

WCRP Data Advisory Council

17 July, Beijing

Briefing to JSC
by WDAC co-chairs

WDAC ToR

- WDAC suggests minor wording changes for clarification
 - *e.g.*, clarify *ex officio* membership
- Action: Forward revised ToR to the JSC
 - no further action needed by JSC

SCOPE-CM

- Background: There is ongoing collaboration between research and operational groups in the transition of data sets facilitated by multiagency initiatives such as SCOPE-CM and GEWEX GDAP.

For example:

- GEWEX ISCCP to NOAA,
 - EU HOAPS to EUMETSAT CM SAF
- Recommendation: JSC is requested to encourage all WCRP projects to engage with operational activities such as SCOPE-CM regarding satellite observing data sets

ECV inventory

- Background:
 - Data set inventory proposal was developed at the Joint WCRP/GCOS workshop in Frascati, Italy in April 2011. Subsequent discussion between WOAP chair and NOAA/NCDC has led to an implementation plan developed by NCDC for the GOSIC data portal
 - There are ongoing activities on a data set inventory by CEOS/CGMS to establish an architecture for space-based climate monitoring. A web-based community questionnaire is forming the basis for the first version of the this architecture
- Recommendation: WDAC urges harmonization between the GOSIC and the CEOS/CGMS initiatives, which would provide a composite inventory of *in situ* and satellite observations
- Action: WDAC task group will monitor progress and report to the next WDAC session

Obs4MIPs

- Background: WDAC was briefed on the ongoing initiative Obs4MIPs, which makes observing datasets available in an ESGF accessible format.
- Recommendation: WDAC encourages broadening of contributions from the WCRP core projects, CEOS, CGMS, IGBP, SOLAS and the Reanalysis community to this activity, so as to populate the ESGF and further facilitate model-data comparisons

Reanalysis

- Background: The 4th WCRP International Conference on Reanalyses called for international coordination on input observations (*in situ* and remotely sensed covering atmosphere, ocean and land)
- Recommendation: initiate planning activities for a WCRP workshop addressing these issues
- Action: Task team composed of M. Bosilovich, A. Simmons and J. N. Thepaut to develop a proposal for this workshop, likely to be held at ECMWF in 2014

Miscellaneous

- Recommendation: Put higher priority on non-physical variables such as partial pressure of carbon dioxide (pCO₂) as an Essential Climate Variable (ECV). E.g., include the SOCAT database in the ECV inventory and in Obs4MIPs
- Action: WDAC will liaise with the WMO Global Cryosphere Watch (GCW) on Arctic data issues and to help GCW integrate efforts within the wider climate data community activities
- Action: WDAC will encourage development of climate data stewardship and efforts towards data set publication and traceability of data set versions (citations, peer-reviewed articles, DOIs)
- Action: WDAC web page will add links to data initiatives to core groups
- Watch (TBC): GCOS: possible action from JSC after GCOS SC regarding GTOS issue/sponsorship to TOPC

WDAC: Next meeting

- (TBC) WG Climate hosted by JRC Ispra, Italy in April/May 2013
- Suggested topics:
 - In-depth briefing on Obs4MIPs
 - Observations for reanalysis workshop
 - CEOS and GOSIC to brief on ECVs including maturity index
 - Request WCRP core projects to brief on their best data assessment practices, recommending specific data sets to users
 - SCOPE-CM Pilot presentations covering relevant parameters
 - Definition of an OSSE framework for network design for climate applications
 - Data needs to initialize models to provide seasonal ice outlooks
 - Bio-geochemical data needs for Earth System models by IGBP rep
 - ESGF governance