many regions of Africa are drought prone and exemplify the challenges in advancing drought forecasting, early warning, and mitigation for societies with differing vulnerability (2011-2013).

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

*Portuguese Partner
Universidade do Porto*



Forest fire under climate, social and economic changes (Fume)

An EU7th Framework Programme funded project that aims at documenting and evaluating which changes in the land or in other factors occurred in the last decades that affected forest fires in Europe and other fire-affected areas of the world. By understanding of the causes underlying past changes in fire regime and with projections of future (XXI century, several time-slices) climate and other socioeconomic factors that could affect fire, projections of the likely impacts on the vegetation and landscapes and on fire regime will be made (2010-2013).

http://cordis.europa.eu/result/report/rcn/54266_en.html

*Portuguese Partner
Instituto Superior de Agronomia and Universidade de Lisboa*



Mediterranean Organic Agriculture Network (MOAN)

MOAN is an institutional Network created in 2006 (first, it was launched in 1999 by involving experts) that plans to gather the Ministries of Agriculture of 24 Euro-Mediterranean countries. MOAN is a tool for decision makers to exchange information and good practices related to organic agriculture, to share common strategies for its further development in the Mediterranean area and to valorise its potential and identity in the global debate.

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

*Portuguese Partner
Ministry of Agriculture and Rural Development*



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/>

*Portuguese Partners
Fundação para a Ciência e Tecnologia (FCT) and Ministério da Educação e Ciência*



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. ERANETMED responds to the need to develop new ways of “sustainable” cooperation, in which both European and MPC partners will equally participate and benefit from the output and the opportunities created by the project. 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/>

Portuguese Partners

Fundação para a Ciência e Tecnologia (FCT) and Ministério da Educação e Ciência

CIHEAM-Chania



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/>

Portuguese Partner

Jardim Botânico - Fundação da Universidade de Lisboa (Lisbon)



ARIMNET₂

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. It 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 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/>

*Portuguese Partner
Fundação para a Ciência e a Tecnologia (FCT)*



Pastoralism and societies (TerrAMed NETWORK)

The Mediterranean network "Pastoralism and Society" gathered researchers, operators, and institutions linked to pastoralism for it being recognized as a cultural and landscape heritage according to the UNESCO Convention on World Heritage. It was created to help the State party and inter manager although "The Causses and the Cévennes" Agreement, to fulfill their commitment to support the construction of a "balanced and representative" list in the Mediterranean countries. An agreement was signed between the Ciheam Montpellier and the Agreement on the basis of partnership and networking. The network develops three themes: "landscape and heritage", "sustainable development" and "Culture and Society" (2008 -...). He has organized three regional expert meetings in Tirana, Albania (2009), Montpellier, France (2011) and Kalambaka, Greece (2014).

<https://terramed.iamm.fr>

*Portuguese Partner
Evora University*



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.

<http://www.med-amin.ciheam.org/en/>

*Portuguese Partner
Instituto Nacional de Investigação Agrária e Veterinária (INIAV)*

CIHEAM-Zaragoza



FAO/CIHEAM Network on sheep and goats

The network aims 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. This Network is one of the networks of the European System of Cooperative Research Networks in Agriculture (ESCORENA). The Network collaborates actively with other international networks and institutions as EAAP, the RME network (Réseau Méditerranée Élevage) and IDF. The 6th Sub network Seminar was held in Ponte de Lima in November 2007. This seminar was valorised by an Options Méditerranéennes publication.

http://www.iamz.ciheam.org/en/pages/paginas/pag_investigacion3.htm

*Portuguese Partners
Ministry of Agriculture and Rural Development
Escola Superior Agrária de Ponte de Lima (ESAPL)
Instituto Politécnico de Viana do Castelo (IPVC)*



FAO-CIHEAM Pastures and Forages Network

Study and improvement of forage crop production on irrigated and rain-fed land, development and management of typically Mediterranean rangelands; study of forage feeding value, by-products and rangelands of the Mediterranean. The FAO/CIHEAM Network has been in operation since 1995. This Network is one of the networks of the European System of Cooperative Research Networks in Agriculture (ESCORENA). The 12th Meeting of the Mediterranean Subnetwork was held in Elvas in April 2008.

