Breakfast Meeting of the AGU H – Tech Precipitation Executive Committee

Wednesday, 16 December 2009, 6:45 am - 7:45 am

Attendees
Jonathan J. Gourley, Rick Lawford, Shaun Lovejoy, Ana Nunes, Scott Curtis, Paul Kulera, Jennifer Arrigo, Teddy Allen (Student Member), Dennis Lettenmaier, and Yang Hong

AGU Meeting Session Planning
Approved sessions for the 2010 Joint Assembly in Brazil: Meeting of the Americas; 08–13 August 2010, Iguassu Falls, Brazil (http://www.agu.org/meetings/ja10/)

1. Eyal Amitai et al. General Session on Precipitation

2. S. Curtis et al. "Drought in IntraAmericas Sea".

3. Session proposal deadline Dec 31st, 2009 (http://www.agu.org/meetings/ja10/)

Precipitation Committee
1) Welcome our new committee members: Dr. Jennifer Arrigo, Teddy Allen (Student Member)

2) Dennis Lettenmaier requested every Tech. Committee to keep their website current and more dynamical. Our web master Dr. Li-Chuan Chen (Li-Chuan.Chen@noaa.gov) has moved to NOAA/NWS. For convenience, the new Precip website will be hosted at (http://hydro.ou.edu/AGU_home.html) and linked to previous one and also to AGU-Hydrology Section website.

General Discussion Topics
Precipitation-related conferences, programs or field experiments:
1) Several precipitation related sessions proposed for AGU 2010 Western Pacific Geophysics Meeting; 22–25 June 2010, Taipei, Taiwan.

2) International Precipitation Conference: IPC10, Coimbra, Portugal, 23-25 June 2010

3) Others: 02-07 May 2010, EGU Meeting, Vienna, Austria.
   • 10th National Severe Weather Workshop, 4–6 March 2010, Norman, OK (http://www.norman.noaa.gov/nsww/)
   • 25-30 July 2010, IGARSS, Honolulu, USA.
   • 20-24 September 2010, EUMETSAT Satellite Conference, Cordoba, Spain.
   • Sixth European Conference on Radar in Meteorology and Hydrology (ERAD2010), 6–10 September 2010, Sibiu, Romania (www.ERAD2010.org)
   • 27 September-1 October 2010, AMS Satellite Conference, Williamsburg, USA.
   • Hydrology Conference 2010—The Changing Physical and Social Environment: Hydrologic Impacts and Feedbacks, 11–13 October 2010, San Diego, CA
   • 11-15 October 2010, Fifth IPWG Meeting, Hamburg, Germany.
Appendix

Meeting of America 2010: Two session proposals

SESSION TITLE: General Session on Precipitation
SECTION: Hydrology (H)
CO-SPONSORING SECTION(S): Atmospheric Sciences (A)

Description: Precipitation is a very important meteorological parameter that strongly affects and controls many of the human activities. On one hand, numerous hydrologic applications demand accurate precipitation measurements (by in situ instruments) or quantitative estimates (by remote sensors). On the other hand, there is an increasing demand for accurate precipitation forecasts from numerical weather prediction models. This session will host papers on all aspects of precipitation, but more specifically it will put emphasis on the following five research sub-areas: measurements, estimation and validation, statistical analysis, hydrologic applications, and forecasting.


Conveners: Eyal Amitai1,2, Yang Hong3, Emad H Habib4, and Firat Y. Testik5

INSTITUTIONS:
1. NASA GSFC, Greenbelt, MD, United States
2. Chapman University, Orange, CA, United States
3. University of Oklahoma, Norman, OK, United States
4. The University of Louisiana at Lafayette, Lafayette, LA, United States.
5. Clemson University, Clemson, SC, United States
Drought in the Intra-Americas Seas

Sponsor: Hydrology
CoSponsor: Atmospheric Sciences; Global Environmental Change; Natural Hazards

Description: The annual cycle of precipitation in the Intra-Americas Seas (IAS) is characterized by a summer rainy season and dry winter. However, the fact that the IAS is at the nexus between the Atlantic and Pacific leads to extreme rainfall variability. Coping with this variability is a way of life for the heavily populated cities and vulnerable smallholders of the IAS. The summer rains are punctuated by a dry spell known as the Mid-summer drought (MSD). Climate modes from the intraseasonal to interdecadal time scales (e.g. MJO, ENSO, NAO, and Atlantic Multidecadal Oscillation) impact the timing and quantity of precipitation. Further, the IAS is in a hot spot of climate change, where drought is becoming more common. Most global climate models predict substantial summertime drying into the 21st century. This session focuses on the physical mechanisms responsible for meteorological drought in the far eastern Pacific, Gulf of Mexico, and Caribbean Sea and the resulting impact on hydrological and agricultural drought over the island and coastal communities. Observational and modeling studies at all time scales are welcome. Reports on proposed projects and field campaigns, for example the Intra Americas Study of Climate Processes (IASCLIP) are also encouraged.

Convener: Dr. Scott Curtis
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One or more additional partners (Magana, Rauscher, Angeles, or Taylor)