

# WMAC Report

Christian Jakob and Jerry Meehl

Note: For the first time, there was no WMAC meeting in conjunction with the JSC!

# Joint WCRP/WWRP Model Development Prize

- Established and now awarded three times - Thank you WCRP and WWRP for all your work and support!
- After first round we revised the selection criteria, which simplified the selection process.
- Winner 2016: Irina Sandu (ECMWF) for her work on PBL parametrization
- Call for nominations for 2017 will come out in July with a 1st October deadline - Please spread the word
- Call and Selection panel composition review to encourage better inclusiveness of various disciplines

# Model development summer school

- Reported last year about new Summer School at CPTEC, Sao Paulo, Brazil -> Parametrisation in the grey-zone era
- Has been delayed due to budget issues
- Most likely now in Jan/Feb 2018
- Discussions with NCAR have begun for possible hosting of third school in 2019

# Pan-WCRP Model WG meeting in 2017

- UK MetOffice, 9-13 October 2017
- Bring all annual meetings of the WCRP working groups into one location for the first time!
- Facilitate cross-talk in support of developing a WCRP modelling strategy for the next 5-10 years

# Pan-WCRP Model WG meeting in 2017

- Draft Agenda has been developed
- 1/2 day introduction, 2.5 days individual group meetings, 1 day of breakout group meetings (8 topics), 1/2 day summary and conclusions, WMAC-6 for 1/2 day
- Budget issues: Survey of participants showed that ~80% will come on their own funding, making the meeting feasible.
- Invitations to partners will be extended soon (Core projects, WWRP, ...)
- Action for JSC: Are there topics you wish the meeting to discuss in its breakout sessions? Who from the JSC will attend?

# A survey of modelling activities in WCRP

Project/WG/GC	Activity	Website	Contact	Type (Dev, Eval, Pred)
CliC / GC on Melting Ice and Global	Earth System Model-Snow Model	<a href="http://www.climate-cryosphere.org/activities/targeted/esm-snowmip">http://www.climate-cryosphere.org/activities/targeted/esm-snowmip</a>	Gerhard Krinner	Eval
CliC / GC on Melting Ice and Global	Ice Sheet Model Intercomparison for CMIP6	<a href="http://www.climate-cryosphere.org/activities/targeted/ismip6">http://www.climate-cryosphere.org/activities/targeted/ismip6</a>	Sophie Nowicki	Eval/Pred
CliC / GC on Melting Ice and Global	Glacier Model Intercomparison Project	<a href="http://www.climate-cryosphere.org/activities/targeted/glaciernip">http://www.climate-cryosphere.org/activities/targeted/glaciernip</a>	Regine Hock and Ben Marzeion	Eval/Pred
CliC / GC on Melting Ice and Global	Permafrost Carbon Network (PCN)	<a href="http://www.permafrostcarbon.org/">http://www.permafrostcarbon.org/</a>	Ted Schuur	Eval
CliC	Sea Ice and Climate Modelling Forum	<a href="http://www.climate-cryosphere.org/activities/groups/seaicemodeling">http://www.climate-cryosphere.org/activities/groups/seaicemodeling</a>	Alexandra Jahn and Dirk Notz	Eval
CliC	Marine Ice Sheet-Ocean Model	<a href="http://www.climate-cryosphere.org/activities/targeted/misomip">http://www.climate-cryosphere.org/activities/targeted/misomip</a>	David Holland	Eval / Dev
CliC	Biogeochemical exchange processes at	<a href="https://sites.google.com/site/bepsiiwg140/about-us">https://sites.google.com/site/bepsiiwg140/about-us</a>	Clara Deal and Nadja Steiner	Eval
CliC	Antarctic Sea Ice Processes & Climate	<a href="http://www.climate-cryosphere.org/activities/groups/165-aspect">http://www.climate-cryosphere.org/activities/groups/165-aspect</a>	Marilyn Raphael and Steve Ackley	Eval/Dev
CliC	Southern Ocean Region Panel (SORP)	<a href="http://www.climate-cryosphere.org/activities/groups/sorp">http://www.climate-cryosphere.org/activities/groups/sorp</a>	John Fyfe and Inga Smith	Eval
CliC	Ice Sheet Mass Balance and Sea Level	<a href="http://www.climate-cryosphere.org/activities/groups/ismass">http://www.climate-cryosphere.org/activities/groups/ismass</a>	Catherine Ritz	Eval/Dev
CLIVAR/OMDP	CORE	<a href="http://www.clivar.org/omdp/core">http://www.clivar.org/omdp/core</a>	Steve Griffies (stephen.griffies@noaa.gov)	Dev
CLIVAR/OMDP	REOS	<a href="http://www.clivar.org/clivar-panels/omdp/reos">http://www.clivar.org/clivar-panels/omdp/reos</a>	Lei Han (lei.han@clivar.org)	Eval
CLIVAR/OMDP	OMIP	<a href="https://www.wcrp-climate.org/modelling-wgcm-mip-catalogue/modelling-wgcm-cmip6-endorsed-mips/index.php?&amp;view=article&amp;id=1063">https://www.wcrp-climate.org/modelling-wgcm-mip-catalogue/modelling-wgcm-cmip6-endorsed-mips/index.php?&amp;view=article&amp;id=1063</a>	Gokhan Danabasoglu (gokhan@ucar.edu)	Dev/Pred
CLIVAR/GSOP	ORA-IP	<a href="http://www.clivar.org/clivar-panels/gsop/ocean-synthesisreanalysis-efforts">http://www.clivar.org/clivar-panels/gsop/ocean-synthesisreanalysis-efforts</a>	Nico Caltabiano (nico.caltabiano@clivar.org)	Eval

# A survey of modelling activities in WCRP

- There are 47 (67) individual modelling projects.
- Many of them are not run by the modelling working groups, which WMAC aims to coordinate, but directly through the core projects and/or Grand Challenges.
- They are all led by identifiable individuals and groups and have community support.

# A survey of modelling activities in WCRP

- There are 47 (67) individual modelling projects.
- What do they claim to do?
  - Evaluation: 38
  - Prediction: 19
  - Development: 16
- Question for JSC: What is WMAC's role in the coordination, execution and delivery of these projects?
- For a start we will review what we have received and provide feedback to the JSC after WMAC-6.



# Strategic planning

- As part of the JSC's work on a new strategy, the function and form of WMAC should be reviewed
  - Extension of the JSC?
  - Coordinator of all modelling?
  - Connection to the modelling Centres?
- Timelines are important as the October meeting is an opportunity to canvass the community.

# Actions for JSC

- Provide input and participate in the October Pan-WCRP modelling meeting
- Clarify WMAC's role in "coordination" of modelling activities especially those outside the WGs
- Clarify WMAC's future in the new strategy

Thank you

