



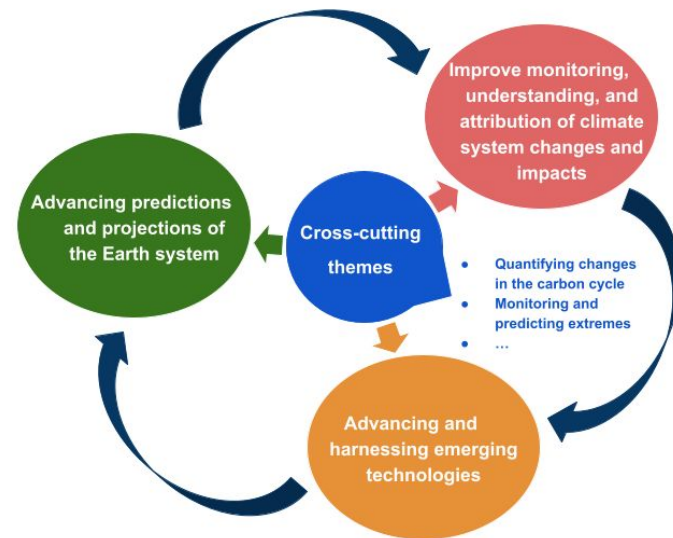
ESMO
Earth System Modelling
and Observations

Introduction to ESMO

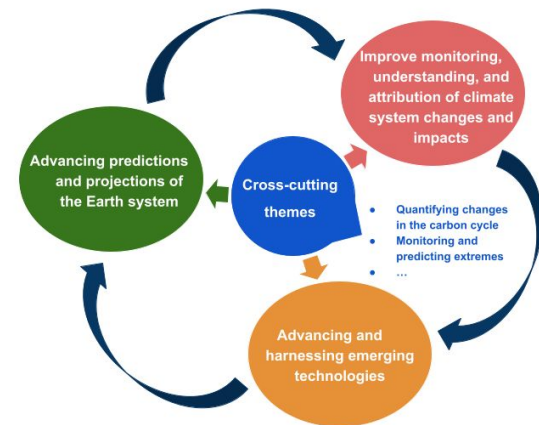
Susann Tegtmeier & Baylor Fox-Kemper

ESMO SSG co-chairs

1. Advancing predictions and projections of the Earth system
2. Improving monitoring, understanding and attribution of climate system changes and impact
3. Advancing and harnessing emerging technologies



- Carbon cycle
- Extremes
- Parameterizations and Emulators
- Data Assimilation and Statistical Modelling
- Managing Slow and Fast Earth System Components
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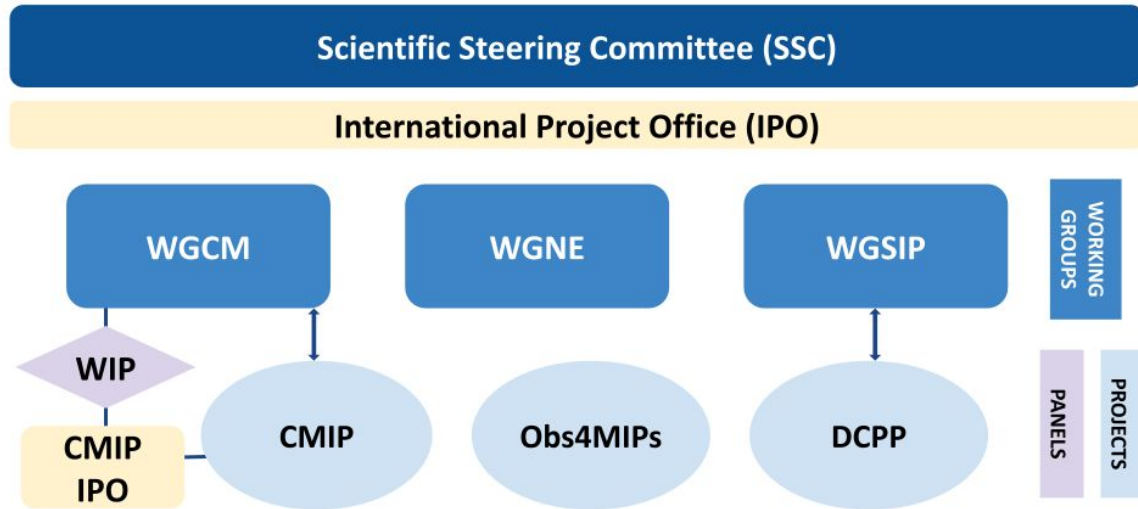


Hopefully more topics & specificity through this meeting!

