

DAY 1 Nov, 15th

Tuesday

Day 1 (Nov. 15th) - At Tsukuba Center for Institutes					Blue: Onsite Presentation Black: Remote Presentation	
09:00	09:55	Opening Session			Abst. No.	(15th 0:00UTC to 00:55UTC)
						Chair : Y. Miyazawa Moderator : Y. Takaya
09:00	09:08	Takayuki Matsumura	MRI-JMA (Director-General)	JP		Greeting on behalf of JMA-MRI
09:08	09:16	Shuhei Masuda	JMASTEC (Director-General of RIGC)	JP		Greeting on behalf of JAMSTEC
09:16	09:24	Yutaka Michida	University of Tokyo	JP		Greeting on behalf of UN Ocean Decade Japanese domestic committee
09:24	09:35	Yuhei Takaya	MRI-JMA	JP		Workshop Purpose and Logistic Information
09:35	09:55	Yosuke Fujii	MRI-JMA	JP		SynObs Introduction
09:55	12:20	Session 1-1 & Session 3-1			Abst. No.	(15th 00:55UTC to 03:20UTC)
						Chair : T. Yoshida Moderator : D. Du
09:55	10:15	Caihong Wen	NOAA/NWS/NCEP/CPC	US	1.26	Invited : Real-time Ocean Reanalyses Intercomparison Project
10:15	10:40	Coffee Break				
10:40	11:00	Iwao Ueki	JAMSTEC	JP	1.24	Tropical Pacific Observing System -synergy with modeling and assimilation activities -
11:00	11:20	Takuma Yoshida	JMA	JP	3.1	Ocean Initialization of the Coupled Prediction System Version 3 (CPS3) for Seasonal Forecasts
11:20	11:40	Danni Du	University of Colorado, Boulder	US	3.3	Assessing the Impact of Ocean In-situ Observations on MJO Propagation across the Maritime Continent in ECMWF Subseasonal Forecasts
11:40	12:00	Yuhei Takaya	MRI-JMA	JP	3.8	Importance of ocean observations for sub-seasonal to seasonal forecast in East Asia
12:00	12:20	Dimitris Menemenlis	NASA JPL	US	1.17	Invited : Potential NASA GEOS Nature Runs for Next Generation Colocated Air-Sea Measurement Satellite
12:20	12:40	Flash Talk for Poster Presentation				

12:40	12:50	Onsite Photo Session				
12:50	14:00	Lunch Break				
14:00	14:50	Poster Session & Coffee Break				
14:50	16:50	Session 1-2 & Session 2-1		Abst. No.		(15th 05:50UTC to 07:50UTC)
						Chair : N. Usui Moderator : S. Ohishi
14:50	15:10	Mounir Benkiran	Mercator-Ocean International	FR	2.2	Impact of SWOT observations in a global high-resolution analysis and forecasting system
15:10	15:30	Nozomi Sugiura	JAMSTEC	JP	2.12	Ocean data assimilation based on MMD between sets of profiles
15:30	15:50	Dimitris Menemenlis	NASA JPL	US	2.8	Introduction to the Estimating the Circulation and Climate of the Ocean (ECCO) project
15:50	16:10	Toshio Suga	JAMSTEC and Tohoku University	JP	1.22	Argo "Abrupt Salty Drifters" – the problem, impacts, and lessons learned
16:10	16:30	Miki Hattori	JAMSTEC	JP	1.9	Potential Impact of Aeroclipper Observations on a Tropical Cyclone Analysis in a Global Model
16:30	16:50	Marilaure Gregoire	Liege University	BE	1.8	Invited : The WMO Rolling Review of Requirements process: Ocean perspective

Day 2 Nov, 16th Wednesday

Day 2 (Nov. 16th) Morning		At Tsukuba Center For Institutes				Blue: Onsite Presentation Black: Remote Presentation
08:50	09:50	Session 1-3			Abst. No.	(15th 23:50UTC to 16th 00:50UTC)
						Chair : L. Cucurull Moderator : S. Masuda
08:50	09:10	Matthieu Le Henaff	University of Miami/CIMAS-NOAA/AOML	US	1.14	Observing System Evaluation showcase: Impact of ocean observations on hurricane forecasts - The cases of Hurricanes Maria (2017) and Michael (2018)
09:10	09:30	Andrew Moore	University of California Santa Cruz	US	1.18	Invited : Forecast Sensitivity-based Observation Impact (FSOI) in an Analysis-Forecast System of the California Current Circulation

