

Welcome to CFSv3 Planning Meeting

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Acknowledgements:

- CPO sponsorship for refreshments & working lunch
- ESSIC for providing the meeting facilities
- John, Sky, and Jiayu for help in the meeting logistics
- Comments from NCEP and the community on the meeting agenda

Background and Motivation

- NCEP implemented CFSv2 in March 2011
- 2009 UCAR Review on NCEP recommended:
 - to create a culture and work environment that attracts an extraordinary cadre of talented scientists
 - to embrace an entirely new approach to model development and implementation
- National Research Council (NRC) is organizing a study on US climate modeling strategy for the next 10-20 years

Meeting Objectives

- To develop a vision and strategy for CFSv3, in advance of the development cycle for CFSv3, by bringing NCEP scientists and external community together
- To enhance NOAA-wide partnership and NCEP-external community collaborations on climate model development

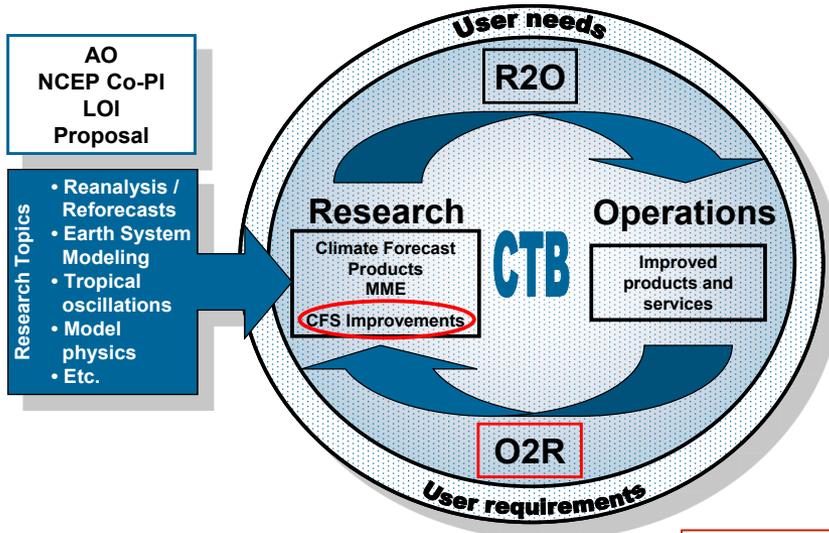
Key questions to be addressed:

- 1) Why is there a need for CFSv3?
- 2) What does the future CFSv3 look like?
- 3) How to improve the CFS development process?

Meeting Structure

- **Overview Session**
 - NOAA strategic goals in climate and climate modeling
 - USGCRP modeling strategy
 - NCEP View
 - MAPP Program
 - NCPP
 - CWG
- **3 Topical Sessions**
 - Plenary talks
 - Breakout discussions (2 for each issue)
- **Synthesis/Discussion Session**

NOAA Climate Test Bed



Mission

To accelerate the transition of scientific advances from the climate research community to improved NOAA climate forecast products and services.

- Joint NCEP-CPO facility @ NCEP
- CTB Science Advisor Board (SAB)
- Established in 2005
- Serves as conduit between the operational, academic and research communities

CTB Science Priorities:

- ***CFS improvements***
 - *e.g., NCEP Climate Process Team (CPT)*
- ***Multi-model ensembles (MME)***
 - *first “real time” experimental National MME Forecast in August, 2011*
 - *A platform and comprehensive data for ISI research and collaborations among various US modeling centers*
- ***Improving climate forecast products***

Expected Outcomes

- **A White Paper on the vision and strategy for the CFSv3 development** based on recommendations from this meeting
- **Recommendations on specific near-term actions and mechanisms for follow-up, for example:**
 - **A CFSv3 Core Team** (NCEP and the external community)
 - To develop the white paper (initial task)
 - To play an advisory and coordinating role in the future CFSv3 development/evaluation/implementation
 - **Key R&D areas (& funding opportunities) in FY13**
 - **Annual CFS Workshops**