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Second International Conference on Drought Management

Economics of Drought and Drought Preparedness in a Climate Change Context

Istanbul, Turkey, 4 - 6 March 2010



Second Announcement

Background and objectives of the conference

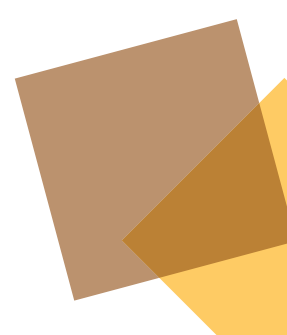
Most of the Mediterranean and West Asia and North African countries are arid or semi-arid with low and erratic rainfall and high temperatures during the summer cropping season. During the last decades, droughts have become more frequent and have had negative socio-economic impacts which are frequently linked to a high exploitation of available water resources.

The Fourth Assessment Report of the International Panel on Climate Change foresees a temperature rise globally in the range of 2 to 6 °C by 2100 and states that extreme weather events such as storms and droughts will most likely amplify. Semi-arid regions in the Mediterranean, the Near East and Sub-Saharan Africa will most likely be negatively affected. Lower and more erratic rainfall will affect not only crops but also river flows and ground water recharge. Water shortages will grow, creating conflicts between different groups of users, such as farmers, urban households, and the industry and creating social stress, economic losses and environmental damage. International disputes over shared rivers may also exacerbate as a result of more severe droughts.

Better representations of the physical, social and economic effects of droughts are needed in order to help prepare government agencies become more conscious of their actual consequences and more efficient in coping with them. With these premises in mind, the objectives of the Conference are:

- To compile, analyse and assess existing methods and approaches enabling to better estimate the impacts and costs of drought and drought mitigation plans, including direct damages, indirect losses and costs for emergency response and preparedness.
- To present case studies of evaluation of drought impacts and costs of drought and drought preparedness.
- To establish best practices and map case studies in the Mediterranean and Near East on drought risk management planning and implementation.
- Offer recommendations for drought preparedness and policies that show better performance, efficacy and social resilience.

This conference is the second in a series whose first conference was organised in Zaragoza, Spain, on 12-14 June 2008 on the topic "Drought management: Scientific and Technological Innovations".



Organisation

The Conference is organised by the General Directorate of Agricultural Research of the Ministry of Agriculture and Rural Affairs of Turkey and the NEMEDCA Network, a Network supported by the International Center for Agricultural Research in the Dry Areas (ICARDA), the Food and Agriculture Organization of the United Nations (FAO) and the International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM), with the collaboration of the Research Centre for the Management of Agricultural and Environmental Risks (CEIGRAM) of the Polytechnical University of Madrid and the Spanish Ministry of the Environment and Rural and Marine Affairs.

The conference will last two days providing a venue for scientific and technical exchanges on drought and drought management programmes and tools and one-day field trip. The scientific and technical exchanges will be structured in three sessions and a round table, with keynote guest speakers and also be open to free contributions.

The conference venue will be Hotel Armada, Sultanahmet, Istanbul.

Scientific Committee

M. Burak, Min. of Agric. and Rural Affairs,
Turkey
A. Cancelliere, Univ. Catania, Italy
A. Dinar, Univ of California, Riverside. USA
R. Doukkali, IAV Hassan II, Morocco
D. Gabiña, IAMZ-CIHEAM, Spain
A. Garrido, CEIGRAM, Univ. Pol. Madrid, Spain
L. Garrote, Univ. Pol. Madrid, Spain
A. Iglesias, CEIGRAM, Univ. Pol. Madrid, Spain
M. Karrou, ICARDA, Syria
P. Koundouri, AUEB, Greece
A. Laajimi, INAT, Tunisia
A. López-Francos, IAMZ-CIHEAM, Spain
T. Oweis, ICARDA, Syria
G. Rossi, Univ. Catania, Italy
L. Santos Pereira, CEER-ISA, Portugal
P. Steduto, FAO, Italy
I. Tekeli, Min. of Agric. and Rural Affairs,
Turkey
A. Thomas, INRA, France
D. Wilhite, NDMC Nebraska, USA