http://www.iamz.ciheam.org/en/pages/paginas/pag_investigacion3b.htm

Portuguese Partners

INIA-ENMP (Estação Nacional de Melhoramento de Plantas)

Sociedade Portuguesa de Pastagens e Forragens (SPPF)

Instituto Superior de Agronomia, Universidade de Évora, Instituto Politécnico de Bragança,

Instituto Politécnico de Castelo Branco, Instituto Superior Técnico- Universidade Técnica de

Lisboa, FERTIPRADO, Escola Superior Agrária de Elvas, Universidade de Trás-os-Montes e Alto Douro



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). The Network collaborates frequently with ISHS and Bioversity International. The 13th Edition of GREMPA Meetings was held in Mirandela (Portugal) in 2004.

http://www.iamz.ciheam.org/en/pages/paginas/pag_investigacion2a.htm

Portuguese Partners

Estação Nacional Fruticultura, Alcobça

Instituto de Biologia Experimental e Tecnológica (IBET)

Ministry of Agriculture and Rural Development



SAfe MEditerranean FOOD Network

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

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

Portuguese partners

Instituto Nacional de Investigação Agrária e Veterinária, Universidade de Coimbra, Instituto de Apoio às Pequenas e Médias Empresas e à Inovação (IAPMEI)

LAST PUBLICATIONS

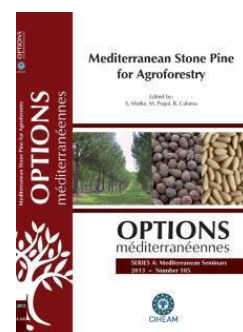
Mediterra

- Seabra Pinto A., Cabral Rolo J., **Trade, Logistics and Agro-Food Strategies in Portugal**, in Lacirignola C. (ed.), Abis S. (ed.), Blanc P. (ed.), CIHEAM. (2014). *Logistics and agro-food trade. A challenge for the Mediterranean*. Paris (France): Presses de Sciences Po, pp. 373-385



