

Report on the US CLIVAR Summit 2008 for the Atlantic Implementation Panel
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The annual US CLIVAR Summit was held in mid-July in Irvine, California. The first day of the meeting was a Symposium on Climate Predictions for 2018. What can we say now and with what fidelity/uncertainty? What is our plan to develop predictions of climate 10 years into the future? This featured several speakers, contributed posters, and an afternoon discussion period.

Days 2-4 featured a day of reporting from each of the US CLIVAR Panels:

- Phenomena, Observations and Synthesis Panel
- Process Studies and Model Improvement Panel
- Predictability, Predictions and Application Interface Panel

As well as its current Working Groups:

Drought, MJO, Western Boundary Currents, and High-Latitude Fluxes

Extensive and exciting progress was noted by all the Working Groups. Next we had presentations on Ocean Data Stewardship as well as International CLIVAR Plans for 2009-2013, before hearing from the agency program managers on their recommendations for US CLIVAR.

US CLIVAR will continue to focus its time and energy in two areas:

Drought and Decadal Variability/Predictability

The three Panels then met independently to address coordination of activities under their respective purviews. The actions most relevant to AIP are summarized here:

- There are new plans for an enhanced monitoring/field experiment/validation experiment for Aquarius Salinity mission. Such an experiment would focus on closing the freshwater/salinity budget in a limited ocean volume. Contact is Ray Schmitt.
- We anticipate beginning to work with NODC to identify orphan data streams to help facilitate the archival of CLIVAR field program data into NODC. Furthermore, US CLIVAR will begin to work more closely with NODC on data access issues.
- There is some interest in incomparing new reanalysis products for a variety of uses, including extreme events.
- Several workshops were recommended: one to focus on identifying the next steps towards developing an Integrated Earth System Analysis (IESA); another

to address the latest on abrupt climate change, especially trying to characterize and understand tipping points in the climate system; and lastly, one on climate and ecosystems (marine and terrestrial)

- Some new ideas for Working Groups were identified and may be submitted for consideration this year: Decadal Prediction (focus on designing and implementing common metrics for assessing decadal variability in existing data sets, with an eye towards doing similar analyses with AR5 simulations), and extreme events/storm tracks.
- Working Groups likely to be considered next year include: a) Boundary-layer cloud processes and b) Surface Water Ocean Topography (SWOT) in support of upcoming mission, Tropical Biases (AR5 models)
- Progress of several process studies (either in place or in planning stages) was reviewed and a protocol document for insuring process study data would be properly and uniformly archived is in the planning stages.
- A review and recommendations whitepaper for CPTs is now under review for consideration by the US agencies. They have expressed interest in supporting some new CPTs if funding can be found.
- We heard a progress report on IASCLIP (Caribbean)