Organisation Committee

M. Burak, Min. of Agric. and Rural Affairs, Turkey
D. Gabiña, IAMZ-CIHEAM, Spain
M. Karrou, ICARDA, Syria
A. López-Francos, IAMZ-CIHEAM, Spain
T. Oweis, ICARDA, Syria
P. Steduto, FAO, Italy
G. Muñoz, FAO, Turkey
I. Tekeli, Min. of Agric. and Rural Affairs, Turkey

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PROVISIONAL PROGRAMME

March Wednesday

18.00 - 20.00	Registration
20.00 -	Welcome buffet

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March Thursday

08.30 - 09.00	Registration
09.00 - 09.30	Opening ceremony
09.30 - 09.45	Presentation of the agenda and objectives of the Conference
09.45 - 13.00	Session 1. Drought trends and impacts on agricultural production and natural resources in the context of climate change Chair: G. Rossi (Univ. Catania, Italy)
09.45 - 10.15	Introductory conference (30') B. Seguin (INRA, France) - Climate change and its impact on agricultural production at a global level, with a focus on the Mediterranean area and drought consequences
10.15 - 10.30	Oral communications (15' each) N. Eriyagama (IWMI, Sri Lanka) - A global picture of drought occurrence, magnitude and preparedness
10.30 - 10.45	O. Penalba (University of Buenos Aires, Argentina) - Trends and periodicities in the annual amount of dry days over Argentina, looking towards the climatic change
10.45 - 11.00	S. Rossi (ECJRC Ispra, Italy) - Monitoring droughts and impacts on the agricultural production: examples from Spain
11.00 - 11.30.	Coffee break and posters viewing

11.30 - 11.45	K. Gargouri and A. Laajimi (Institut de l'Olivier and INAT, Tunisia) - Drought occurrence and its impact on olive production and cereals in Tunisia
11.45 - 12.00	B. Divrak (CEO, WWF-Turkey) - Assessment of the impacts of climate change in Konya Closed Basin within the agricultural and nature conservation context
12.00 - 12.15	A. Chafai Elalaoui (ENA Meknès, Morocco) - Impact of climate change on water resources in Morocco. The case of Sebou
12.15 - 12.30	M. Khakzaban (AAFC, Canada) - Economic effects and yield response of six major crops to precipitation, temperature, nitrogen and phosphorus
12.30 - 13.00	General discussion
13.00 - 14.00	Lunch
14.00 - 18.30	Session 2. Methodologies and case studies for the evaluation of the economic impacts of drought and of drought preparedness plans Chair: A. Thomas (INRA, Toulouse, France)
	Introductory conferences (30' each)
14.00 - 14.30	A. Markandya (Basque Centre for Climate Change, Spain) - The economics of adaptation to drought in the face of climate change
14.30 - 15.00	J. Morris (Cranfield University, UK) - Towards a framework for the economic appraisal of drought risk management
	Invited case studies (20' each)
15.00 - 15.20	A. Garrido (UPM, Spain) - Disentangling the social, macro and micro-economic effects of agricultural droughts: An application to Spanish irrigated agriculture
15.20 - 15.40	R. Doukkali (IAV Hassan II, Morocco) - Crop insurance in Morocco
15.40 - 16.00	A. Reynaud (INRA, France) - Regulating intra-annual agricultural water use under climate and price uncertainty
16.00 - 16.20	I. Dellal (Ankara University, Turkey) - The Economic Impact of Drought on Agriculture: The Case of Turkey
16.20 - 16.50	Coffee break and posters viewing

	Oral communications (15' each)
16.50 - 17.05	L. Meza (FAO, Chile) - Drought risk management in Chile: pilot study on impact evaluation and coping strategies
17.05 - 17.20	K. Erdlenbruch (Cemagref, France) - Methodologies and approaches for the estimation of the economic impacts of drought and drought mitigation plans
17.20 - 17.35	J.D. Rinaudo (French Geological Survey, France) - Cost-effectiveness analysis of drought management plans considering long term socio-economic and climatic changes
17.35 - 17.50	D. Tigkas (NTUA, Greece) - Drought impacts on rainfed agriculture under climatic instability
17.50 - 18.05	M. Shatanawi (University of Jordan). Optimization of the cropping pattern in Northern and Southern part of the Jordan Valley under drought conditions and limited availability
18.05 - 18.45	General discussion
20.00	Social dinner

