

**JSC37 and WMAC5
(25-27 April 2016, Geneva)**

JSC37

- Two new Grand Challenges endorsed: “Carbon Feedbacks in the Climate System” and “Near-Term Climate Prediction”, for a total of seven.
- The Young Earth System Scientists (YESS) network endorsed.
- Regional climate reorganization: An ad hoc working group of the JSC will recommend guidelines, identify partnerships, and suggest an overall structure as appropriate. The JSC also considered urban issues as a special challenge related to regional climate information.
- Plans for next 12 months: new strategy, CMIP6, renewed communication plan, newsletter and revamp of the web.
- Complaint from co-chairs of core projects.
- WCRP to support the research community on accessing the Lead Centre results.

WMAC5

- Chairs Christian Jakob and Jerry Meehl.
- Joint WCRP/WWRP model development prize.
- Next model development summer school at CPTEC in 2017, parametrisations in the grey-zone area.
- Joint modelling working group meeting at the Met Office in October 2017 to support a WCRP modelling strategy for the following ten years.
- No working group reports to JSC, just a summary from WMAC.
- Solicit input from modelling centres about their expectations from WCRP.
- Model improvement is central to GCs and core projects. Each one should provide a set of model development needs.
- Cross-WCRP (ambitious) initiative to improve model precipitation.

Near-term climate prediction GC

- The NTCP-GC is led by Adam Scaife and Yochanan Kushnir.
- Three objectives:
 - Research and development to improve multi-year to decadal climate predictions
 - Collate and synthesize prediction output and tailor climate information
 - Develop organizational and technical processes, including international coordination to underpin future routine provision of prediction services
- The GC includes synthesis of real-time prediction information from multiple existing, initialized prediction systems, and assessment of the confidence the scientific community has in the information → Global Decadal Climate Outlook
- Real-time forecasts being collected, seek WMO recognition.
- A concept note and a white paper are in preparation.

Expanded scope for decadal

- Several initiatives active: DCPD, DCVP (part of CLIVAR), NTCP-GC (a pan-WCRP effort), plus initiatives led by the Commission for Basic Systems (operationalisation) through the Expert Team.
- WGSIP's role is mainly as host of DCPD, which implies that an expansion of the working group will be necessary, without increasing the number of members of the panel.
- WMAC supported for WGSIP to coordinate all the different activities, but not accepted by the JSC.
- Modelling not very prominent in the draft new WCRP strategy.

Decadal prediction internationally

WCRP and its core projects, particularly CLIVAR, have identified the need to advance the study of decadal climate variability and predictability (DCVP) and to continue experimental climate prediction.

WWRP Organization

S2S
PPP
JWGFVR

WCRP Organization

Joint Scientific Committee

Joint Planning Staff

Modeling Advisory Council

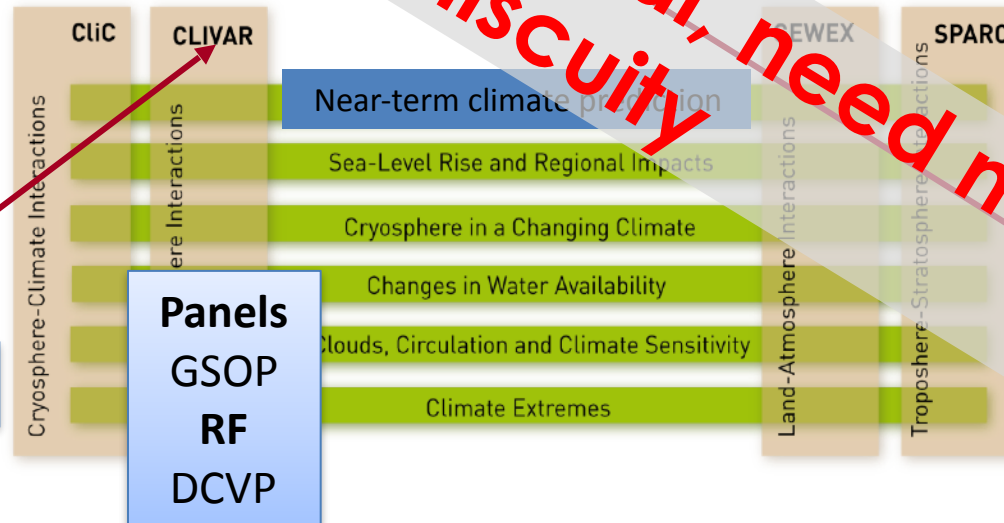
Data Advisory Council

Working Groups: Coupled Modelling (CM), Regional Climate (WGRC), Seasonal to Interannual Prediction (WGSIP), and Global Experimentation (WGNE)

IPCC

GFCS (Climate services)

CMIP



We are here

Panels
 GSOP
 RF
 DCVP

• DCPP (CMIP6)
 Drift and initial
 shock initiative

Very compartmental, promiscuity, need more