

U.S. CLIVAR Summit 2013 Agenda
July 9-11, 2013
Loews Annapolis Hotel, Annapolis, MD

Tuesday, July 9

<u>Time</u>	<u>Agenda</u>	<u>Location</u>
0730 – 0800	Light breakfast/ Check-in	Atrium
0800 – 0815	Welcome, Introductions, Meeting Objectives & Outcomes (Bob Weller)	Ballroom C
0815 – 0830	U.S. CLIVAR Overview (Mike Patterson)	Ballroom C
0830 – 0930	U.S. CLIVAR Science Plan (Lisa Goddard)	Ballroom C
0930 – 1000	International CLIVAR Program Update (Lisa Goddard & Anna Pirani)	Ballroom C
1000 – 1030	Coffee break	Atrium
1030 – 1130	U.S. Agency Engagement (Eric Lindstrom, Eric Itsweire, Rick Rosen, & Dan Eleuterio)	Ballroom C
1130 – 1200	Research Challenges (Jay McCreary & Janet Sprintall)	Ballroom C
1200 – 1315	Working lunch	Loews (TBD)
1315 – 1500	Science Team and Working Group Reports (20 min each) U.S. AMOC Science Team (Jim Carton) Decadal Predictability WG (Lisa Goddard) High Latitude Surface Flux WG (Mark Bourassa) Greenland Ice Sheet/Ocean Interactions WG (Olga Sergienko) Southern Ocean Heat & Carbon Uptake WG (Joellen Russell)	Ballroom C
1500 – 1520	Coffee break	Atrium
1520 – 1700	Ocean Carbon Uptake in CMIP5 Models WG (Annalisa Bracco <i>by phone</i>) Hurricanes WG (Suzana Camargo) Extremes WG (Matt Barlow) ENSO Diversity WG (Antonietta Capotondi) Eastern Tropical Ocean Synthesis WG (Simon de Szoeke)	Ballroom C
1700 – 1730	Inter-Panel Interaction (Bob Weller & Panel Co-chairs)	Ballroom C
1830 – 2000	Reception (appetizers and cash bar)	Crush Wine Bar

Wednesday, July 10

<u>Time</u>	<u>Agenda</u>	<u>Location</u>
0730 – 0800	Light breakfast	Atrium
0800 – 0830	Charge to the Panel Breakouts (Bob Weller)	Ballroom C
0830 – 1200	Panel Breakouts (break at 1000) Phenomena, Observations & Synthesis (POS) Process Study Model Improvement (PSMI) Predictability, Predictions & Applications Interface (PPAI)	Powerhouse Breakout Rooms
1200 – 1330	Lunch on your own	
1330 – 1730	Breakouts Resume (break at 1500)	Powerhouse Breakout Rooms
1730	Break for day; Dinner on your own	

Thursday, July 11

<u>Time</u>	<u>Agenda</u>	<u>Location</u>
0730 – 0815	Light breakfast	Atrium
0815 – 0830	DoE Funding Agency Engagement (Renu Joseph)	Ballroom C
0830 – 0930	Panel Breakout Summaries & Action Items (Panel Co-chairs, 15 min each plus 5 min Q&A)	Ballroom C
0930 – 1000	Cross-Panel Interaction (Bob Weller & Panel Co-chairs)	Ballroom C
1000 – 1030	Coffee break	Atrium
1030 – 1130	National Climate Assessment (Fred Lipschultz & Yan Xue)	Ballroom C
1130 – 1200	Conclusions and Wrap-up (Bob Weller)	Ballroom C
1200	Summit Adjourns	
1230 – 1700	U.S. CLIVAR SSC Meeting (Thursday PM & Friday AM)	Mainsail

**POS Panel Breakout
Powerhouse Breakout Rooms
Wednesday, July 10**

Time	Agenda
0830 – 0845	Welcome and introductions (Michael Bosilovich)
0845 – 0900	Summary of last year's POS activities and POS panel breakout aims (Dimitris Menemenlis)
0900 – 1000	Session 1: Observations, science, and society (Michael Bosilovich)
0900 – 0920	Building forward from OceanObs'09: Integrated Ocean Observing System (IOOS) and Framework on Ocean Observing (FOO) (Eric Lindstrom)
0920 – 0940	Status of understanding observable modes of climate variability. What's missing? (Art Miller)
0940 – 1000	Status of understanding and modeling extremes in temperature and precipitation (Matt Barlow)
1000 – 1030	Coffee break
1030 – 1200	Session 2: Joint session with PPAI on reanalysis and surface fluxes (Bruce Anderson)
1030 – 1045	Summary of November 2012 Ocean Synthesis and Air-Sea Flux Evaluation Workshop (Arun Kumar)
1045 – 1100	Summary of July CLIVAR GSOP/GODAE Ocean Reanalysis Intercomparison Workshop (Jim Carton)
1100 – 1115	Links with land surface (Alexander Gershunov)
1115 – 1130	Toward budget conserving coupled ocean-atmosphere-ice reanalyses (Dimitris Menemenlis)
1130 – 1145	Initialization of seasonal predictions (Yan Xue)
1145 – 1200	What does U.S. CLIVAR need from reanalyses and next steps for U.S. CLIVAR engagement (Michael Bosilovich)
1200 – 1330	Lunch on your own
1330 – 1600	Session 3: Role of satellite data in the climate observing system (Dimitris Menemenlis)
1330 – 1345	Polar Climate (Xiangdong Zhang)
1345 – 1400	Sea level and review of WCRP/International CLIVAR Grand Challenge white paper (Don Chambers)
1400 – 1420	Satellite observations and continuity issues (Xiao-Hai Yan)