Options méditerranéennes

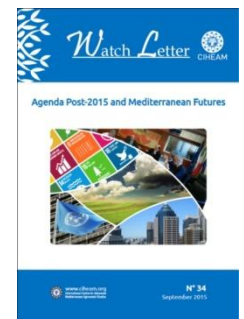
- Marques M.R., Martins A.P.L., Belo A.T., Ribeiro J.M., Martins M.P.V., Miranda R., Duthoit T.M., Belo C.C., **Effect of growth hormone polymorphisms and of diet on the productive performance and technological quality of Serra da Estrela sheep milk**. In Baumont R. (ed.), Carrère P. (ed.), Jouven M. (ed.), Lombardi G. (ed.), Lopez-Francos A. (ed.), Martin B. (ed.), Peeters A. (ed.), Porqueddu C. (ed.), *Forage resources and ecosystem services provided by Mountain and Mediterranean grasslands and rangelands*. CIHEAM, 2014. p.345 (Options Méditerranéennes: Série A. Mediterranean Seminars; n. 109). Meeting of the « Mountain Pastures, Mediterranean Forage Resources (FAO-CIHEAM) and Mountain Cheese », 2014/06/24-26, Clermont-Ferrand, France.
- Carrasquinho I., Gonçalves E., **Mediterranean stone pine (Pinus pinea L.) genetic variability for growth traits in a Portuguese provenance trial**. In : Mutke S. (ed.), Piqué M. (ed.), Calama R. (ed.). *Mediterranean stone pine for agroforestry*. Zaragoza : CIHEAM / FAO / INIA / IRTA / CESEFOR / CTFC, 2013. p. 59-66. (Options Méditerranéennes : Série A. Séminaires Méditerranéens; n. 105). AGROPINE 2011 International Meeting on Mediterranean Stone Pine for Agroforestry, 2011/11/17-19, Valladolid (Spain).
- Evaristo I., Batista D., Correia I., Correia P., Costa R. **Chemical profiling of Portuguese Pinus pinea L. nuts and comparative analysis with Pinus koraiensis Sieb. & Zucc. commercial kernels**. In : Mutke S. (ed.), Piqué M. (ed.), Calama R. (ed.). *Mediterranean stone pine for agroforestry*. Zaragoza : CIHEAM / FAO / INIA / IRTA / CESEFOR / CTFC, 2013. p. 99-104. (Options Méditerranéennes : Série A. Séminaires Méditerranéens; n. 105). AGROPINE 2011 International Meeting on Mediterranean Stone Pine for Agroforestry, 2011/11/17-19, Valladolid (Spain).
- Peres C., Peres C.M., Moreira L., Alves M. , Maricato J. , Xavier Malcata F. **Table olives: A natural source of health-promoting bioactive nutrients and probiotics**. In: Present and future of the Mediterranean olive sector. N. Arcas, F.N. Arroyo López , J. Caballero, R. D'Andria, M. Fernández, R. Fernández-Escobar, A. Garrido, J. López-Miranda, M. Msallem, M. Parras, L. Rallo, R. Zanolli (eds). Zaragoza: CIHEAM / IOC. 2013, 207 p. (Options Méditerranéennes, Series A: Mediterranean Seminars, No. 106)
- Carvalho L., Fernandes M.J., Fernandes H., Semedo-Lemsaddek T., Elias M., Barreto A.S., Fraqueza M.J. **Selection of staphylococci strains isolated from a Portuguese traditional fermented/dry sausage for potential use as starter cultures**. In : De Pedro E.J. (ed.), Cabezas A.B. (ed.). *7th International Symposium on the Mediterranean Pig*. Zaragoza : CIHEAM, 2012. p. 427-430. (Options Méditerranéennes : Série A. Séminaires Méditerranéens; n. 101). 7. International Symposium on the Mediterranean Pig, 2010/10/14-16, Córdoba (Spain).
- Neves J.A., Freitas A., Martins J.M., Tirapicos Nunes J. **Physical measures of the carcass and the chemical composition of Longissimus dorsi muscle of Alentejano pigs between 70 and 110 kg LW**. In : De Pedro E.J. (ed.), Cabezas A.B. (ed.). *7th International Symposium on the Mediterranean Pig*. Zaragoza : CIHEAM, 2012. p. 475-478. (Options Méditerranéennes : Série A. Séminaires Méditerranéens; n. 101). 7. International Symposium on the Mediterranean Pig, 2010/10/14-16, Córdoba (Spain).



- Elias M., Santos A.C., Fraqueza M.J., Barreto A. **Physico-chemical and sensorial characteristics evolution of vacuum packaged Iberian dry-cured ham stored at refrigerated temperature.** In : De Pedro E.J. (ed.), Cabezas A.B. (ed.). *7th International Symposium on the Mediterranean Pig*. Zaragoza : CIHEAM, 2012. p. 515-519. (Options Méditerranéennes : Série A. Séminaires Méditerranéens; n. 101). 7. International Symposium on the Mediterranean Pig, 2010/10/14-16, Córdoba (Spain).
- Maia J., Boteta L., Fabião M., Santos M., Calera A., Campos I. **Irrigation decision support system assisted by satellite. Alqueva irrigation scheme case study.** In : Erena M. (coord.), López-Francos A. (coord.), Montesinos S. (coord.), Berthoumieu J.-P. (coord.). *The use of remote sensing and geographic information systems for irrigation management in Southwest Europe*. Zaragoza : CIHEAM / IMIDA / SUDOE Interreg IVB (EU-ERDF), 2012. p. 195-201. (Options Méditerranéennes : Série B. Etudes et Recherches; n. 67).
- Ferreira M.I., Conceição N., Silvestre J., Fabião M. **Transpiration and water stress effects on water use, in relation to estimations from NDVI: application in a vineyard in SE Portugal.** In : Erena M. (coord.), López-Francos A. (coord.), Montesinos S. (coord.), Berthoumieu J.-P. (coord.). *The use of remote sensing and geographic information systems for irrigation management in Southwest Europe*. Zaragoza : CIHEAM / IMIDA / SUDOE Interreg IVB (EU-ERDF), 2012. p. 203-208. (Options Méditerranéennes : Série B. Etudes et Recherches; n. 67).
- Azevedo J.M.T., Silva S.R. **Seasonal variation of ewe body condition in extensive production systems of Northeastern Portugal.** In : Pacheco F. (ed.), Morand-Fehr P. (ed.). *Changes in sheep and goat farming systems at the beginning of the 21st century : research, tools, methods and initiatives in favour of a sustainable development*. Zaragoza : CIHEAM / DRAP-Norte / FAO, 2009. p. 79-81. (Options Méditerranéennes : Série A. Séminaires Méditerranéens; n. 91). Proceedings of the Seminar of the Subnetwork on Production Systems of the FAO-CIHEAM Network for Research and Development in Sheep and Goats, 2007/11/15-17, Ponte de Lima (Portugal).

