



World Climate Research Programme
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Extraordinary Session of the WCRP Joint Scientific Committee

30 November - 3 December 2020

GEWEX



- 1 **Briefly outline the nature of the review and what you hope to achieve (the “outcome”); how has the CP community have been involved.**
 - 1.a GEWEX started a reassessment of its priorities and goals 2 years ago. A new framework was set up (Science and Applications Traceability Matrix or SATM) to reframe research questions. This has engaged all panels and SSG together.
 - 1.b A draft white paper is currently circulating within the SSG for review. This articulates the SATM and lays out the science direction of GEWEX and the underlying driving questions and implementation tasks. The alignment of this with the WCRP plan, including its mapping to the LHA is also underway
- 2 **What steps are you taking to carry out the review?**
 - 2.a Review of plan internal to GEWEX. This is currently underway
 - 2.b consultation with other groups within WCRP (CPs, LHA, ...) and WWRP (WGNE, ...)
 - 2.c Review of plan by external stakeholders
- 3 **What stage are you at? And when will the task be complete?**
 - 3.a Internal review completed by next SSG
 - 3.b External review will be coordinated with LHA reviews
- 4 **Are there any preliminary recommendations to share with the JSC?**
 - 4.a **Recommendations? Maybe underscore the human impact on water cycle as a focus and role of high res modelling in influence our ability to quantify this? Implying careful coordination with digital twin earth efforts?**
 - 4.b Digital Earth will serve to monitor non-observable variables in the Earth system and one of the prime application will be water resource monitoring. It is thus important to involve from the on-set the hydrological community. They have tools and methods which are quite different from those in climate sciences and can thus bring in original expertise. Furthermore this community is used to work at very high resolutions. Over continents, we also have to consider that the system is managed to optimize its benefit for society. If available observations are to be merged into a Digital Earth systems, then they need to be cognisant of these human processes and not consider the system to still be in a natural state.
- 5 **Will there be changes in structure and/or governance of the CP?**
 - 5.a Probably not at the high level, SSG, co-chairs and the four panels will remain
 - 5.b Constant push to integrate activities both within GEWEX as with the wider WCRP (other CPs and the new LHAs, CORDEX, monsoon panel) WWRP (WGNE as well as GASS), WMO (Hydrology, GCOS, GFCS) and Future Earth (iLEAPS)
- 6 **Are there any resourcing implications - e.g. increased budget requirement; additional staff.**
 - 6.a IGPO is in good shape, **but its ability to support for meetings and new initiative remains limited**
 - 6.b
- 7 **Have you discussed with key partners / collaborators within and outside of WCRP (e.g. Future Earth....)? Who are these groups?**
 - 7.a WWRP – GASS is joint panel
 - 7.b WGNE – GASS and GLASS are ex officio
 - 7.c WMO Hydrology & Cryosphere – ongoing discussion
 - 7.d WMO GCOS
 - 7.e Future Earth -iLEAPS (strong connection with GLASS), Extremes activities
 - 7.f START – capacity building and diversity
 - 7.g USGCRP – **a joint GEWEX USGCRP focus on precipitation & its prediction is emerging?**
The above are the main, we interact with many partners and organizations both in context of science (eg. RHPs) or meetings and workshops.
- 8 **Do you have any thoughts / recommendations on additional funding mobilization? If so, are there obvious funders to be approached?**

Commenté [Unknown A1]: Yes, do you want more specific wording ?

Commenté [Peter van2]: There are 2 key items: 1) precipitation bias 2) Regional Hydroclimate Activities

There is also the thing call US GEWEX Project Office and the Water Cycle Lead (Drew Story)

Hence not sure how specific we should be in writing or extensive on this?

- 8.a WCRP has gotten more entangled in the funding game because of lack of institutional funding (i.e. through WMO primarily) – most additional funding either comes with strings attached or at the cost of other funding (to do the actual research)
 - 8.b WCRP is there to coordinate/facilitate international research collaboration, support new research agenda's and act as a global advisory body
 - 8.c WCRP should NOT DO research
 - 8.d Funding primarily for meetings (travel support and meeting organization) => ~ 125 K per year (nominal 100K/yr plus every ~4 years 100K for big conference) should be more than sufficient to support these per CP. Maybe shift emphasis to more regional focused (vs. based) meetings to increase local engagement and support capacity development
 - 8.e NSF in the US is the biggest fish, but comparatively China is lacking (and note avoid the strings attached funding)
- 9 What are your plans to entrain more participants from developing countries and Early Career Scientists (ECs) as well as to ensure gender equity? How do you plan to improve diversity, particularly in the leadership?**
- 9.a Actively been engaging with START to increase both the number of ECRs and LDC participants as well as capacity development activities
 - 9.b Promote RHPs outside of the dominant regions in WCRP (PANNEX, ANDEX,).
 - 9.c Actively recruit ECRs (e.g., via YESS) for panel membership
 - 9.d Proactively seek and enhance diversity in leadership (e.g., panel co-chairs).