

# WMO/UNISDR Expert Group Meeting on Agricultural Drought Indices

Murcia, Spain, 2-4 June 2010

Venue: HISPANO HOTEL

C/ Radio Murcia, 3. 30001-MURCIA (SPAIN)

## PROGRAMME

### TUESDAY, 1 JUNE 2010

Participants arrive in Murcia

- 18:00-18:30 hrs**    **United Nations Global Assessment Report on Disaster Risk Reduction (GAR-11)**  
*Andrew Maskrey*  
UN International Strategy for Disaster Reduction, Geneva, Switzerland
- 18:30 hrs            Discussion
- 19:00 hrs            Dinner

### WEDNESDAY, 2 JUNE 2010

#### SESSION 1: OPENING OF THE MEETING

- 09:00 hrs**            **Welcome**  
*Mario Urrea Mallebrera*  
Chief of the Hydrological Planning Office, Hydrographic Confederation of Segura
- 09:10 hrs**            **Address**  
*M.V.K. Sivakumar*  
World Meteorological Organization (WMO), Switzerland
- 09:20 hrs**            **Opening of the Meeting**  
*M. Rosario Quesada Gil*  
President of the Hydrographic Confederation of Segura
- 09:35 hrs**            Group Photo and Tea/Coffee Break



**SESSION 2: Agricultural Drought Indices: An Overview**

(Chairman: Roger Stone Rapporteur: Philip Omondi)

- 10:00 hrs**      **Segura River Basin - Spanish Pilot River Basin regarding Water Scarcity and Droughts**  
*Adolfo Mérida Abril*  
Chief of Service of the Hydrographic Confederation of Segura
- 10:30 hrs**      **Quantification of Agricultural Drought: The Key Issues**  
*Don Wilhite*  
School of Natural Resources, University of Nebraska, USA
- 11:00 hrs**      **Agricultural Drought: WMO Perspectives**  
*M.V.K. Sivakumar*  
World Meteorological Organization (WMO), Switzerland
- 11:30 hrs**      **Agricultural Drought: USDA Perspectives**  
*Ray Motha*  
United States Department of Agriculture (USDA), USA
- 12:00 hrs**      **Discussion**
- 12:30 hrs**      Lunch

**SESSION 3: Agricultural Drought Indices in Current Use in Selected Countries: Strengths, Weaknesses and Limitations**

(Chairman: Don Wilhite Rapporteur: Mark Svoboda)

- 14:00 hrs**      **India**  
*Jayanta Sarkar*  
India Meteorological Department (IMD), India
- 14:30 hrs**      **Brazil**  
*Paulo Sentelhas*  
University of Sao Paulo, Brazil
- 15:00 hrs**      **Australia**  
*Roger Stone*  
University of Southern Queensland, Australia
- 15:30 hrs**      Tea/Coffee Break
- 16:00 hrs**      **France**  
*Emmanuel Cloppet*  
Meteo France, Toulouse, France
- 16:30 hrs**      **Spain**  
*Antonio Mestre and Jose Luis Camacho*  
AEMET, Spain
- 17:00 hrs**      **Kenya**  
*Philip Omondi*  
ICPAC, Nairobi, Kenya
- 17:30 hrs**      Discussion
- 18:00 hrs**      **Adjournment**
- 19:00 hrs**      **Dinner**

## THURSDAY, 3 June 2010

### SESSION 4: Agricultural Drought Indices: Integration of Crop, Climate and Soil Issues Panel Discussion - Ray Motha (Moderator)

- 8:30 hrs**      **Perspectives from National Drought Mitigation Centre**  
*Mark Svoboda*  
National Drought Mitigation Centre, University of Nebraska, USA
- 9:00 hrs**      **Soil Water Balance Models - Tools for Integration**  
*Paulo Sentelhas*  
University of Sao Paulo, Brazil
- 9:30 hrs**      **Use of Crop Models**  
*Ray Motha*  
United States Department of Agriculture (USDA), USA
- 10:00 hrs**      **Panel Discussion**
- 10:30 hrs**      **Tea/Coffe Break**

### SESSION 5: Local Experiences in Managing Droughts (Chairman: Adolfo Mérida Abril    Rapporteur: Sandra García Galiano)

- 11:00 hrs**      **Remote sensing as a tool for integrated water cycle management**  
*Alberto Rodriguez Fontal*  
General Directorate for Water (Ministry of Environment), Spain
- 11:30 hrs**      **Experiences in the Jucar river basin**  
*Javier Ferrer Polo*  
Chief of the Hydrological Planning Office of Júcar River Basin
- 12:00 hrs**      **Discussion**
- 12:30 hrs**      Lunch



### SESSION 6: Field Visit (Organized by Local Hosts)

- 13:30 hrs**      **Leave Hotel**
- 14:00 hrs**      **Visit to IMIDA facilities:**  
Welcome and tour through IMIDA facilities
- 15:00 hrs**      Presentation of IMIDA related projects:  
IMIDA- Natural Resources Unit  
*David Walker*
- Technical University of Cartagena- Titular Professor. Department of Thermal and Fluid Engineering  
*Sandra García Galiano*
- CEBAS- Department of Soil and Water Conservation  
*Gonzalo González Barberá*
- 16:00 hrs**      Discussion (Chairman: Enrique Corral)
- 17:00 hrs**      **Return to Hotel**

FRIDAY, 4 June 2010

**SESSION 7: Discussion on Consensus Agricultural Drought Index**  
(Chairman: Mannava Sivakumar Rapporteur: Jayanta Sarkar)

- 08:30 hrs      **Compilation of Suitable Indices**
- 09:00 hrs      **Discussion on Strengths and Weaknesses**
- 10:00 hrs      Tea/Coffee Break
- 10:30 hrs      **Discussion on Methodologies, Data Needs and Mapping Capabilities**
- 12:00 hrs      **Lunch**

**SESSION 8: Identification of Consensus Agricultural Drought Index**  
(Chair: Don Wilhite Rapporteur: Roger Stone)

- 13:30 hrs      **Consensus Agricultural Drought Index: Future Steps**  
Discussion
- 15:00 hrs      Tea/Coffee Break
- 15:30 hrs      **Preparation of Guidelines for Members for Implementing the Recommended Agricultural Drought Index**  
Discussion

**SESSION 9: CLOSING SESSION**

- 16:30 hrs      **Vote of Thanks**  
*M.V.K. Sivakumar*  
*World Meteorological Organization (WMO), Switzerland*
- 16:40 hrs      **Vote of Thanks**  
*Marta Moren Abat*  
Directora General del Agua  
Secretaría de Estado de Medio Rural y Agua  
Ministerio de Medio Ambiente, y Medio Rural y Marino
- 16:50 hrs      **Workshop closure**

