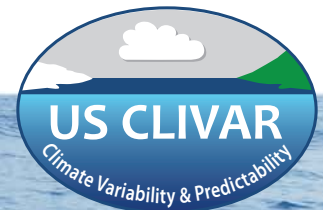




2019 US CLIVAR Summit Wrap-up and Next Steps

Tony Lee, SSC Chair



Outcomes

- Simulating presentations and discussions through Science Sessions and Panels
 - Challenges in applying big data and machine learning to climate and Earth system science
 - Observing and modeling to improve understanding and prediction of Arctic Ocean variability and change
 - Implementation strategy to advance framework for West Coast marine ecosystem prediction (and possibly to expand to other US coastal regions)
- Identification of near-term panel priorities with specific recommendations and action items regarding:
 - Ocean observing system (incl. review, assessment, integration)
 - Coast sea level changes
 - Quantifying uncertainties in observations and forecasts
 - Biogeochemistry and ecology obs and modeling
 - Air-sea interactions
 - Subseasonal to seasonal prediction
 - Seasonal to decadal prediction
 - CMIP6 progress and improvements
 - Climate and health

Next Steps

Summit Report – notes to Panel chairs by August 16; publish by end of October

Panel and SSC telecons in fall and winter/spring

- Critical importance of post-Summit dialogue and progress on action items
- Identify new member expertise needs

Call for workshops and conferences: August 19-September 27

Call for new WG (typically one selected): September 9-October 11

Nominations of new Panel co-chairs this fall

Calls for new US Panel members: November 4-December 20

Set panel **webinar** schedules

Opportunity to contribute to **research highlights**, showcasing US CLIVAR-related papers through US CLIVAR website (contact Jennie)

Panel meetings next Summer (dates and locations tbd)

Upcoming Workshops/Meetings

◆ US CLIVAR

- AMOC Metrics Workshop, Honolulu, September 14-15
- OceanObs'19, Honolulu, September 16-20
- Water Isotopes and Climate Workshop, Boulder, October 1-3
- CMIP6 Hackathon, Boulder and Palisades, October 16-18
- AGU Fall Meeting and Town Hall, San Francisco, December 9-13
- Surface Currents Workshop, La Jolla, February 22-24
- Multi-year Climate Predictability Workshop, Boulder, March 31-April 2 (tentative)

◆ International CLIVAR & WCRP

- Climate Dynamics Panel, Mykonos, Greece, October 4-5
- Pacific Region Panel, Victoria, Canada, October 28-29
- WCRP Sea Level Grand Challenge and Climate Services Wksp, Orleans, France, Nov. 12-13
- Scientific Steering Group, San Diego, February 15-16, 2019
- WCRP/GCOS/GOOS Workshop on Heat and Freshwater Storage and Transports in Obs and Climate Models, Exeter, UK, April 28-May 1

◆ OceanObs'19, Fall AGU, Ocean Sciences, AMS Meetings

- US CLIVAR-Organized Sessions and Town Halls

US CLIVAR Early Career Scientist Leadership Awards

Scope:

- Goal is to recognize outstanding ECS community service to advance US CLIVAR's goals
 - Organization of community activities (science sessions, workshops, training programs)
 - Communication and outreach (state of science review articles, white papers, reports)
- Three awards aligned with focus of Panels
 - Ocean and climate observations and synthesis
 - Climate process studies and model development
 - Climate predictions and engaging the applications interface
- Open to community (not just those on US CLIVAR Panels and Working Groups)
- SSC will select the awardees
- Awardees receive certificate and \$1K travel award to conference of choice in next year

Timeline:

- August/Early September: Announce competition (leave the call open for ~2 months)
- Late October: Deadline for competition
- Mid-November: SSC review of nominees and selection of awardees
- December 9-13: Announcement of awards at AGU Fall Meeting

Fall AGU Town Hall: Early Career Scientist Opportunities and Future Leader Awards

Thank You

Science Session Organizers and Presenters

Panel Co-chairs and members for organizing and convening sessions

Panelists for preparation, participation, and taking action

Agency managers and invited guests

Special thank you to **Jennie, Jeff, and Isaac** for excellent support

Thank You

