

Predictability, Prediction, Applications Interface Panel (PPAI)

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US CLIVAR
Summit 2015
PPAI Panel



Why are we here and what are our goals this week?

1. Identify research priorities relevant to our panel
2. Identify actions that can be taken to move this research forward
 - Funding is limited for WGs, workshops, etc.
 - Webinars, special sessions, workshops tagged onto other mtgs, special issues, other?
3. Identify how we can highlight the success of what we are already doing to advance these research objectives

Practical considerations:

- What are you already doing?
- What are your own research objectives that you want to advance that are relevant to PPAI?

US CLIVAR Implementation Priorities: PPAI

Quantifying Improvements in Predictions and Projections

- 1) Addressing Predictability & Prediction Across Timescales
- 2) Identifying Predictability and Skill Baseline and Limits
- 3) Evaluating Forecast Quality and Quantifying Uncertainties
- 4) Assessing whether ensemble spread is appropriate representation of uncertainty
- 5) Testing models against observational data and quantifying model biases and errors

Communication of Climate Information

- 1) Identifying specific pathways for effective engagement of applications
- 2) Improving practices of model documentation and comparable quantitative evaluation
- 3) Developing information on uncertainties for climate service agencies that is useful for applications
- 4) Improving comprehension of distinctions of and connection among climate variability, anthropogenic forcing, and evolution of current climate state

Plenary Sessions

- ENSO Monitoring, Analysis, and Prediction
- Warming Hiatus

Areas of Common Interest Between Panel Members

Communication of Climate Information

Extremes

Improving predictions

Regional Prediction & applications