
Coupled Prediction- Task Team:

Revamp and Revive

Mar 09, 2022

Overview

A plan to revive/revamp

- Membership
- Short-term plans (1-2 years)
- Longer-term plans (5 years)

Biggest item:

Your ACTIVE participation

Membership

Activities

- CP-TT has been dormant.
- We would like to revive it.
- Make it an ACTIVE group!

Participants

- 16 members, including 3 co-chairs.
- Based on the [chosen options](#) in Kirsten's email:
 - Continue in the *core* -> *active* group.
 - Move to an *extended community*.

New members

- Identify relevant/new focus areas.
 - Invite new members.
 - Members of the extended CP-TT community: receive communications and can stay in touch, re-join *core group* as needed.
 - Set up a google-group
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Short-term

Short - term plans

Projects

- Compare performance of each-others systems: **learn from another.**
- Work towards common goals, faster.
- Tangible, lasting progress.

Topics

- **Suggestions follow ...**
- YOU will decide what topics are import for you!
- Use information from observations as a yardstick.

Lectures/Seminars series

- Repeat every 4-months on last Thursday at ??UTC, 1-hour long (30 min presentation)
 - Topics of broad CP-TT interest
 - Eric Chassignet to kick off in April/May
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Project topics

Coupled Processes

- Tropical Cyclones
- MJO
- Air-sea interaction
- Coupling with other components: Earth system modeling perspective (reanalysis)
- Coupling methods/tools

Ocean Modeling/Physics

- Resolution (horizontal, vertical; hybrid vertical coordinates)
- New parameterizations/formulations
- Model biases, drift

Predictability/Impacts

- Improvement in predictability from changes in: ocean resolution, air-sea-ice interactions
 - Time-Scales: weather, S2S?
 - Robust metrics to quantify improvement across different systems
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Long-term

Long - term plans

Interactions/Outreach

- Organize a workshop, perhaps joint with other TTs.
- Summer school (post-covid?)
- One of the members liaisons with other groups to report out on other advancements

White paper

- Summarizing outcomes from project(s) as they evolve

Code/Data Sharing

- Format (file, frequency)
 - Means (software: github)
 - Open-source
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Next steps

Meet every 6- 8 weeks

Date set via doodle poll

Meanwhile be in touch

In small groups, google-groups, and sub-groups for projects

Start project(s)

Identify who wants to contribute to which projects and get to work!

Goals for next meeting

1. Link to ocean models information [from national representatives](#)
 2. Which projects got started and participation.
 3. Report updates/progress.
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