CESM Polar Climate Working Group Meeting
6-7 February 2020
National Center for Atmospheric research – Mesa Lab
Boulder, Colorado

Thursday, February 6

9:00  Welcome and logistics\       M.Holland & J.Kay
9:10  Fingerprints of internal drivers of Arctic sea ice loss in observations and model simulations Q.Ding
9:30  Arctic Freshwater Storage and Export in CESM2-CAM6 and CESM2-WACCM6 H. Zanowski
9:50  Process scale observations of Arctic sea ice during MOSAiC M. Smith

10:10 Break

10:30 Antarctic sea ice in CMIP6 L.Roach
10:50 Observed and Modelling Evidences of Significant Impacts of Antarctic Sea Ice Anomalies on Southern Hemisphere Circulations Q.Wu
11:10 Progress and Plans for Sea Ice Modeling in the CICE Consortium, E.Hunke
11:30 Seasonal transitions of Arctic sea ice over the satellite era in CMIP6 models A. Smith

11:50 Lunch (on your own)

1:00  Contribution of tropical Pacific sea surface cooling to accelerated sea ice melt from 2007 to 2012 I. Baxter
1:20  Arctic and Antarctic sea ice state in CESM2 and the impact of clouds A.DuVivier *
1:40  Changes in Arctic Sea Ice in the Community Earth System Model Version 2 (CESM2) over the 20th and 21st Centuries P.DeRepentigny *
2:00  Arctic clouds in CESM2 J.Kay *
2:20  The influence of new sea ice physics in CESM2 D.Bailey *

3:00 Coffee Break

3:20  The Annual Cycle of Antarctic Sea ice Extent in CESM2 (REMOTE)* M. Raphael
3:40  An Overview of Antarctic Sea Ice in the CESM2 (REMOTE)* H.Singh
4:00  Sea ice variability across timescales in CESMx and observations (REMOTE)* E.Blanchard-Wrigglesworth

To join the meeting remotely:
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4:20  Snow on Arctic sea ice in a warming climate (REMOTE)*  M. Webster

4:40  Discussion

5:00  Adjourn; Dinner and drinks at Under the Sun

Friday, Feb 7

CESM Project Updates
9:00  Welcome
9:10  CESM2 Project Updates  M. Holland
    CESM2 Special Issue
    CESM2 Integrations

9:40  PAMIP Integrations and CESM2 LENS  C. Deser

10:00  Break

10:30  Discussion
    Topic 1. Future activities of the PCWG.
    Model Developments
    Model Integrations

    Topic 2. Involvement in CMIP:
    * What value do you see (or is there) in CESM's participation in the CMIP efforts?
    * Relatedly, how have CESM CMIP simulations / experiments helped you advance your science?
    * What fundamental science does the CESM's CMIP participation come at the expense of?

12:00  Adjourn

* refers to talks that are showing results from CESM2 special issue papers
(http://www.cesm.ucar.edu/publications/?ref=nav)

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