



First International Conference
Primera Conferencia Internacional
Première Conférence Internationale

Drought management: scientific and technological innovations

Gestión de la sequía: innovaciones científicas y tecnológicas

Gestion de la sécheresse : innovations scientifiques et technologiques

Zaragoza, Spain, 12-14 June 2008



Second Announcement

Segundo Anuncio

Deuxième Annonce

Background and objectives

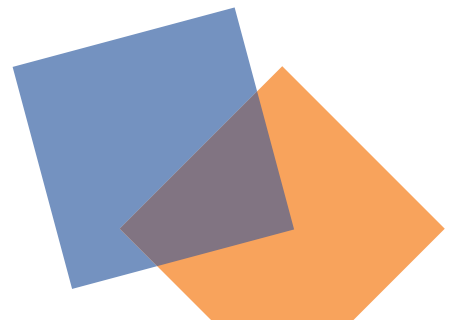
Droughts occur very frequently in many regions of the world with severe economic and social consequences also connected to the vulnerability of the water supply systems and of society in general. Such vulnerability is due to situations of permanent water scarcity, quality deterioration and increasing water demands deriving from population growth, tourist development and irrigation needs. Climate change is introducing a new dimension in drought management in many regions, as for example, the Mediterranean, since the projections of the recent relevant reports for this area predict climatic conditions with higher temperatures and more frequent droughts. Thus, a policy for drought management requires actions aimed to improve drought preparedness and to mitigate impacts.

The objective of this Conference is to introduce the new scientific and technological concepts and tools to be used in drought management plans in the context of agriculture, urban supply, and water management, highlighting the successful experiences based on preparedness and risk-based management as a critical approach to mitigate the impacts associated with drought in societies with different vulnerabilities. Scientific and technological innovations in the fields of climatology, hydrology, drought and drought impact assessment, drought risk and vulnerability analysis and decision support tools for drought management will be presented.

Expo Zaragoza 2008 is an International Exposition regulated by the B.I.E. (Bureau of International Exhibitions). The central topic of Expo Zaragoza 2008 is **Water and Sustainable Development**. Expo Zaragoza 2008 will convey the value of scientific and technical innovation, new uses and renewed formulas of management and social concertation leading to the sustainability of water resources. This Conference on Drought Management is organised within the framework of one of the four main thematic objectives of Expo Zaragoza 2008 **“Water, a unique resource”**.

MEDROPLAN is a project funded by the Euro-Mediterranean Regional Programme for Local Water Management (MEDA Water), coordinated by the Mediterranean Agronomic Institute of Zaragoza - CIHEAM and with the participation of scientists and stakeholders from Cyprus, Greece, Italy, Morocco, Spain and Tunisia that have developed Drought Management Guidelines for Mediterranean countries. These guidelines provide an effective and systematic approach to develop drought management plans linking science and policy and that can be applied to other regions.

NEMEDCA is a Network on drought management whose main objective is the international cooperation on drought management plans in the Near East, Mediterranean and Central Asia. NEMEDCA is 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).



Organisation

The Conference is organised by the Mediterranean Agronomic Institute of Zaragoza - CIHEAM, through the MEDROPLAN - MEDA Water project, and by the Expo Zaragoza 2008, with the collaboration of the Spanish Ministry of the Environment through its A.G.U.A. (Actions for the Management and Use of Water) Programme, and the Department of the Environment of the Regional Government of Aragón. The NEMEDCA Network also collaborates in the organisation. The Conference basically will combine two days for scientific and technical exchanges on drought and drought management programmes and tools and one day will be devoted to a visit to Expo Zaragoza 2008 including an open organised discussion with visitors to the Expo. The scientific and technical exchanges will be structured in three sessions, with keynote guest speakers and also be open to free contributions.

The conference will be held at the Mediterranean Agronomic Institute of Zaragoza on 12 and 13 June 2008 and on the Expo Zaragoza 2008 site on 14 June.

Scientific Committee

A. Iglesias (Chair), Univ. Pol. Madrid, Spain
 S.B. Alaoui, IAV Hassan II, Morocco
 M.H. Louati, Min. Agric. et Res. Hyd., Tunisia
 N. Tsiourtis, Univ. Cyprus, Cyprus
 G. Tsakiris, Nat. Tech. Univ. of Athens, Greece
 G. Rossi, Univ. Catania, Italy
 L. Garrote, Univ. Pol. Madrid, Spain
 F. Cubillo, Canal Isabel II, Spain
 M. Casado, CHT, Spain
 A. Lapeña, ECODES, Spain
 D. Gabiña, IAMZ-CIHEAM, Spain
 A. López-Francos, IAMZ-CIHEAM, Spain
 E. Mestre, Expo Zaragoza, Spain
 T. Estrela, Spanish Ministry of the Environment, Spain
 L. Babiano, CENTA, Spain
 R. Izquierdo, Department of the Environment, Regional Government of Aragón, Spain
 A. Warsap, EC, Jordan
 G. Soer, RMSU-MEDA Water, Jordan
 R. Kersauze, RMSU-MEDA Water, France
 T. Oweis, ICARDA, Syria
 P. Steduto, FAO, Italy
 F. Burgaz, ENESA, Spain
 D. Wilhite, NDMC Nebraska, USA
 V. Smakhtin, IWMI, Sri Lanka
 J.M. Cuadrat, Univ. Zaragoza, Spain

