



1st ESA Ocean Science Cluster Collocation Meeting

29 November – 2 December 2021

Virtual

FINAL AGENDA

(v2021-11-17)

Workshop Overview

All times are CET

| DAY 1 NOV 29th | DAY 2 NOV 30th | DAY 3 DEC 1st | DAY 4 DEC 2nd |
|---|--|---|--|
| Connection Time: 9:00 | Connection Time: 9:00 | Connection Time: 9:00 | Connection Time: 8:30 |
| Starting Time: 9:30 | Starting Time: 9:30 | Starting Time: 9:30 | Starting Time: 9:00 |
| Introduction 30' | Theme 3 Coastal Ocean 7 talks 1h45 Discussion 45' | Theme 5 Upper ocean Dynamics 5 Talks 1h15 Discussion 30' | Other ESA activities in support of Ocean Science 1h15 |
| Theme 1 Ocean Health 6 talks 1h30 Discussion 45' | | Theme 6 Ocean in the Earth Climate System 3 Talks 45' Discussion 30' | Presentation of relevant EC projects 1h30 |
| | | | Recommendations from Thematic Discussions 30' |
| | | | Final Discussion 30' |
| Lunch 12:30 – 13:30 | Lunch 12:15 – 13:15 | End of Day 3 12:45 | End of Day 4 13:00 |
| Theme 2 Ocean Extremes 6 Talks 1h30 Discussion 45' | Theme 4 Ocean Carbon 9 Talks 2h15 Discussion 45' | | |
| End of Day 1 16:00 | End of Day 2 16:30 | | |

Day 1 – 29th November 2021

(All times are CET)

09:30 – 10:00 Introduction

09:30 - 09:45 Introduction by ESA – [presentation MHR](#) - [presentation DF](#) (Diego Fernandez/Marie-Hélène Rio)

09:45 – 10:00 Introduction by EC-RTD - [presentation](#) (Ivan Conesa-Alcolea, EC)

10:00 – 12:30 Theme 1 Ocean Health (Chair: V. Martinez-Vicente, M. Gregoire)

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

10:15 - 10:30 [OceanSODA](#)+ Ocean Health – Acidification: Overview and Approaches – [presentation](#) (Jamie Shutler, University of Exeter)

10:30 - 10:45 Phytoplankton and fisheries under regional warming in the global oceans – POSEIDON – [presentation](#) (John Anthony Gittings, NKUA)

10:45 - 11:00 Coffee Break

11:00 - 11:15 Sargassum Monitoring Service – [presentation](#) (Marion Sutton, CLS)

11:15 - 11:30 Satellite Observations for inland and coastal water quality during COVID lock-down - SOON – [presentation](#) (Federico Falcini, CNR)

11:30 - 11:45 [Mediterranean coastal water monitoring \(MedEOS\)](#) - [presentation](#) (Helena Maria LOS, DEIMOS)

11:45 - 12:30 Open Discussions: Ocean Health – Challenges and Opportunities

12:30 – 13:30 Lunch Break

13:30 - 16:00 Theme 2 Ocean Extremes (Chair: B. Chapron, N. Gruber, R. Santoleri)

13:30 - 13:45 [Marine Atmosphere eXtreme Satellite Synergy - MAXSS](#) (Nicolas Reul, Ifremer)

13:45 - 14:00 [Scaling-up Cyclone Monitoring Service with S1 - CYMS](#) - [presentation](#) (Romain Husson, CLS)

14:00 - 14:15 Polar lows prediction from SAR – [presentation](#) (Jakob Grahn, NORCE)

14:15 - 14:30 Coffee Break

14:30 - 14:45 [OceanSODA](#) + Ocean Health – Acidification : Compound and Extreme events – [presentation](#) (Nicolas Gruber, ETHZ)

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

15:00 - 15:15 Ocean Health – Marine Heat Waves - CAREHeat – [presentation](#) (Rosalía Santoleri, CNR)

15:15 - 16:00 Open Discussions: Ocean Extremes – Challenges and Opportunities

16:00 End of Day 1

DAY 2 – 30th November 2021

(All times are CET)

09:30 – 12:15 Theme 3 Coastal Ocean (Chair: V. Lafon, M. Passaro)

09:30 - 09:45 [Coastal Erosion 1](#) - [presentation](#) (Virginie Lafon, I-SEA)

09:45 - 10:00 [Coastal Erosion 2](#) - [presentation](#) (Martin Jones, Argans)

10:00 - 10:15 [Sentinel Coastal Charting Worldwide](#) - [presentation](#) (Jean Laporte, Argans)

10:15 - 10:30 [Hydrocoastal](#) – [presentation](#) (David Cotton, SatOC)

10:30 - 10:45 Coffee Break

10:45 - 11:00 [Baltic+Salinity](#) - [presentation](#) (Rafael Catany, Argans / Verónica González, CSIC)

11:00 - 11:15 [Baltic+SEAL – Sea Level](#) - [presentation](#) (Marcello Passaro, TUM)

11:15 - 11:30 [Black Sea Regional Initiative - EO4SIBS](#) - [presentation](#) (Marilaure Gregoire, U. Liege)

11:30 - 12:15 Open Discussions: Coastal Ocean – Challenges and Opportunities

12:15 - 13:15 Lunch Break

13:15 - 16:30 Theme 4: Ocean Carbon (Chair: S. Sathyendranath, J. Shutler, A. Watson)

