

Feedback from WGCM to WMAC

13/10/17 pan-WCRP modelling meeting

Metrics/diagnostics

- T-AMIP to be considered as a 'proto-DECK' experiment
- open source repository for metrics codes (APP store).
- Communication on evaluation metrics to modelling groups

Infrastructure

- Consider broadening scope of WIP. Need to ensure focus on CMIP but support a wider group to start to discuss
- Seek ways to ensure stable funding for infrastructure work

High Res modeling

- Facilitate CORDEX/HighResMIP link e.g. comparison with regional simulations at same resolution
- Jointly work on issues of 'modelling regional climate' with CORDEX, in addition to regional downscaling
- Ensure we build on this good renewal of links under whatever new WCRP structure emerges

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ESM/Seamless

- Decadal predictability of climate/carbon will be a major focus for UNFCCC (global stocktake) so build link within GC on decadal predictability and DCPD
- As clarity emerges on future of AIMES, work to build and maintain link from WGCM (carbon feedbacks GC) to AIMES
- Can we improve the speed for which ESMs can benefit from improvements (e.g. in resolution) of models and reduced systematic biases?
- What would a more seamless relationship between WWRP and WCRP mean for WGCM?

Multi-model synthesis and uncertainty/Linking models to user community

- WGCM can promote literature on multi-model ensemble and extracting information e.g. sub-selecting GCMS to drive regional models
- WGCM promoting VIACS diagnostics and working to engage with this community e.g. thoughts on guidance documents, demonstration projects, IPCC (e.g. role of DDC)
- Explore ways in which models may be better used to define observational missions