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Rapporteur's report on CEOP

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As new co-chair has properly pointed out in his task, CEOP (Coordinated Energy and Water Cycle Observations Projects) has the rather complicated role in the GEWEX/WCRP, since it was born in 2007 by merging the former GHP and CEOP (Coordinated Enhanced Observing Period). In the last SSG, when they first reported their achievements in the former year, their complicated role or structure was directly emerged by less organized presentations, and a number of comments were added by SSG. This year, generally speaking, the situations have been greatly improved. We really appreciate their great efforts and in particular the chairman's strong leadership for them, although co-chair has been changed.

They particularly took care of recommendation from SSG21.

Their magic word for 2010 "synthesis" is really important to fulfill their complicated role in GEWEX. The processes to write several papers in BAMS and/or EOS will be a good way to accomplish it.

The improvement of the relationship with RHPs, particularly AMMA is good news, since RHP activities should be one of the important pieces of CEOP, although their central role may have been diminished. But relationship within CEOP monsoon crosscuts has still weak; AMMA one of the important monsoon related projects has contributed to WAMME, but there is a need to improve in several cross monsoon activities. The rapporteurs could help to facilitate, but it is responsibility of the RHP representatives. It will be better to identify new people to help on this. Also need to clarify the role and/or relationship of CEOP monsoon crosscut in the Pan WCRP monsoon activities.

In 2012, a functioning CEOP data center will be in use by all of the CEOP science groups: 10-year completion of the CEOP dataset will be an excellent accomplishment; but still it is needed to improve the availability of the already existing datasets both within the CEOP and outer research communities.

Relationship with CliC may be expanded beyond the collaboration between the two chairmen. [Enough credit should be accurately given to GEWEX.](#)

CEOP tried to put communities together by matching weaknesses and strengths of each of them;

- The relationship with GWSP remains in the action items but they hope to have clear image after their coming meeting.
- Through RHPs activities, CEOP has added explicit global, regional, land surface and hydrologic applications as part of its group activities involving, climate prediction, biological/environmental and anthropogenic climate foci. CEOP is investigating how to best enhance integration of data from in situ, satellite and model sources.

Bridging the gap between the global and regional aspects of CEOP research using CEOP datasets

- [Need to develop collaborative work between CEOP components, GEWEX Panels on CEOP data and reference sites](#)

In instance the integration of HAP activities in the CEOP science community is high priority; That will help on CEOP formulation of “adaptation”.

But it should not be the role of HAP alone. RHPs should contribute on to that.

Some ideas related to this idea are proposed in CEOP report:

- Identifying regional to local Impacts of ACC on the hydroclimate in RHP basins,
- Quantifying uncertainty by using CEOP data infrastructure,
- Testing models and ACC scenarios by applying WEBS analysis techniques and
- Exploiting CEOP/RHP connections to local/basin scale model Centers to assist in ACC work.

This work should also address: Seasonal forecasting (which collaboration?), drought/flood prediction and climate change impact analyses in cooperation with GEOSS/AWCI

- We propose joint CEOP (RHP-HAP) with out GEWEX initiatives (GEO, GWSP, CORDEX, ...)

But it still not the scope but the structure of CEOP seems to be too broad. Need suitable structure to allow better interaction specially in RHPs. Cross RHP activities are necessary.

The appointment of new RHPs is questionable. The good example of HYMEX before the development of the science and implementation plan. We recognize that this new RHP is filling a gap in an important basin.

In conclusion, the image of CEOP has become more clearly visible and their activities seem to be on the right track except some points mentioned above.