09:30	09:50	Lidia Cucurull	NOAA	US	1.2	Invited : Ongoing efforts at NOAA to develop a global ocean Observing System Simulation Experiment (OSSEs) capability
09:50	10:40	Discussion 1				Observing System and OSE/OSSE (16th 00:50UTC to 01:40UTC) Chair : L. Cucurull Moderator : S. Masuda
10:40	11:00	Coffee Break				
11:00	12:50	Session 1-4 & Session 2-2			Abst. No.	(16th 02:00UTC to 03:00UTC) Chair : N. Hirose Moderator : S. Masuda
11:00	11:20	Julie Jakoboski	MetOcean Solutions	NZ	1.11	Crowdsourcing Ocean Observations in Partnership with the Fishing Sector and Coastal Ocean
11:20	11:40	Joao M. A. C. de Souza	MetOcean Solutions	NZ	2.1	Assimilation of new operational fishing vessel derived observations for New Zealand
11:40	12:50	Naoki Hirose	RIAM, Kyushu University	JP	2.6	Invited : Coastal ocean data assimilation with fishing vessels
12:00	12:50	Discussion 2				Use of Fishery Data and coastal data (16th 03:00UTC to 03:50UTC) Chair : N. Hirose Moderator : S. Masuda
13:15	14:30	Official Lunch (Onsite Speakers and Foreign Guests only)				

Day 2 (Nov. 16th) Evening		17:00-18:40 At MRI Building, 20:40-22:50 Only Online				
17:00	18:40	Session 2-3 & 3-2			Abst. No.	(16th 08:00UTC to 09:40UTC) Chair : H. Zuo Moderator : J. Waters
17:00	17:20	Olivier Goux	CERFACS	FR	2.5	Accounting for correlated observation error in variational ocean data assimilation: application to wide-swath altimeter data
17:20	17:40	Hao Zuo	ECMWF	UK	2.13	Assimilation of SST observations with the new ECMWF Ensemble Ocean DA system
17:40	18:00	Siva Reddy Sanikommu	KAUST	SA	2.11	Insights from Large Ensembles Experiments with the Red Sea Ensemble Data Assimilation System

18:00	18:20	Jennifer Waters	Met Office	UK	3.9	Assessing the impact of proposed satellite observations in a global ocean forecasting system
18:20	18:40	David Ford	Met Office	UK	3.4	Two-way physics-biogeochemistry coupling constrained by ocean colour data assimilation
18:40	20:40	Dinner Break				
						Chair : S. Akella Moderator : C. Harris, K. Mogensen
20:40	21:00	Magdalena Balmaseda	ECMWF	UK	3.1	Impact of Ocean Observations in ECMWF S2S forecasts
21:00	21:20	Ronan McAdam	CMCC	IT	3.6	Seasonal forecasting of subsurface marine heat waves
21:20	22:50	Discussion 3				CP-TT Activity Plan (16th 12:20UTC to 13:50UTC)
						Chair : S. Akella Moderator : C. Harris, K. Mogensen

Day 3 Nov, 17th Thursday

Day 3 (Nov. 17th) Morning			At MRI Building			
09:10	11:50	Session 1-5 & 2-4 & 3-3			Abst. No.	(17th 00:10UTC to 02:50UTC)
						Chair : E. Hackert Moderator : S. Paturi
09:10	09:30	Annie Wong	University of Washington	US	1.27	Argo salinity: bias and uncertainty evaluation
09:30	09:50	Jieshun Zhu	CPC/NCEP/NOAA	US	1.28	Next Generation Global Ocean Data Assimilation System (NG-GODAS): a new reanalysis and OSSE applications
09:50	10:10	Patrick Heimbach	University of Texas at Austin	US	1.10	Ocean Climate Observing Network Design in the Subpolar North Atlantic via Hessian Uncertainty Quantification
10:10	10:30	Coffee Break				
10:30	10:50	Eric Hackert	NASA/GMAO	US	3.5	Evaluation of TAO Observation System on ENSO Predictions from the GMAO S2S Forecast System
10:50	11:10	Andrew Peterson	Environment and Climate Change Canada	CA	3.7	Towards creating an ensemble of global ocean analysis: Ensemble GLOPS

11:10	11:30	Inseong Chang	Pukyong national university	KR	2.3	Impact of in situ and satellite data assimilation on ocean circulation prediction system in Northwest Pacific
11:30	11:50	Paul Chamberlain	Scripps Institution of Oceanography	US	1.1	Optimizing The Biogeochemical Argo Float Distribution