Mediterranean Agronomic Institute of Zaragoza
 Av. Montañana 1009, 50059 Zaragoza, Spain
 Postal address: Apartado 202,
 50080 Zaragoza, Spain
 Tel: 34 976 716000 - Fax 34 976 716001
 E-mail: iamz@iamz.ciheam.org

The Expo Zaragoza 2008 site
 is situated in the "Meandro de Ranillas"
 at the NW of the city of Zaragoza

See access map on back cover.

Organisation Committee

D. Gabiña (Chair), IAMZ-CIHEAM, Spain
 L. Soriano, Expo Zaragoza, Spain
 A. López-Francos, IAMZ-CIHEAM, Spain
 E. Zuazúa, Expo Zaragoza, Spain
 T. Estrela, Spanish Ministry of the Environment, Spain
 R. Izquierdo, Department of the Environment, Regional Government of Aragón, Spain
 A. Iglesias, Univ. Pol. Madrid, Spain
 G. Soer, RMSU-MEDA Water, Jordan
 T. Oweis, ICARDA, Syria
 P. Steduto, FAO, Italy

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June Thursday

PROVISIONAL PROGRAMME

| | |
|---------------|--|
| 08:30 - 09:30 | Registration |
| 09:30 - 10:00 | Opening ceremony |
| 10:00 - 10:15 | Introduction to the Agenda and the objectives of the Conference |
| 10:15 - 12:45 | Session 1. Drought and its effects in a climate change situation. Methodologies for the assessment of drought and climate change effects Chair: G. Tsakiris (Nat. Tech. Univ. of Athens, Greece) |
| 10:15 - 10:40 | Climate change and drought. Nigel Arnell (Univ. Reading, UK) |
| 10:40 - 11:10 | Coffee break and poster viewing |
| 11:10 - 11:35 | Drought risk and vulnerability in water supply systems. F. Cubillo (Canal Isabel II, Spain), L. Garrote (Polyt. Univ. Madrid, Spain) |
| 11:35 - 12:00 | Drought risk and vulnerability in rainfed agriculture. R. Stone (Univ. de Southern Queensland, Australia) |
| 12:00 - 12:45 | Oral presentations |
| 13:00 - 14:30 | Lunch |
| 14:30 - 15:15 | Poster synthesis and discussion |
| 15:15 - 18:30 | Session 2. Successful experiences of drought management plans Chair: R. Romeo (Ebro River Basin Auth., Zaragoza, Spain) |
| 15:15 - 15:40 | Drought managements plans in the world. Conditions for success. D. Wilhite (School of Nat. Res., Nebraska, USA) |
| 15:40 - 16:05 | Stakeholder involvement and public awareness in drought plans. A. Rodríguez Perea (Univ. Illes Balears, Spain) |
| 16:05 - 16:30 | Special Drought Plans in the Spanish hydrographic districts. T. Estrela (Min. Environment, Spain) |
| 16:30 - 17:00 | Coffee break and poster viewing |
| 17:00 - 17:45 | Oral presentations |
| 17:45 - 18:30 | Poster synthesis and discussion |
| 21:00 | Social dinner |

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June Friday

| | |
|---------------|---|
| 09:00 - 12:45 | Session 3. Scientific and technological tools to improve drought management plans Chair: T. Oweis (ICARDA, Syria) |
| 09:00 - 09:25 | Recent methods and techniques for the management of hydrological droughts. G. Rossi (Univ. Catania, Italy) |
| 09:25 - 09:50 | New drought indexes. S. Niemeyer (JRC European Commission, Ispra, Italy) |
| 09:50 - 10:15 | Technological tools applied in drought preparedness and mitigation plans in agriculture. F. Burgaz (National Entity of Agrarian Insurances, Spain) |
| 10:15 - 10:45 | Coffee break and poster viewing |
| 10:45 - 11:10 | AquaCrop: a new model for crop prediction under water deficit conditions. P. Steduto (FAO, Rome, Italy) |
| 11:10 - 12:10 | Oral presentations |
| 12:10 - 12:45 | Poster synthesis and discussion |
| 13:00 - 14:30 | Lunch |
| 14:30 - 16:30 | Round table: Cooperation on drought management plans in the Mediterranean and other regions, taking into account the climate change scenario Chair: P. Steduto (FAO, Rome, Italy) Speakers: The MEDROPLAN Guidelines on drought management. A. Iglesias (Polyt. Univ. Madrid, Spain) The NEMEDCA Network, a structure for cooperation on drought management. T. Oweis (ICARDA, Syria) The MEDA Water cooperation programme on local water management in the Mediterranean. G. Soer (RMSU EU MEDA Water programme, Amman, Jordan) The post-Expo Zaragoza 2008 cooperation programme on water and sustainable development. E. Mestre (Expo Zaragoza 2008, Spain) |
| 16:30 | Close of the Conference B. Hervieu (Secretary General of the CIHEAM, Paris, France) |

