

minutes, Sept. 6, 2012 ETOS WG telecon.

present: R. Wood, S. de Szoeker, B. Kirtman, P. Brandt, A. Lazar, I. Sandu, P. Zuidema, M. Patterson, J. Mays

1. AGU fall 2012 meeting: We will have a 2-hour oral session and a poster session. ~ 25 abstracts were submitted, containing a good balance between modeling, observations, atmosphere and ocean => this promises to be a good session. The final program will be announced late September (when we can post the session structure on the ETOS websites).

The ETOS WG will meet during AGU, and US CLIVAR will reserve a room for the WG. We are thinking to meet 6-8 pm, with the first hour set aside for a panel discussion following up on science issues raised during the AGU day session. This means a room reservation will ideally not be finalized until the AGU program has been announced and we know which day our session is scheduled for.

2. Some discussion on the google site and how to make it more useful. The site has seen some activity and new postings but would benefit from more explanation on why particular plots are posted and what we should take away from them. In addition it would be useful to organize the plots along the lines of the hypotheses addressed. P. Zuidema volunteered to take a stab at this.
3. Simon de Szoeker presented on ETOS WG at the US CLIVAR Summit in July. One piece of feedback was a suggestion to increase awareness of a new NCEP high-resolution (0.25 at equator extending to 0.5 outside the tropics) Reanalysis, spanning 1979-2009, extended as a real time operational product henceforth. The dataset can be accessed through <http://rda.ucar.edu/pub/cfsr.html>.
4. Peter Brandt provided an update on two proposals for ocean observations in the southeast Atlantic and modeling activities. One, to the German research ministry, includes a moored observations along 11S and further to the south, to measure the southward flow from the equator to the Benguela upwelling region as well as regional and coupled model studies. Another is a larger proposal whose first stage proposal will be submitted mid-October to the European Union call (ENV.2013.6.1-1 Climate-related ocean processes and combined impacts of multiple stressors on the marine environment – FP7-ENV-2013-twostage). This proposal (lead by Noel Keenlyside from the University of Bergen) is to enhance prediction of tropical Atlantic climate and its impacts by improving the observing system in the eastern tropical Atlantic as well as by regional, basin-wide and global ocean and coupled modeling. This is a 2-stage proposal.

Peter also mentioned that abstracts and most talks and posters of the recent Tropical Atlantic Variability Meeting / PIRATA-17 Meeting held from 10th-12th September 2012 in Kiel, Germany can be found at <https://conferences.geomar.de/conferenceDisplay.py?ovw=True&confId=0> (pdf files are linked directly to the time table).

A research article regarding diapycnal mixing observations and the heat budget in the equatorial cold tongue region during the TACE period is in press with Progress in Oceanography (authors Rebecca Hummels, Markus Dengler, Bernard Bourles).

5. This generated a discussion on what measurements could be made from the buoys that would be additionally useful to the atmospheric community. Some measurement of the aerosol optical depth would be great. Spectrally-resolved flux radiometers could conceivably avoid too much trouble from ship motion, and could perhaps be robust (similar to broadband radiometers). Bob Weller's new high-performance buoys were mentioned. A recent presentation of his (WellerCGSN_global_science.pdf) is posted on the google, see e.g. slide #44. We agreed it would be interesting to ask him to discuss his new buoys at the next ETOS WG telecon.
6. Ping Chang will be at the Atlantic clivar panel meeting in Kiel, in conjunction with the PIRATA meeting. He will basically re-present Simon's ppt from US CLIVAR Summit, with an additional slide mentioning that the atmospheric science community is gearing up for a potential field deployment in 2016 and an oceanographic component should be beneficial to both. In addition, since one leading hypothesis for the equatorial SST biases is a misrepresentation of Amazonian convection, a request be made to endorse a GOAmazon field project to deploy precipitation radars in the Amazon during 2015. Such a field project proposal was rejected for 2014 but may be resubmitted by Courtney Schumacher and Sue v.d. Heever for 2015 depending on a DOE decision to extend into 2015.
7. Alban Lazar mentioned setting aside time at EGU for an ETOS WG meeting.
8. Next ETOS WG telecon sometime during the week of Nov. 5-9. P. Zuidema will ask Bob Weller if he can make a short presentation on the new high-performance buoys. Jennifer Mays will send out a doodle poll.

followup activities:

Weller presentation on super buoys, de Szoeko/Chang presentation about ETOS, Brandt German proposal, have been placed on google site.
Weller emailed (see #5) sept. 18, too early for a response.