



# **1<sup>st</sup> 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 30 <sup>th</sup>	DAY 3 DEC 1 <sup>st</sup>	DAY 4 DEC 2 <sup>nd</sup>
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'	<b>Theme 3 Coastal Ocean</b>  7 talks 1h45  Discussion 45'	<b>Theme 5 Upper ocean Dynamics</b>  5 Talks 1h15  Discussion 30'	<b>Other ESA activities in support of Ocean Science</b> 1h15  <b>Presentation of relevant EC projects</b> 1h30
<b>Theme 1 Ocean Health</b>  6 talks 1h30  Discussion 45'		<b>Theme 6 Ocean in the Earth Climate System</b>  3 Talks 45'  Discussion 30'	<b>Recommendations from Thematic Discussions</b> 30'  <b>Final Discussion</b> 30'
<b>Lunch 12:30 – 13:30</b>		<b>Lunch 12:15 – 13:15</b>	<b>End of Day 3 12:45</b>
<b>Theme 2 Ocean Extremes</b>  6 Talks 1h30  Discussion 45'	<b>Theme 4 Ocean Carbon</b>  9 Talks 2h15  Discussion 45'		
<b>End of Day 1 16:00</b>	<b>End of Day 2 16:30</b>		

## Day 1 – 29<sup>th</sup> November 2021

*(All times are CET)*

### **09:30 – 10:00 Introduction**

09:30 - 09:45 Introduction by ESA (Diego Fernandez/Marie-Hélène Rio)

09:45 – 10:00 Introduction by EC-RTD (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 (Victor Martinez-Vicente, PML)

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

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

### **10:45 - 11:00 Coffee Break**

11:00 - 11:15 Sargassum Monitoring Service (Marion Sutton, CLS)

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

11:30 - 11:45 [Mediterranean coastal water monitoring \(MedEOS\)](#) (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](#) (Romain Husson, CLS)

14:00 - 14:15 Polar lows prediction from SAR (Jakob Grahn, NORCE)

### **14:15 - 14:30 Coffee Break**

14:30 - 14:45 [OceanSODA](#) + Ocean Health – Acidification : Compound and Extreme events (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 (Rosalia Santoleri, CNR)

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

**16:00 End of Day 1**

## DAY 2 – 30<sup>th</sup> 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](#) (Virginie Lafon, I-SEA)

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

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

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

### **10:30 - 10:45 Coffee Break**

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

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

11:15 - 11:30 [Black Sea Regional Initiative - EO4SIBS](#) (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](#) (Shubha Sathyendranath, PML)

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

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

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

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

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

### **14:45 - 15:00 Coffee Break**

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

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

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

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

**16:30 End of Day 2**

## DAY 3 – 1<sup>st</sup> 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 (H. Johnsen, NORCE)

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

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

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

10:30 - 10:45 S-6 JTEX (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](#) (Michael Ablain, Magellium)

11:45 - 12:00 ARI-DUST (Angela Benedetti, ECMWF)

12:00 - 12:15 PYROPLANKTON (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 – 2<sup>nd</sup> 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 (Paolo Cipollini, Jérôme Benveniste, Roberto Sabia, ESA)

09:15 - 09:30 Ocean Virtual Lab Demo (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](#) (Thomas Bell, PML, TBC)

09:55 - 10:15 Future Missions (Craig Donlon, ESA)

### **10:15 - 10:30 Coffee Break**

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

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

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

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

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

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

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

### **12:00 - 13:00 Final Summary and Discussions**

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

**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**