



1st ESA Ocean Science Cluster Collocation Meeting

29 November – 2 December 2021

Virtual

PRELIMINARY AGENDA

(v2021-10-01)

Workshop Overview

DAY 1		DAY 2		DAY 3		DAY 4	
Introduction	30'	Theme 3 Carbon <i>11 talks</i>	2h45	Theme 5 Dynamics <i>6 Talks</i>	1h30	Other ESA activities in support of Ocean Science	1h15
Theme 1 Ocean Health <i>7 talks</i>	1h45	Discussion	45'	Discussion	45'	Plenary session discussions 3* 20'	1h00
Discussion	45'	Theme 4 coastal <i>8 Talks</i>	2h	Theme 6 Earth Climate <i>5 Talks</i>	1h15	Recommendations from Thematic Discussions	1h
Theme 2 Extremes <i>7 Talks</i>	1h45	Discussion	45'	Discussion	45'	Closure	15'
Discussion	45'						
Total	5h30	Total	6h15	Total	4h15	Total	3h30

Detailed Agenda

Day 1 - Nov 29

09:00 – 10:00 Introduction

09:00 – 09:15 Introduction by ESA (Diego Fernandez/Marie-Hélène Rio)

09:15-09:30 Introduction by EC-RTD (TBD)

09:30 – 11:45 Theme 1 Ocean Health

09:30 – 09:45 Overview of relevant EC projects (TBD)

09:45 – 10:00 Open Ocean Biodiversity (TBD)

10:00 – 10:15 BiCOME - Coastal Ocean Biodiversity (Victor Martinez-Vicente, PML)

10:15 – 10:30 Ocean Health – Acidification (TBD)

10:30 – 10:45 Coffee Break

10:45 – 11:00 Sargassum Monitoring Service (Marion Sutton, CLS)

11:00 – 11:15 Black Sea Regional Initiative (EO4SIBS) (Marilaure Gregoire, U. Liege)

11:15 – 11:30 Mediterranean coastal water monitoring (MedEOS) (Helena Maria LOS, DEIMOS)

11:30 – 12:15 Open Discussions

12:15 – 13:30 Lunch Break

13:30 – 16:15 Theme 2 Ocean Extremes

13:30 – 13:45 Overview of relevant EC projects (TBD)

13:45 – 14:00 Marine Atmosphere eXtreme Satellite Synergy (MAXSS) (Bertrand Chapron, Ifremer, TBC)

14:00 – 14:15 Scaling-up Cyclone Monitoring Service with S1 (CYMS) (Romain Husson, CLS)

14:15 – 14:30 Polar lows prediction from SAR (Jakob Grahn, NORCE)

14:30 – 14:45 Coffee Break

14:45 – 15:00 Digital Twin Earth precursor -Marine Heat Waves (Fabien Lefevre, CLS)

15:00 – 15:15 Ocean Health – Marine Heat Waves (TBD)

15:15 – 15:30 Satellite Oceanographic Datasets for Acidification - SODA (Compound Extremes, Nicolas Gruber/Luke Gregor, ETHZ, TBC)

15:30 – 16:15 Open Discussions

16:15 End of Day 1

DAY 2 - Nov 30

09:00 – 12:30 Theme 3: Ocean Carbon

09:00 – 09:15 Overview of EC Related projects (TBD)

09:15 – 09:30 BICEP: Biological Pump and Carbon Exchange Processes (Shubha Sathyendranath, PML)

09:30 – 09:45 SODA: Satellite Oceanographic Datasets for Acidification (Jamie Shutler, U. of Exeter)

09:45 – 10:00 Aeolus+Innovation - COLOR (Davide Dionisi, CNR)

10:00 - 10:15 Aeolus+Innovation - AOC (Cedric Bacour/Florian Poustomis, NOVELTIS)

10:15 – 10:30 S5P+-I-OC : S5P+ Innovation Ocean Color (Astrid Bracher, AWI)

10:30 – 10:45 Coffee Break

10:45 – 11:00 SeaLaBio : BALTIC+ Sea-Land biogeochemical linkages (Sampsa Koponen, SYKE)

