

# WMAC 5 – April 2016 - Geneva

- Always co-located with the JSC
- GLASS has yet to be there in person
- Jon Petch used to attend but is no longer GASS co-chair
- Purpose of WMAC has been a bit nebulous to this point
- <https://www.wcrp-climate.org/wmac5>

Christian Jakob	Co-Chair and <b>WGNE</b> Rep.	Monash Uni., AUSTRALIA
Gerald Meehl	Co-Chair	NCAR, USA
Sandrine Bony	<b>WGCM</b> Rep.	LMD/IPSL, FRANCE
Peter Cox	<b>IGBP</b> Rep.	Uni. Exeter, UK
Gokhan Danabasoglu	<b>CLIVAR</b> Rep.	NCAR, USA
Francisco Doblas-Reyes	<b>WGSIP</b> Rep.	Catalan Institute of Research, SPAIN
Greg Flato	<b>CliC</b> Rep. (ad-interim)	Environment Canada, CANADA
William Gutowski	<b>CORDEX</b> Rep.	Iowa State University, USA
Masahide Kimoto		Uni. Tokyo, JAPAN
Judith Perlwitz	<b>SPARC</b> Rep.	NOAA, USA
Joseph Santanello	<b>GEWEX</b> Rep.	NASA-GSFC, USA
Jean-Noel Thepaut	<b>WDAC</b> Rep.	ECMWF, UK

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- Promoting model development and coordination across WCRP
- Summer school on model development
  - 2015 @ MPI: 240 applications; 40 selected
  - 2-year repeat: Next in Brazil focused on grey-zone
  - GLASS: 1-year might be worthwhile; LSM-PBL school at NCEP; Meteo-France host in future?
- WCRP/WWRP International Prize for Model Development
  - 2<sup>nd</sup> year (17 and 10 applications in Y1 and Y2)
- Modeling Summit in May 2017 at UKMO (All W's participate)
  - Include GLASS via WGNE but not open up to ALL of GLASS (key members/interests only)
- WGNE, WGCM, WGSIP, CORDEX all reported WMAC for the first time – not optimal and questions JSC interest
  - WGNE
    - Improve models, systematic errors, process diagnostics (work w/GEWEX groups)
    - Build stronger links with GASS and GLASS
    - Concern over lack of GASS leadership
    - June 2017 (Montreal) WGNE Systematic Errors workshop
    - WGNE stated goals are 'atmospheric' circulation - but where does coupled NWP live?
- Model development takes place at operational centers with little input from academia. Needs improvement.

# Future of LoCo

## 3-Pronged Approach?

- a) Continue to follow and broaden the science and WG participation
  - No problems here: snow, geology, carbon, LULCC, momentum, radiation, fluorescence, monsoon – will evolve naturally
- b) Engage and entrain the operational/model development community
  - Ahmed and Craig – convective schemes + observing networks
- c) Consider a more formal GLASS-type MIP – but don't force it!
  - Synthesize what we have now in terms of metrics and message
    - Craig's roadmap
    - What can we entice modelers with? Simple is often better
    - What are the variable and obs requirements – doable?
    - Leverage off existing MIPs: LoCo-Plumber, LoCo-DICE, LoCo-CMIP