14 June Saturday

All day

Guided visit to the Expo Zaragoza 2008, including an open organised discussion on drought, its effects, preparedness and mitigation with visitors to the Expo

Languages

The working languages of the Conference will be English, French and Spanish. Simultaneous interpretation of the theatre presentations and conferences will be provided.

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. Proceedings will be in English.

Registration. Deadline: 23 May 2008

Registrations received after the deadline may not be accepted. Before 15 April 2008 registration fees for the two days of conferences and the guided visit to Expo Zaragoza 2008 will be 250 euro, after which fees will be 300 euro. Fees include attendance to the Conference, entry to the Expo, refreshments and lunches, shuttle service from Zaragoza to the conference venue, the social dinner and a copy of the Proceedings.

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

IBAN ES60 2085 1425 5603 0018 8187

Bank Name: IBERCAJA

Swift Code: CAZRES 2Z

To be indicated on the Bank Transfer: "Drought 2008"

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

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

For registration, fill out the Registration Form (available as MS Word file at <http://www.iamz.ciheam.org/medroplan/zaragoza2008> and return it, preferably by e-mail, before 23 May 2008, 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

Accommodation

Pre-booking at special low rates has been arranged with some hotels in the centre of Zaragoza with a shuttle service to the Conference venue by Symposium buses. For hotel reservation see Hotel Reservation form (available as MS Word file at:

<http://www.iamz.ciheam.org/medroplan/zaragoza2008>

Deadline for sending the Hotel Reservation form is 23 May 2008.

Hotel reservations received after the deadline are not guaranteed.

N.B.: The number of hotel places available at a special Conference rate is limited and will be allocated by strict order of registration. Once these places have been filled, the Conference Organisation will arrange hotel bookings at the standard rate.

Conference Venue

Zaragoza is a city of 600,000 inhabitants situated in northeast Spain, 325 km from Madrid and 296 km from Barcelona.

Zaragoza airport receives national and international (Air Europa, Iberia, Ryan Air) flights. Zaragoza is well communicated by road and rail with Madrid and Barcelona. The following web sites contain information on train, bus and air travel between Zaragoza and Madrid or Barcelona:

Rail: <http://www.renfe.es/>

Air (Zaragoza airport): <http://www.zaragoza-ciudad.com/aeropuerto/index.htm>

Bus: <http://www.alsa.es/>

Please complete this form and return it, preferably by e-mail, attaching proof of payment, before 23 May 2008, to:

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Apartado 202, 50080 Zaragoza, Spain
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E-mail: iamz@iamz.ciheam.org

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First International Conference
Drought management: Scientific and technological innovations
Zaragoza, Spain, 12 - 14 June 2008

Registration form
Deadline: 23 May 2008

Registrations received later than the deadline may not be accepted

| | |
|----------------|--|
| Name | |
| Family Name | |
| Institution | |
| Postal address | |
| Telephone | |
| Fax | |
| E-mail | |

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|----------------|--|
| Name | |
| Family Name | |
| Institution | |
| Postal address | |
| Telephone | |
| Fax | |
| E-mail | |

Prices are per room, breakfast and taxes included, in euros. Please tick box(es) as appropriate:

| | | | |
|----------------------------------|--------|--------|-----|
| GOYA**** | Single | 117.70 | [] |
| Cinco de Marzo, 5. | Double | 150.87 | [] |
| Tel.: 976 229331 Fax: 976 232154 | | | |
| CATALUÑA*** | Single | 76.50 | [] |
| Coso, 94-96. | Double | 113.00 | [] |
| Tel.: 976 216938 Fax: 976 210803 | | | |

Date of arrival Date of departure Number of nights

No deposit for booking is required. Full payment is to be made directly to the hotel upon checking out

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Convener Organiza Organise

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**Mediterranean
Drought
Preparedness and
Mitigation Planning**



**Euro-Mediterranean
Regional Programme
for Local Water
Management**

