



Joint WMO-IOC Data Buoy Cooperation Panel (DBCP)

AGENDA (DRAFT V9)

Fourth Data Buoy Cooperation Panel (DBCP) Pacific Islands Training Workshop on Ocean Observations and Data Applications (DBCP-PI-4)

Host: U.S. Pacific Islands Ocean Observing System (PacIOOS)
 University of Hawaii (UH), at Manoa
 Honolulu, Hawaii, USA, 13-16 September 2019

Day 1: Friday 13 September 2019
Information Technology Center (ITS), Room 105 A/B, University of Hawaii at Manoa

TIME	SUBJECT	LEAD
08:00-08:15	Registration	Fiona Langeberger
08:15-08:30	Breakfast	
08:30-08:55	Opening Remarks Director of PacIOOS, Local Host Chair of DBCP Chair of DBCP Capacity Building Intergovernmental Oceanographic Commission (IOC) World Meteorological Organization (WMO) OceanObs'19	Melissa Iwamoto Boris Kelly-Gerreyn JIANG Qiu (Rachel) Champika Gallage Eric Lindstrom
08:55-09:00	Logistics Information	Fiona Langenberger (PacIOOS)
09:00-09:15	Workshop Objectives & Adoption of the Agenda	JIANG Qiu (Rachel) (DBCP) Sidney Thurston (NOAA)
Session 1: Global Observing System Chair: JIANG Qiu (Rachel); <i>Rapporteur: JIANG Fan</i>		
09:15-09:35	WMO Integrated Global Observing System (WIGOS) and WMO Information System (WIS)	Champika Gallage (WMO)



Joint WMO-IOC Data Buoy Cooperation Panel (DBCP)

09:35-09:55	Tropical Pacific Observing System for 2020 (TPOS-2020)	Sidney Thurston (NOAA)
09:55-10:15	Group Photo and Morning Break	Fiona Langenberger (PacIOOS)
10:15-10:30	Pacific Islands Ocean Observing System (PacIOOS)	Melissa Iwamoto (PacIOOS)
10:30-10:50	Development, Priorities and Gaps of PI-GOOS	Duncan McIntosh (PI-GOOS)
10:50-11:10	Integrated Marine Observing System (IMOS) of Australia	Boris Kelly-Gerreyn (BoM)
11:10-11:30	GOOS 2030 Strategy and UN Decade of Ocean Science for Sustainable Development	PANG Renbo (IOC, remote)
11:30-12:30	Lunch Break (move to HIG 210)	
Session 2: Hands on Exercises Chair: Sidney Thurston <i>Rapporteur: Simon Ellis</i>		
12:30-14:00	Sphere of Capacity 1: Needs Assessment a. Identifying user needs/issues b. Networking and partnerships	Melissa Iwamoto Fiona Langenberger Gordon Walker (PacIOOS)
14:00-14:15	Coffee Break	
14:15-15:45	Sphere of Capacity 2: Pre-deployment a. Best instrument/tool b. Logistics	Gordon Walker Chip Young (PacIOOS)
15:45-15:50	Today's Wrap Up and Overview for Tomorrow	JIANG Qiu (Rachel) (DBCP)
16:00	Adjourn Day-1 Free Rest of Night (RON)	



Joint WMO-IOC Data Buoy Cooperation Panel (DBCP)

Day 2: Saturday 14 September 2019
University of Hawaii at Manoa (HIG 210)

TIME	SUBJECT	LEAD
Session 2: Hands on Exercises Chair: Melissa Iwamoto <i>Rapporteur: Simon Ellis</i>		
8:00-8:30	Breakfast	
08:30-10:30	Sphere of Capacity 3: Field Work/Operations a. Deployment b. Operation c. Maintenance	Gordon Walker Chip Young (PacIOOS)
10:30-10:45	Morning Tea Break	
10:45-12:15	Sphere of Capacity 4: Data Telemetry, Access and Utility a. Data recovery b. Data access, storage and transfer c. Data products and visualization d. Interpretation	Joe Gilmore John Maurer Chip Young (PacIOOS)
12:15-12:30	Wrap up and introduction/logistics for site visits	Melissa Iwamoto
12:30-13:30	Lunch	
13:30-14:00	Break; drop of bags at Lincoln Hall, if desired	All participants
14:00-15:30	PacIOOS High Frequency Radar Station Site Visit (Kakaako WaterFront Park)	Pierre Flament Ian Fernandez (PacIOOS)
15:30-16:30	PacIOOS water quality near shore sensor site visit (Atlantis Dock, Waikiki)	Gordon Walker (PacIOOS)
16:30-17:00	Today's Wrap Up and Overview for Tomorrow	JIANG Qiu (Rachel) (DBCP)
17:30-18:30	Explore Waikiki on own	All Participants
18:30-20:30	PI-4 Group Dinner (Self-funded) (Buho Cocina Cantina Restaurant)	