11:00 – 11:15 Physioglob (Marco Bellacicco, CNR, TBC)

11:15 – 11:30 ARI-EBUS-PRIMUS: Primary productivity in Upwelling Systems - (Steve Groom, PML)

11:30 – 11:45 OceanFlux GreenHouse Gases Evolution (Andy Watson, University of Exeter)

11:45 – 12:00 AMT4OceanSatFlux : Atlantic Meridional Transect Ocean Flux from satellite campaign - (Gavin Tilstone, PML)

12:00 – 12:45 Open Discussions

12:45 – 14:00 Lunch Break

14:00 – 16:30 Theme 4 Coastal

14:00 – 14:15 Overview of relevant EC projects (TBD)

14:15 – 14:30 Coastal Erosion 1 (Francois-Regis Martin-Lauzer, Argans)

14:30 – 14:45 Coastal Erosion 2 (Virginie Lafon, I-SEA TBC)

14:45 – 15:00 Sentinel Coastal Charting Worldwide (Francois-Regis Martin-Lauzer, Argans)

15:00 – 15:15 Hydrocoastal (David Cotton, SatOC)

15:15 – 15:30 Coffee Break

15:30 – 15:45 Baltic+Salinity (Rafael Catany, Argans)

15:45 – 16:00 Baltic+SEAL – Sea Level (Marcello Passaro, TUM)

16:00 – 16:15 Sea Level and Coastal Hazards (TBD)

16:15 – 17:00 Open Discussions

17:00 End of Day 2

DAY 3 - Dec 1st

09:00 – 11:30 Theme 5 Upper-Ocean Dynamics

09:00 – 09:15 Overview of relevant EC project (TBD)

09:15 – 09:30 S-1 Doppler (Fabrice Collard, ODL)

09:30 – 09:45 WOC: World Ocean Circulation (Fabrice Collard, ODL)

09:45 – 10:00 Space4SafeSea (Yann Guichoux, EODYN)

10:00 – 10:15 CIRCOL: Ocean CIRculation from ocean COLOur observations (Daniele Ciani, CNR)

10:15 – 10:30 SEASAR (Francois Soulat, CLS)

10:30 – 10:45 Coffee Break

10:45 – 11:30 Open Discussions

11:30 – 13:30 Theme 6 The Ocean in the Earth Climate System

11:30 – 11:45 Overview of relevant EC project (TBD)

11:45– 12:00 ARI–OHC : Regional Ocean Heat Content (Gilles Larnicol/Michael Ablain, Magellium)

12:00 – 12:15 ARI–DUST (Angela Benedetti, ECMWF)

12:15 – 12:30 Oceanic intrinsic Variability (OVALIE) (Alice Carret, LEGOS)

12:30 – 12:45 PYROPLANKTON (Joam Llort, BSC, TBC)

12:45 – 13:30 Open Discussions

13:30 End of Day 3

DAY 4 - Dec 2nd

09:00 – 10:15 Other ESA Activities in Support of Ocean Science and Applications

09:00 – 09:30 Ocean CCI activities (Paolo Cipollini, Jérôme Benveniste, Roberto Sabbia, ESA)

09:30 – 09:45 Ocean Virtual Lab Demo (Fabrice Collard, ODL)

09:45 – 10:00 ESA campaign activities in support of Ocean Satellite Missions (Tania Casal, ESA)

10:00 – 10:30 Future Missions (Craig Donlon, ESA)

10:30 – 11:45 Plenary Discussions (Topics TBC)

10:30 – 10:50 Plenary Discussion#1 Preparation of Sentinel Expansion

10:50 - 11:05 Coffee Break

10:50 – 11:10 Plenary Discussion#2 From Science to Applications

11:10 – 11:30 Plenary Discussion#3 Enhancing Collaboration

11:30 – 12:30 Recommendations from Thematic Discussions (10' per Theme)

12:30 – 12:45 Concluding remarks

12:45 End of Day 4