Watch Letter

- Rodriguez A., **La filière laitière au Portugal: La dissipation de l'espoir**, in Watch Letter 35, Milk and Dairy products in the Mediterranean, CIHEAM, Paris, December 2015.
- Bue Alves D., Mira da Silva L., **Sharing Knowledge Agrifood Networks – bridging the gap, a Portuguese project with a global focus**, in Watch Letter 32, Feeding Expo Milano with Mediterranean Perspectives, CIHEAM, Paris, April 2015.
- Seabra Pinto A., Cabral Rolo J., **Sécurité alimentaire: orientation de la politique publique portugaise et défis à l'élaboration d'indicateurs**, in Watch Letter 32, Feeding Expo Milano with Mediterranean Perspectives, CIHEAM, Paris, April 2015.
- Gouveia L., Reis A., Moura P., Oliveira P., Girio F., **Microalgae for biofuels: the Portuguese experience**, in Watch Letter 32, Feeding Expo Milano with Mediterranean Perspectives, CIHEAM, Paris, April 2015.
- **Interview of Mrs. Assunção Cristas**, Portuguese Minister of Agriculture and Sea, in Watch Letter 31, The Mediterranean Sea: Fisheries and Beyond, CIHEAM, Paris, December 2014.
- Menezes de Sequeira E., **Current trends and dynamics of Corporate Social Responsibility in Portugal's agriculture and agri-food sector**, in Watch Letter 29, Corporate Social Responsibility in the Mediterranean Agro-Food Sector, CIHEAM, Paris, June 2014.
- Brito Da Luz P., Brito Ramos T., Rodrigues S., **Portugal: evaluation of factor and parameters for runoff and erosion modelling**, in Watch Letter 28, Land Issues in the Mediterranean, CIHEAM, Paris, April 2014
- Reis P., Bras de Oliveira P., Coelho S., **Research and innovation strategies for rural development in Portugal: the small fruits and the extensive systems cases**, in Watch Letter 24, Innovative rural development in the Mediterranean Countries, CIHEAM, Paris, April 2013.
- Telo Da Gama L., Gabina D., **Animal Genetic Resources: The "Golden Fleece" of the Mediterranean**, in Watch Letter 21, Enhancing Research in the Mediterranean, CIHEAM, Paris, June 2012.



New Medit

- Crisostomo C., Bteich M-R., Heidrun Moschitz H., Pugliese P. **Organic farming policy in Portugal: analysis of the policy network**, New Medit, vol 11, n.4, suppl. (December 2012), Bari, Edizione Dedalo / CIHEAM, pp. 27-30
- Viegas I., Viera A., Stillwell G., Lima Santos J., Aguiar Fontes M., **Is there a link between beef quality and animal welfare in traditional beef systems?**, New Medit, vol 10, n.3, (September 2011), Bari, Edizione Dedalo / CIHEAM, pp. 17-25
- Jorge R., Esperança P., Martins M., Lucas M-R., **Medium-term prospects for Portuguese agriculture under health check proposals: a quantitative analysis with the CAPRI modelling system**, New Medit, vol 9, n.2, (June 2010), Bari, Edizione Dedalo / CIHEAM, pp. 4-10



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