

**Workshop on the Development of an Experimental Global Drought
Information System (GDIS)**

**11-13 April 2012, Frascati (Rm) – Italy
Workshop Agenda (Draft- 01/16/12)**

Wednesday April 11

9:00am - Welcoming remarks and logistics (ESA)

9:20am – Overview of Workshop Goals (S. Schubert)

9:40am – Overview of GDIS activities and needs (R. Pulwarty)

Causes of Drought by Region (Summaries – time scales, mechanisms, etc)

10:00am – Drought in North and Central America (M. Hoerling)

10:20am – Drought in Europe (S. Seneviratne)

10:40am – Break

11:10am - Drought in Africa (R. Mechoso)

11:30am - Drought in Australasia (W. Cai)

11:50am – Drought in southwest and western Asia (M. Barlow)

12:10am – Drought in monsoonal and eastern Asia (Lixia Zhang)

12:30pm - Drought in South America (H. Berbery)

12:50 pm - short break

Case studies (mechanisms and predictability)

1:05 pm – The Australian “Big Dry” (Albert Van Dijk)

1:25pm – The 1998-2003 western US drought (Christa Peters-Lidard).

1:45 – 2:45pm lunch

2:45pm – Recent droughts in Africa: the Limpopo basin (Willem Landman)

3:05pm – A recent South American drought (Alice Grimm)

3:25pm – The 2010 Russian heat wave (Ricardo Trigo)

3:45pm – The 2003 European heat wave (Martin Beniston).

4:05pm – break and discussion

6:00pm - Posters with refreshments

Thursday April 12

Drought Information Service Providers

9:00am – **Michael Hayes**: *Overview*

9:20am – **Robert Stefanski** (WMO) “Drought Management and Policies: Status of WMO Drought Initiations.”

9:40am - **Douglas Cripe**–GEO: *International Framework for GDIS*

10:00am - **Micha Werner**, *Sophie Vermooten*, *Juergen Vogt*, and *Ad de Roo*: *DEWFORA: Extending EDO Drought Monitoring Approach to pan-Africa*

10:20 – Break

10:50am - Russian drought monitoring and prediction activities (Roshydromet)

11:10am - **Cunjie Zhang** (*Director of Climate Impact Assessment Division*): *Beijing Climate Center's Drought Management Program*

11:30pm - **Dasarath (Jaya) Jayasuriya** – (*BoM Water Program*) *Drought Monitoring and Forecasting in Australia*

11:50pm - **Dennis Lettenmaier** – *Hydrological forecasting*

12:10pm – short break

12:25pm - **Gustavo Goncalves**—*South American drought monitoring and reconstruction of the drought record in South America*

12:45pm – **Abdou Ali**—*Drought Monitoring and Forecasting at AGHYMET, West Africa region*

1:05pm – **Pierre-Philippe Mathieu** – *Space-based Observations: ESA*

1:25pm – **Jared Entin** - *Space-based Observations: NASA*

1:45 – 2:45pm – lunch

2:45pm – **Kingtse Mo** NOAA/NCEP/CPC *Drought outlooks*

3:05pm – **Eric Wood** – *Experimental Hydrological Monitoring and Forecasting*

3:25pm – **Jin Huang** - *Global MME forecasts – US, ECMWF, APCC*

3:45pm – break

User Needs and Capabilities (Regional and larger scales)

4:15pm – **Liliana Nunez**)

4:35pm – **Brad Lyons** – *IRI experience on user needs (examples*

4:55pm **Michel Verstraete** - *desertification*

5:15pm – **Jim Verdin**—*FEWSNET agricultural drought domain and monitoring technology: quantifying lead time requirements*

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5:35pm – posters

7:30pm – Group Dinner with guest speaker

Friday April 13

-continuation of users

9:00am - **Margaret Nicholson**—*assessing drought vulnerability to agricultural and social sectors*

9:20am *Chris Justice (U. Maryland) – GEO Global Agriculture Monitoring (GLAM) and drought indicators for agriculture*

9:40am - **Oscar Rojas** and **Felix Remboud** *FAO/MARS Agricultural Monitoring*

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10:10 - Break

10:40 am – 10:55 am - **Ben Lloyd-Hughes** - *Global Drought impacts upon the business community*

10:55-11:50 pm – discussion

Developing an experimental GDIS

11:50pm - **Will Pozzi**: *Elements of an Experimental Global Drought Information System*

12:25pm **Richard Heim/Mike Brewer** - *Global Drought Monitor web portal*

12:40pm - **Rogier Westerhoff** - *GLOWASIS*

12:55-1:45pm - discussion -

1:50– 2:50pm lunch

2:50pm – **Vikram Mehta**: *A coordinated case study approach – Overview and a prototype system*

3:20pm - **Annarita Mariotti** – *NOAA drought task force: an example of coordinated research on case studies*

3:35pm - **Ron Stewart** – *drought characterization/catalog and links to case studies*

3:50 – 5:00pm discussion -

5:00pm – *Summary of next steps*

5:30pm - adjourn