Day 3 (Nov. 17th) Evening			17:00-19:00 At MRI Building, 20:40-22:50 Only Online			
17:00	19:00	Session 1-6			Abst. No.	(17th 08:00UTC to 10:00UTC)
						Chair : D. Ford Moderator : V. Turpin
17:00	17:20	Elisabeth Rémy	Mercator Ocean International	FR	1.7	On the control of spatial and temporal oceanic scales by existing and future observing systems: an OSSE approach
17:20	17:40	David Ford	Met Office	UK	1.5	Towards adaptive monitoring of coastal oceans integrating marine robots and operational forecasts
17:40	18:00	Aurélien Prat	UMR 8105 LACy et Inria	FR	1.20	Pre-processing of sea turtle biologging observations using a clustering algorithm
18:00	18:20	Stefano Ciavatta	Mercator Ocean International	FR	2.4	Monitoring and predicting marine ecosystems by fusing observations and models
18:20	18:40	Hugo Dayan	CMCC	FR	1.3	Marine heat waves in the Mediterranean Sea: an assessment from the surface to the subsurface to meet national needs
18:40	19:00	Victor Turpin	OceanOPS/WMO	FR	1.23	Leveraging the multi-system glider data assimilation experiments within EuroSea to the international level
19:00	20:40	Dinner Break				
20:40	21:20	Session 4-1			Abst. No.	(17th 11:40UTC to 12:20UTC)
						Chair : Y. Fujii Moderator : E. Remy
20:40	21:00	Yosuke Fujii	MRI-JMA	JP	1.6	Evaluation of Argo array impacts in the global and regional ocean data assimilation systems in JMA/MRI and the international collaboration through SynObs
21:00	21:20	Magdalena Balmaseda	ECMWF	UK	4.1	OSES for S2S and evaluation of future TPOS
21:20	21:25	Online Photo Session				

21:25	22:55	Discussion 4				SynObs Plan to 13:55UTC)	(17th 12:25UTC
							Chair : Y. Fujii Moderator : E. Remy

Day 4 Nov, 18th Friday

Day 4 (Nov. 18th) Morning			At MRI Building			Blue: Onsite Presentation Black: Remote Presentation	
08:50	10:50	Session 1-7 & 4-2			Abst. No.	(17th 23:50UTC to 18th 1:50UTC)	
						Chair : C. Tanajura Moderator : M. Le Henaff	
08:50	09:10	Clemente Tanajura	UFBA/ REMO	BR	4.2	Investigating the future impact of SWOT data in the South Atlantic circulation with OSSEs	
09:10	09:30	Matthieu Le Henaff	University of Miami/CIMAS-NOAA/ AOML	US	1.13	Recipe for rigorous OSSE assessments - Illustration in the Gulf of Mexico	
09:30	09:50	David Legler	NOAA	US	1.16	Strengthening ocean observation and modelling integration through co-design of a fit-for-purpose ocean observing system	
09:50	10:10	Coffee Break					
10:10	10:30	Cheyenne Stienbarger	NOAA/ GOMO Program	US	1.21	Co-Designing an Observing System for Improved Tropical Cyclone Forecasts	
10:30	10:50	Tong Lee	JPL, California Institute of Technology	US	1.15	A satellite mission concept to unravel small-scale ocean dynamics and air-sea interactions: Ocean Dynamics and Surface Exchange with the Atmosphere (ODYSEA)	
10:50	10:55	Online Photo Session					
10:55	11:50	Summarizing Session				(18th 01:55UTC to 02:50UTC)	
						Chair : Y. Takaya Moderator : N. Hirose (JMA-MRI)	
10:55	11:02	Lidia Cucurull	NOAA	US		Summary of the Theme 1: Co-design and evaluation of ocean observing systems	
11:02	11:09	Dimitris Menemenlis	NASA JPL	US		Summary of the Theme 2: Data assimilation development for better use of observation data	

11:09	11:16	Danni Du	University of Colorado, Boulder	US		Summary of the Theme 3: Ocean modeling and initialization in earth system predictions
11:16	11:23	Yosuke Fujii	MRI-JMA	JP		Summary of the Theme 4: Discussion on the future activities
11:23	11:40					General Discussion
11:40	11:50	Goro Yamanaka	MRI-JMA	JP		Concluding Remarks from the Japan Representative of OceanPredict