

# Actions and Recommendations

# Action Items with Outcomes:

## General

- Represent GEWEX at an Intergovernmental Panel on Climate Change (IPCC) workshop to be scheduled in 2009 with past lead authors of IPCC. (Action: K. Trenberth)
- **Outcome:**
- (K. Trenberth) There was no opportunity to promote GEWEX as such at the workshop.
- The workshop itself was well attended and a good meeting. The 3-minute poster system is quite an effective format and much was conveyed about what is going on. However, the workshop was not a workshop in any real sense and there was no outcome of any sort. I found the updates on sea level change to be useful, but they highlight a number of outstanding issues, with quite different estimates of how ocean heat content is changing associated with differences in the ways the XBTs have been corrected, and especially on how ARGO is processed and corrected. My sense is that there are still substantial problems in ARGO. The Glacial Isostatic Adjustment for GRACE is also a big issue. The energy budget is getting overdue attention from me and two other papers. One by Dan Murphy and Susan Solomon (NOAA) does the recent energy budget with certain approximations to highlight the effect of changing temperatures, already changing radiation emissions (OLR), and deducing the aerosol effects as a residual. There were a number of papers on multimodel ensembles and on procedures to weight models, with the generally discouraging results that there is no unique way to do this and that the results do not seem to change much anyway. I think this is wrong and that there are ways to discard some models with the effect of reducing the spread (uncertainty). Some quantities (especially mean fields) should not be used for evaluations because they have been tuned to be the way they are, and I did not see evidence that this was adequately appreciated. Quite a lot more scrutiny of carbon cycle feedbacks is underway. While some modelling groups may be ready to run their models for AR5, other groups are far from ready. The task in CMIP5 is huge and potentially overwhelming, both for modelling groups and especially on vetting the results.

- Organize a workshop under the GEWEX/Global Water System Project (GWSP) umbrella to assess existing GEWEX activities and provide suggestions for future regional GEWEX initiatives specifically targeted on water availability problems. (Action: E. Wood, IGPO, )
- **Outcome:**
- (E. Wood) I've had discussions with Charlie Vorosmarty (GWSP Co-Chair) about this but nothing definitive in terms of a workshop has emerged. Funding is an issue and GWSP is undergoing re-organization with its new director. I plan on seeing Dr. Vorosmarty on January 15 and will bring up the workshop suggestion again.

- GRP and CEOP will participate in the World Climate Research Programme (WCRP) and World Weather Research Program (WWRP) 2009 workshop on the first Year of Tropical Convection (YOTC). (Action: C. Kummerow, T. Koike)
- **Outcome:**
- GRP was unable to send a representative to the meeting.

- GEWEX and the Climate and Cryosphere (CLIC) Project will co-sponsor two workshops, the first on solid and high latitude precipitation and the second on high latitude and cold region hydrology and land surface models. (Action: C. Steffen, E. Wood, IGPO, M. Best and T. Prowse)
- **Outcome:**
- (E. Wood) A precipitation workshop seems to fall under the GRP domain, especially now that Chris Kummerow is chair. Regarding a cold season hydrology/LSM workshop, I reported in the HAP Report that a NEESPI-Lead (Andrey Shmakin of Russia, Lead) is organizing a NEESPI-PILPS LSM Intercomparison Study (with support from the NEESPI RHP and HAP) that addresses this. A workshop would follow the modelling phase