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March Friday

09.00 - 13.30	Session 3. Best practices and case studies in the Mediterranean and Near East on drought mitigation and risk management planning and implementation Chair: M. Burak (Min. Agric. And Rural Affairs, Ankara, Turkey)
	Introductory conferences (30' each)
09.00 - 09.30	T. Oweis (ICARDA, Syria) - Agricultural water management for the mitigation of drought and adaptation to climate change
09.30 - 10.00	L.C. Botterill (National Institute for Rural and Regional Australia) - Risk management as policy: The experience of Australia's national drought policy
10.00 - 10.30	G. Tsakiris (NTUA, Greece) - Towards an adaptive preparedness framework for facing drought and water shortage
10.30 - 11.00	Coffee break and posters viewing

11.00 - 11.15	Oral communications (15' each) M. Todorovic (IAMB, Italy) - Water allocation strategies under drought and specific socio-economic and environmental conditions in the Central Jordan Valley
11.15 - 11.30	A. Do Ó (e-GEO, FCSH-UNL, Portugal) - Transboundary drought risk management in Mediterranean Europe
11.30 - 11.45	A. Ghaffari (Dryland Agricultural Research Institute, Iran) - The role of the Dryland Agricultural Research Institute in drought mitigation in Iran
11.45 - 12.00	L. Froukh (House of Water and Environment, Palestine) - The impact and management of recent drought on the West Bank groundwater aquifer system
12.00 - 12.15	L. Santos Pereira (Technical University of Lisbon, Portugal) - Assessing the feasibility of deficit irrigation under drought conditions
12.15 - 12.30	J. Warner (Wageningen & Twente University, The Netherlands) - Deliberation and insurance as drought disaster risk reduction strategies
12.30 - 13.00	General discussion
13.15 - 14.30	Lunch
14.30 - 16.30	Round table. Policies for drought preparedness and mitigation based on an economic approach Chair: T. Oweis (ICARDA, Aleppo, Syria) J.M. Faurés (FAO Rome, Italy) M. Karrou (ICARDA, Syria) F. Burgaz (ENESA, Spain)
	Conclusions and close of the Conference
Farewell dinner	

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March Saturday

All day

Field trip to the Yalova region, including a visit to the Central Horticultural Research Institute of Yalova

Language

The working language of the conference will be English.

Conference Proceedings

The Conference Proceedings, including the text of the keynote lectures, theatre presentations and posters accepted by the scientific committee will be published in the CIHEAM journal Options Méditerranéennes. Texts are to be written in English.

Registration. Deadline: 25 January 2010

By 25 January 2010 registration fees for the two days of conferences and the field trip will be 250 euro, after which fees will be 300 euro. Fees include attendance to the Conference, refreshments, lunches and social events and a copy of the Proceedings.

For registration, fill out the Registration Form, available as MS Word file at

<http://www.iamz.ciheam.org/nemedca/istanbul2010>

and return it, preferably by e-mail, to:

CIHEAM - Instituto Agronómico Mediterráneo de Zaragoza
Apartado 202, 50080 Zaragoza, Spain
Tel: +34 976 716000 - Fax: +34 976 716001
E-mail: iamz@iamz.ciheam.org

Payment should be made by Bank Transfer to the following account:

Account holder: CIHEAM-IAMZ
IBAN ES60 2085 1425 5603 0018 8187
Bank Name: IBERCAJA
Swift Code: CAZRES 2Z
To be indicated on the Bank Transfer: Drought 2010
Postal Address: Av. Montañana 290, 50059 Montañana (Zaragoza), Spain.

