

NASA/USDA Workshop on “Evapotranspiration: An Essential Observation for Climate Understanding and Efficient Water Management”

Workshop Dates: April 5 to 7, 2011*

Workshop Location: Hilton Silver Spring, 8727 Colesville Rd., Silver Spring, Maryland

Workshop Objectives:

- 1) To define the needs and requirements for evapotranspiration data in weather and climate studies, in natural and agro-ecosystem monitoring, and in water resource management
- 2) To review the methods used to measure and model evapotranspiration.
- 3) To assess surface and satellite observation systems required to support ET measurement, modeling and evaluation.
- 4) To assess the feasibility of developing a proposal for a task on evapotranspiration for the 2012-2015 GEO Work Plan.
- 5) To explore the level of support and consensus for developing a strategy for establishing evapotranspiration as an Essential Climate Variable (ECV) within the Global Climate Observing System (GCOS) framework.

Workshop Structure:

The program will consist of invited talks and unsolicited talks and posters and several discussion groups. Participants are requested to submit an abstract by March 1, 2011 if they would like to be considered for an oral presentation or a poster. Abstracts are invited on the topics below:

- User perspectives on the needs and requirements for evapotranspiration data.
- Methods and value of point to regional scale evapotranspiration measurements (e.g., stem flow, lysimeters, flux towers, scintillometers, flux aircraft)
- Satellite-derived evapotranspiration estimates (use of satellite data to derive local, regional and global scale estimates of ET, limitations of techniques, spatial scale, temporal frequency, etc)
- Estimation of evapotranspiration combining models and remote sensing through data assimilation (limitations of models, completeness and reliability of the types of observations needed for these models.)
- Applications of evapotranspiration estimates in weather and climate studies, and in watershed, regional and global water balance research.

- Experience in the use of evapotranspiration estimates in decision-making in agriculture, forestry, water resource management, and ecosystem services (outlining requirements in accuracy, latency, resolution, etc)

To submit an abstract on any of the above topics please click **here** and submit your abstract.

Workshop Registration:

At this time we do not see a requirement for a registration fee. The NASA Applied Sciences Program and USDA Agricultural Research Service are sponsoring this workshop. To register please click **here** and register your basic information.

Logistics:

The Hilton Hotel (www.washingtondesilverspring.hilton.com) is located at 8727 Colesville Road, Silver Spring, Maryland, USA, 20910. Reservations can be made by calling 1-301-589-5200. Some rooms have been blocked at the government rate

(* - there has been some discussion about a conflict of these dates with the EGU meeting but at this time no changes are planned.)