

FIRST CIRCULAR

The 10th JCSDA Workshop on Satellite Data Assimilation October 10-12, 2012

will be held at the main auditorium of the

NOAA Center for Weather and Climate Prediction (NCWCP)

5830 University Research Court
College Park, Maryland 20740

Hotels in College Park: <http://shopcollegepark.org/citymaps/page.php?id=22>

Introduction:

The purpose of the JCSDA Science Workshop is to review the ongoing and planned scientific development sponsored by the NASA-NOAA-DOD Joint Center for Satellite Data Assimilation, and to plan and coordinate future efforts. The JCSDA has the following six scientific priority areas:

- Radiative Transfer Modeling (CRTM)
- Preparation for assimilation of data from new instruments
- Clouds and precipitation
- Assimilation of land surface observations
- Assimilation of ocean surface observations
- Atmospheric composition; chemistry and aerosol

The JCSDA supports scientific development work in these areas via internal, directed and external research projects. External research is funded via grants and contracts awarded through a competitive process open to the broader scientific community. In addition, the JCSDA partners conduct their own internal projects and some of them are directly related to the JCSDA activities. These projects are labeled in-kind contributions to JCSDA. It is essential that all these efforts be complementary and coordinated. The JCSDA workshop aims at facilitating this coordination. At the workshop, JCSDA Principal Investigators of internal, directed and external projects and affiliated scientists are expected to report on progress and participate in discussions about future plans of the Joint Center. Participation in the JCSDA workshop is by invitation only. JCSDA-Affiliated scientists will receive individual invitations to participate. Non-affiliated scientists wishing to participate could request an invitation by sending an email to Sid.boukabara@noaa.gov.

Organization of the Workshop

The JCSDA Workshop on Satellite Data Assimilation will include both oral presentations (in plenary sessions) and posters. In order to allow for open discussion, plenty of time will be made available to presenters to interact with the audience. Adequate visibility will be provided to contributions from all scientific priority areas. Externally funded scientists should give a progress report and indicate what they plan to do over the next year.

Break-out sessions will be reserved for group discussions of the plans and progress for the science priority areas and how ongoing efforts can be better coordinated. The discussions are expected to lead to ideas for improved collaboration and development of multiuse software; these ideas will be presented during the final plenary session.

There will also be a dedicated poster session. Note that posters will be mounted on their panels the first morning of the workshop and will remain on display until the end of the workshop. This arrangement will allow scientists to discuss the content of the posters not only during the poster session but also during coffee breaks and lunch breaks if desired.

A *Software Packages and Science Integration* session is scheduled the second day of the workshop, and is intended to highlight a number of software packages and tools that are available to scientists and to show interested parties how to get access to these JCSDA resources (supercomputer, visualization tools, scientific software packages, formatting tools). This support is expected to provide JCSDA-affiliated scientists the necessary resources to pre-test the impact of their efforts on operational assimilation models, and to help them assess the impact of their data and/or algorithms on forecast skill of various operational systems.

A detailed agenda will be sent out in the second circular, expected after the registration deadline.

Registration:

After receiving an invitation, a registration to the JCSDA workshop is required. There is no registration fee to attend the JCSDA science workshop. Participants are, however, requested to register to confirm their participation. This registration will allow us to put the agenda together and to make sure that the facilities are adequate. To register, participants are asked to send, by email, their name, e-mail address, affiliation, and whether or not they plan to give a presentation. In case a presentation is planned, authors should indicate a title, and specify if an oral presentation is preferred or a poster. All JCSDA-funded PIs should plan to give oral presentations. Registration is requested by September 10th 2012. Emails should be sent to Rene.Brown@noaa.gov with CC: to Sid.Boukabara@noaa.gov and James.G.Yoe@noaa.gov.

Location:

The 10th JCSDA Workshop on Satellite Data Assimilation will be hosted in the new NCWCP building in College Park, Maryland. The main auditorium and the adjacent conference rooms that will be used for the break out session are located on the first floor of the building. This location offers convenient access to the *Metro* public transit system of the Washington, DC area (College Park/Univ. of Md Metro station, and the Metro bus). It is also within walking distance of downtown College Park, MD.