(Note: All transfer expenses must be assumed by the sender)

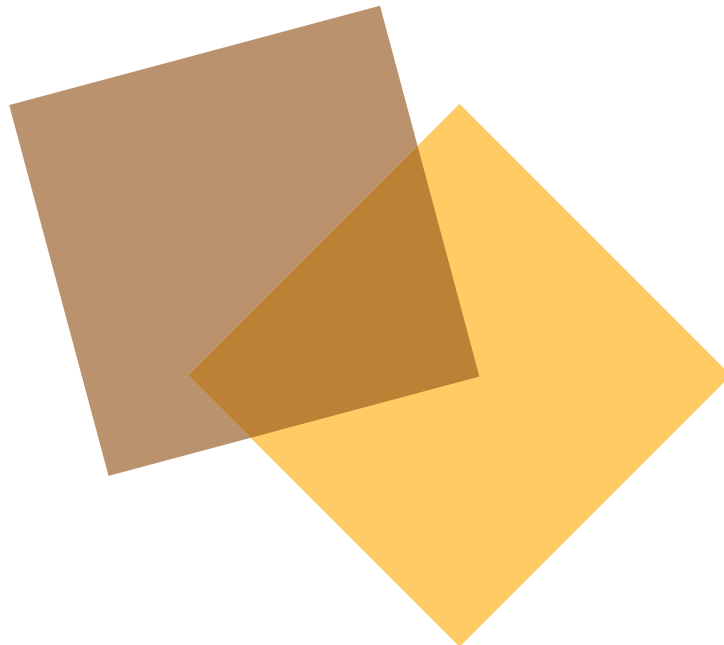
Accommodation

Pre-booking at special rates has been arranged with the four star hotel Armada in Istanbul, the venue of the Conference. Prices per room, breakfast and taxes included, are 76 euro in Single room and 81 euro in Double room. For hotel reservation see Registration form (available as MS Word file at <http://www.iamz.ciheam.org/nemedca/istanbul2010>).

Deadline for sending the Hotel Reservation form is 25 January 2010. Hotel reservations received after the deadline are not guaranteed.

Conference venue

The conference will be held at the Armada Hotel, Ahirkapi Str. No 24, 34122 Sultanahmet, Istanbul. The Armada Hotel is located in the centre of the historic Peninsula of Istanbul, near the Blue Mosque of Sultan Ahmet, right at the shore of the Sea of Marmara.



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Registration and hotel reservation form
Deadline: 25 January 2010

Name and family name	
Institution	
Postal address	
Telephone	
Fax	
E-mail	

Please complete this form and return it, preferably by e-mail, attaching proof of payment by 25 January 2009, to:

Mediterranean Agronomic Institute of Zaragoza
Avda. de Montañana 1005, 50059 Zaragoza, Spain
Tel: +34 976 716000 - Fax: +34 976 716001
E-mail: iamz@iamz.ciheam.org

This form may be obtained in MS Word format at www.iamz.ciheam.org/nemedca/istanbul2010

Registration fees

By 25 January 2010 the registration fees for the two days of conferences and the field trip will be 250 euro, after which fees will be 300 euro. Fees include attendance to the Conference, refreshments, lunches and social events and a copy of the Proceedings.

Hotel reservation. Deadline: 25 January 2010

Hotel reservations received later than the deadline are not guaranteed

The hotel that has been pre-booked at a group discounted rate is the ARMADA****, Ahirkapı Str. No. 24, 34122 Sultanahmet, Istanbul, Phone: + 90 212 455 44 55, Fax: + 90 212 455 44 99

Prices per room, breakfast and taxes included, are 76 euro in Single room and 81 euro in Double room.

Please indicate your accommodation requirements:

Date of arrival Date of departure Number of nights:

Single room [] Doble room []

A minimum one night's deposit must be paid at the time of booking to guarantee reservation.

Payment

Payment should be made by Bank Transfer to the following account:

Account holder: CIHEAM-IAMZ

IBAN ES60 2085 1425 5603 0018 8187

Bank Name: IBERCAJA

Swift Code: CAZRES 2Z

To be indicated on the Bank Transfer: Drought 2010

Postal Address: Av. Montañana 290, 50059 Montañana (Zaragoza), Spain

(Note: All transfer expenses must be assumed by the sender)

The amounts to be paid are

	By 25 January 2010	After 25 January 2010
Registration only	250 euro	300 euro
Registration and hotel reservation deposit (single room)*	326 euro	376 euro
Registration and hotel reservation deposit (double room)*	331 euro	381 euro

*Full payment for the accommodation is to be made in Istanbul upon registration to the Conference



Convener

Mediterranean Agronomic Institute of Zaragoza - CIHEAM

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