



# WCRP Modelling Advisory Council (WMAC)

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# JSC expectations

- Not enough time and expertise in JSC to deeply discuss modelling issues
- WMAC to serve as an extension to the JSC to have those discussions and provide advice in all directions
- Identify gaps and duplication and instigate efforts to remedy them



# Community expectations

Questionnaire was sent to all participants

- WMAC - What is it good for?

Perceptions and worries at the start

- Will be top-down and prescriptive
- •More work, no gain
- •Coordination is well handled in existing structure



# SO.....

- Role of WMAC is mainly advisory working with all modelling groups
- Main responsibility for working-level coordination must remain with the individual groups
- WMAC as a forum for discussion and communication between the groups

**BUT:** WMAC should also identify and promote priority areas, as the community is already overstretched



# Proposed Activities

- **Promote model development**, e.g., facilitate sharing of model development experience between groups through workshops but also online tools
- **Model evaluation** e.g., promotion of new diagnostic techniques to link model error to process deficiencies
- **Model application** e.g., assessing and communicating limitations and uncertainties
- **Communication** e.g., white papers and synthesis papers on issues relevant to the Grand Challenges, e.g., model biases, ...

We would like to start those now through the use of online communication tools (see below).



# Membership etc

- High-level, preferably ex-officio rather than personal membership
- Include direct membership of WWRP - essential for seamless discussions
- 2-3 JSC members assigned as liaison and attending the meeting preceding WCRP
- make good use of email



# Possible issues relating to WGCM

- Dynamical aspects of climate change
- Monsoons
- Survey of summer schools on climate change
- Online space



# WMAC-WDAC interactions (TBC)

- Data assimilation
- Reanalyses
- OBS4MIPS
- Synergies between instrument simulator and retrieval approaches to model evaluation