13:15 - 13:30 [BICEP: Biological Pump and Carbon Exchange Processes](#) – [presentation](#) (Shubha Sathyendranath, PML)

13:30 - 13:45 [OceanSODA+ Ocean Health - Acidification: Contribution to Ocean carbon cycle](#) – [presentation](#) (Jamie Shutler, U. of Exeter)

13:45 – 14:00 [S5P+-I-OC : S5P+ Innovation Ocean Color](#) - [presentation](#) (Astrid Bracher, AWI)

14:00 - 14:15 [Aeolus+Innovation - AOC](#) - [presentation](#) (Cedric Jamet, ULCO)

14:15 - 14:30 [Aeolus+Innovation - COLOR](#) (Davide Dionisi, CNR)

14:30 - 14:45 [Physioglob](#) – [presentation](#) (Marco Bellacicco, CNR)

14:45 - 15:00 Coffee Break

15:00 - 15:15 [SeaLaBio : BALTIC+ Sea-Land biogeochemical linkages](#) - [presentation](#) (Petra Philipson, BG)

15:15 - 15:30 ARI-EBUS-PRIMUS: Primary productivity in Upwelling Systems – [presentation](#) (Steve Groom, PML)

15:30 - 15:45 [OceanFlux GreenHouse Gases Evolution](#) - [presentation](#) (Jamie Shutler, U. of Exeter)

15:45 - 16:30 Open Discussions: Ocean Carbon – Challenges and Opportunities

16:30 End of Day 2

DAY 3 – 1st December 2021

(All times are CET)

09:30 - 11:15 Theme 5 Upper-Ocean Dynamics (Chair: F. Collard, D. Ciani)

09:30 - 09:45 Sentinel-1 Radial Velocities (RVL) Assessment - [presentation](#) (H. Johnsen, NORCE)

09:45 - 10:00 [WOC: World Ocean Circulation](#) (Fabrice Collard, ODL)

10:00 - 10:15 [Space4SafeSea](#) – [presentation](#) (Yann Guichoux, EODYN)

10:15 - 10:30 [CIRCOL: Ocean CIRculation from ocean COLOUR observations](#) - [presentation](#) (Daniele Ciani, CNR)

10:30 - 10:45 S-6 JTEX – [presentation](#) (Thomas Moreau, CLS)

10:45 - 11:15 Open Discussions: Upper-Ocean Dynamics – Challenges and Opportunities

11:15 - 11:30 Coffee Break

11:30 - 12:45 Theme 6 The Ocean in the Earth Climate System (Chair: M. Ablain, TBD)

11:30 - 11:45 [ARI-OHC : Regional Ocean Heat Content](#) - [presentation](#) (Michael Ablain, Magellium)

11:45 - 12:00 ARI-DUST – [presentation](#) (Angela Benedetti, ECMWF)

12:00 - 12:15 PYROPLANKTON – [presentation](#) (Joan Llord, BSC)

12:15 - 12:45 Open Discussions: The Ocean in the Earth Climate System – Challenges and Opportunities

12:45 End of Day 3

DAY 4 – 2nd December 2021

(All times are CET)

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

09:00 - 09:15 Ocean CCI activities – [presentation](#) (Paolo Cipollini, Jérôme Benveniste, Roberto Sabia, ESA)

09:15 - 09:30 Ocean Virtual Lab Demo - [presentation](#) (Lucile Gaultier, ODL)

09:30 - 09:55 ESA campaign activities in support of Ocean Satellite Missions (Tania Casal, ESA) including presentation of the [AMT4OceanSatFlux: Atlantic Meridional Transect Ocean Flux from satellite campaign](#) - [presentation](#) (Thomas Bell, PML, TBC)

09:55 - 10:15 Future Missions - [presentation](#) (Craig Donlon, ESA)

10:15 - 10:30 Coffee Break

10:30 - 12:00 Presentation of relevant EC projects

10:30 - 10:45 [Mission Atlantic](#) - [presentation](#) (Patrizio Mariani, DTU)

10:45 - 11:00 [EUROSEA](#) - [presentation](#) (Sabrina Speich, LMD)

11:00 - 11:15 [Rest-Coast](#) - [presentation](#) (Iván Cáceres, UPC)

11:15 - 11:30 [COMFORT](#) - [presentation](#) (Christoph Heinze, UIB)

11:30 - 11:45 [CRESCENDO](#) (Tatiana Ilyina, MPG)

11:45 - 12:00 Overview of CMEMS R&D projects - [presentation](#) (Pierre-Yves LeTraon, Mercator-Ocean)

12:00 - 13:00 Final Summary and Discussions

12:00 - 12:30 Recommendations from Thematic Discussions (5' per Theme)

[Theme 1 – Ocean Health](#)

Theme 2 – Ocean Extremes

[Theme 3 – Coastal Ocean](#)

[Theme 4 – Ocean Carbon](#)

[Theme 5 – Upper Ocean Dynamics](#)

[Theme 6 – Ocean in the Earth Climate System](#)

12:30 - 13:00 Final Discussions: Next steps, working together, capitalising on results, maximising impact, boosting the ocean-related EC-ESA Flagship initiatives

13:00 End of Day 4