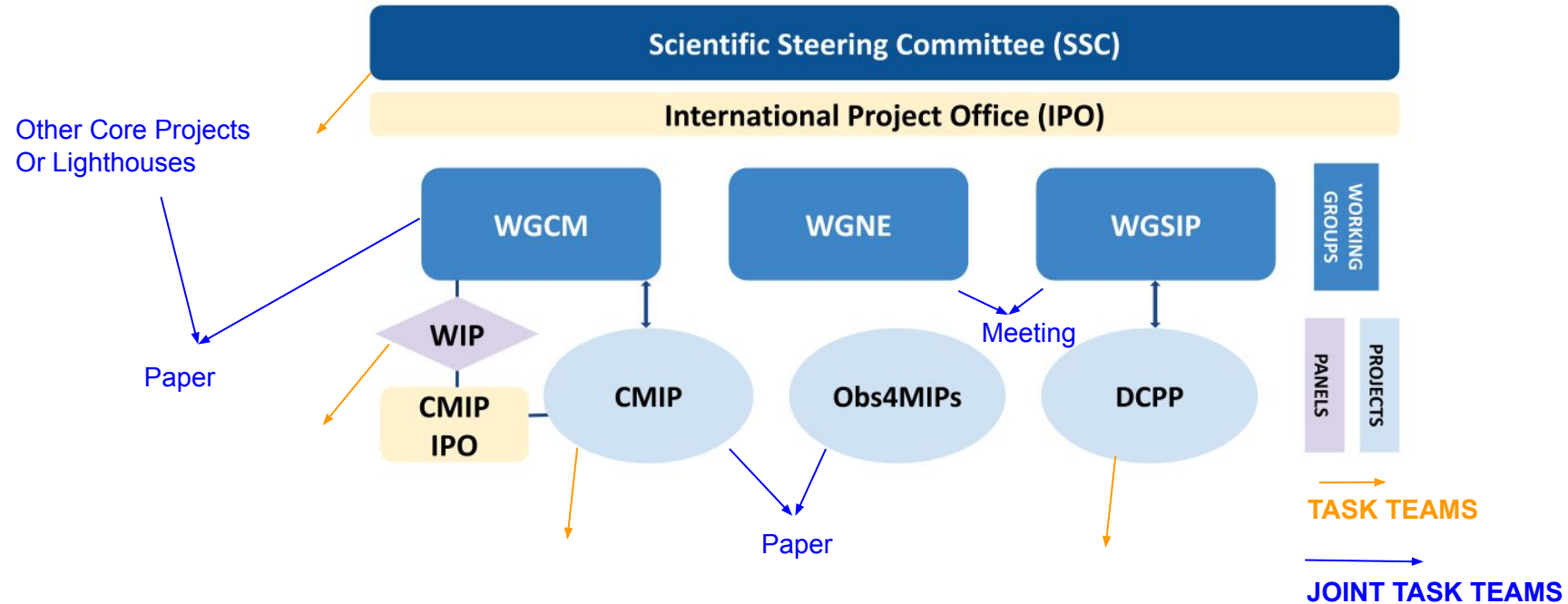
Where are we right now?

- Relatively new SSG with 12 members from the international WCRP modelling, observational and data assimilation community
- Relatively new IPO
- Currently working on the ESMO science plan
 - What concrete activities do we want start?
 - Collaborations?
 - Missing topics?
 - Overlap?

ESMO structure



ESMO structure



1. Coordination activities
 - a. Meetings (e.g. this one!)
 - b. Community papers (e.g. ocean spin-up)
 - c. Get the support of IPO in communications, planning
 - d. Task teams have limited duration & scope
2. ESMO SSG Membership & Terms of Reference review for all panels/projects/task teams
3. Web presence & open access
4. Prizes
5. Schools/training & capacity building (engagement with Global South)