Joint WMO-IOC Data Buoy Cooperation Panel (DBCP)

Day 3: Sunday 15 September 2019
University of Hawaii at Manoa (HIG 210)

Session 3: Best Practices of Marine Observation Chair: YAO Yong <i>Rapporteur: TBD</i>		
08:30-9:00	Breakfast	
09:00-09:20	Ocean Best Practices (OBP)	Jay Pearlman (IEEE)
09:20-09:40	The WMO-IOC Joint Technical Commission for Oceanography and Marine Meteorology in situ Observations Programme Support Centre (JCOMMOPS)	JIANG Long (JCOMMOPS)
09:40-10:00	The Recent Investigation Over Tropical Indian Ocean by FIO	LIU Lin (FIO)
10:00-10:15	Activities of Salinity Measurement Improvement	JIANG Fan (NCOSM)
10:15-10:35	Morning Tea Break	
10:35-10:55	Building Capacity for Ocean Acidification Research in the Pacific Islands	Alicia Cheripka OAP
10:55-11:15	5Ws and how of HFO/CPHC buoy data usage	Ashley D. Evans (Honolulu WFO NOAA)
11:15-11:35	Global Drifter Program's new developments	Luca Centurioni (Scripps)
11:3-11:50	WMO-IOC Centre for Marine-Meteorological and Oceanographic Climate Data (CMOC)/ China and Data Quality Control (QC)	YU Ting (Julia) (NMDIS, Remote)
11:50 - 12:50	Lunch	



Joint WMO-IOC Data Buoy Cooperation Panel (DBCP)

Session 4: Round Table Discussion <i>Rapporteur: Jennifer Lewis</i>		
12:50 - 13:50	Priorities, Needs and Gaps for the Capacity Building Workshops 1. Needs and Gaps for Capacity Building in Region 2. Future DBCP Indo-Pacific Capacity Building 3. Concept for future	Sidney Thurston JIANG Qiu (Rachel)
13:50-14:20	PI-4 Workshop Report: 1. Action Items 2. Recommendations	Champika Gallage
14:20-14:35	Workshop Concluding Remarks	Boris Kelly-Gerreyn JIANG Qiu (Rachel)
14:35-14:50	Review Transportation and Logistics for Monday's Field Trip to OceanObs'19 (Hawaii Convention Center)	Gordon Walker
14:50 – 15:00	Break and Reconfigure room for Indigenous Forum	Fiona Langenberger All participants
15:00-16:30	Preparatory Session for Indigenous Forum at OO19	Kim Juniper Melissa Iwamoto
16:30	Adjourn Day-3 Free RON	All Participants



Joint WMO-IOC Data Buoy Cooperation Panel (DBCP)

Day 4: Monday 16 September 2019

**OceanObs'19-An Ocean Of Opportunity
Day-1: Perspective, Setting the Stage
Hawaii Convention Center**

TIME	SUBJECT	LEAD
Session 4: OceanObs'19		
09:00-10:30	Opening Plenary: Conference Statement <i>High-level inspiration for ocean observations, history of the conference series and what they have accomplished, and an introduction to the legacy through the Conference Statement.</i>	Sidney Thurston (NOAA), All PI-4 Participants
10:30-11:00	Break	
11:00-12:00	Ocean Observations in Support of Global Policies and Actions	
12:00-13:30	Lunch	
13:30-15:30	Perspective Plenary: <i>Success and Opportunities for Ocean Observing</i>	
15:30-16:00	Break	
16:00-18:00	Special Indigenous Event	All attend, Indigenous trainees participate
18:00-19:30	OceanObs'19 Reception & Networking Opportunity	All PI-4 Participants



Joint WMO-IOC Data Buoy Cooperation Panel (DBCP)

Acronyms

BoM:	Bureau of Meteorology, Australia
CO-OPS:	Center for Operational Oceanographic Products and Services
FIO:	First Institute of Oceanography of MNR, China
GHRSSST:	Global High Resolution Sea Surface Temperature
IEEE:	Institute of Electrical and Electronic Engineers
IOC:	Intergovernmental Oceanographic Commission
MNR :	Ministry of Natural Resources of China
NCOSM:	National Center of Ocean Standards and Metrology of MNR
NMDIS:	National Marine Data and Information Service of MNR
NOAA:	National Oceanic and Atmospheric Administration, United States
OAP:	NOAA Ocean Acidification Program
PacIOOS:	Pacific Islands Ocean Observing System
WFO:	Weather Forecast Office
WMO:	World Meteorological Organization