1420 – 1440	Water cycle missions and decadal survey (Jared Entin)
1440 – 1500	DoE Integrated Water Cycle Workshop (Ruby Leung)
1500 – 1520	Coffee break
1520 – 1600	Obs4MIPS (Duane Waliser)
1600 – 1700	Session 4: Tropical variability and observations (Michael Bosilovich)
1600 – 1620	Measurements needed in Tropical and Equatorial Pacific for understanding ENSO diversity (Antonietta Capotondi)
1620 – 1640	Upper ocean processes with focus on GDP and tropical moored arrays (PIRATA, TAO, RAMA) (Rick Lumpkin)
1640 – 1700	TAO array and NCEP-GFDL project on TAO Observing System Experiments (Yan Xue)
1700 – 1730	Wrap up (Mike Bosilovich & Dimitris Menemenlis)
1730	Break for day; Dinner on your own

**PSMI Panel Breakout
Powerhouse Breakout Rooms
Wednesday, July 10**

<u>Time</u>	<u>Agenda</u>
0830 – 0845	Introductions, orientation, breakout aims (Baylor Fox-Kemper)
0845 – 0900	KESS Discussion, written
0900 – 0915	CLIMODE Discussion, written
0915 – 0930	VOCALS, written
0930 – 0945	GO Amazon, written
0945 – 1000	Discussion - Goals & Fundamental Science Questions (Baylor Fox-Kemper)
1000 – 1020	Coffee break
1020 – 1040	ASIRI/Bay of Bengal (Bob Weller)
1040 – 1100	DYNAMO (Augustin Vintzileos)
1100 – 1120	CalWater2/ACAPEX (Ruby Leung)
1120 – 1145	Stratocumulus to cumulus transition CPT (Ruiyun Sun)
1145 – 1200	Discussion

1200 – 1315	Lunch on your own
1315 – 1340	SPURS (Ray Schmitt)
1340 – 1405	DIMES (Lou St. Laurent)
1405 – 1430	LatMIX (& related, e.g., GLAD) (Tamay Ozgokmen)
1430 – 1445	OSNAP & NA Bloom2 (Baylor Fox-Kemper)
1445 – 1500	Discussion
1500 – 1520	Coffee break
1520 – 1545	Mixing CPT (Lou St. Laurent)
1545 – 1610	Ocean under Ice CPT (Meibing Jin)
1610 – 1625	SAMOC (Igor Kamenkovich)
1625 – 1640	DoE Enterprise for Earth System Modeling (Dorothy Koch & Bill Collins <i>by phone</i>)
1640 – 1730	Discussion
1730	Break for day; Dinner on your own

**PPAI Panel Breakout
Powerhouse Breakout Rooms
Wednesday, July 10**

<u>Time</u>	<u>Agenda</u>
0830 – 0845	Welcome to new members, go around
0845 – 0900	Summary of last year's PPAI activities (Arun Kumar)
0900 – 0915	Summary of this year's Agenda: "A return to basics" (Bruce Anderson & Arun Kumar)
0915 – 0930	Goals of Session 1- "State estimation and Prediction" (Bruce Anderson & Arun Kumar)
0930 – 1000	MAPP activities and Task Force Summary (Annarita Mariotti <i>by phone</i>)
1000 – 1030	Coffee break
1030 – 1200	Joint session with POS on reanalysis and surface fluxes
1030 – 1045	Summary of November 2012 Ocean Synthesis and Air-Sea Flux Evaluation Workshop (Arun Kumar)

1045 – 1100	Summary of July CLIVAR GSOP/GODAE Ocean Reanalysis Intercomparison Workshop (Jim Carton)
1100 – 1115	Links with land surface (Alexander Gershunov)
1115 – 1130	Toward budget conserving coupled ocean-atmosphere-ice reanalyses (Dimitris Menemenlis)
1130 – 1145	Initialization of seasonal predictions (Yan Xue)
1145 – 1200	What does U.S. CLIVAR need from reanalyses and next steps for U.S. CLIVAR engagement (Michael Bosilovich)
1200 – 1330	Lunch on your own
1330 – 1400	Goals of Session 2- “Communication and Decision Support” (Bruce Anderson & Arun Kumar)
1400 – 1430	Status of NMME (Jin Huang)
1430 – 1500	Role of CLIVAR Science and Decision-making (Lisa Goddard)
1500 – 1530	Coffee break
1530 – 1600	Role of CLIVAR Science and Service (Robin O’Malley)
1600 – 1700	Applications Process Teams (APTs) – Are they the right tool for improved decision support capabilities? (Gregg Garfin)
1700 – 1730	Wrap up
1730	Break for day; Dinner on your own