

# Earth System Science Initiative Workshop

## Ocean Science Cluster Topic Program

### Overview

Wednesday		Thursday		Friday	
8:30-10:00	Registration and Welcome coffee	08:30-9:00	Plenary: Breakfast Keynote	9:00-10:00	Session 6: Ocean Health - Pollution
10:00-11:00	Plenary: Welcome session	9:00-11:00	Session 2: Ocean Health - Biodiversity	10:00-11:00	Ocean Wrap-up
11:00-11:30	Coffee Break	11:00-11:30	Coffee Break	11:00-11:30	Coffee Break
11:30-13:20	Plenary: Frontiers of Science and Opportunities	11:30-13:20	Session 3: Ocean Health - Multi stressors	11:30-13:00	Plenary: Summary, Wrap-ups and Next steps
13:20-14:20	Lunch Break	13:20-14:20	Lunch Break		
14:20-15:35	Ocean Introduction	14:20-16:00	Session 4: Coastal Ocean and land-sea interactions		
15:35-16:00	Session 1: Upper Ocean Dynamics				
16:00-16:20	Coffee Break	16:00-16:20	Coffee Break		
16:20-18:05	Session 1: Upper Ocean Dynamics Cont.	16:20-17:50	Session 5: Ocean Carbon		
18:00-19:00	Posters and networking cocktail	18:00-19:00	Posters and networking cocktail		

## Detailed Program

### Wednesday 22<sup>nd</sup> November

#### **Ocean Cluster Introduction Session** **1h15**

##### **Chair: M-H Rio (ESA)**

ESA Welcome and Introduction (M-H Rio, ESRIN-ESA) 15'

EC Welcome and Introduction (I. Conesa-Alcolea, EC-RTD) 15'

Overview of CMEMS R&D projects (S. Guinehut, Mercator-Ocean) 15'

Ocean CCI activities (S. Connors, ECSAT-ESA) 15'

Future Ocean missions (C. Donlon, ESTEC-ESA) 15'

#### **Session 1: Upper Ocean Dynamics** **2h10**

##### **Chairs: Florian Le Guillou (ESA) and Daniele Ciani (CNR)**

World Ocean Circulation, Fabrice Collard, ODL 15'

Upper ocean currents from satellite sensor synergy, Florian Le Guilloux, RF ESA 15'

##### **Coffee break**

Space4SafeSea, Le Goff Clement, eOdyn 15'

CleanArctic, Fabien Lefevre, CLS 15'

4DMED, Bruno Buongiorno-Nardelli, CNR 15'

SARWAVE, Garcia-Mondejar, Albert, Isardsat and B. Chapron, Ifremer 15'

4DATLANTIC-OHC, Robin Fraudeau, Magellium 15'

Discussion 25'

### Thursday 23<sup>rd</sup> November

#### **Session 2: Ocean Health – Biodiversity** **2hours**

##### **Chairs: Vincent Rossi (MIO) and Shubha Sathyendranath (PML, TBC)**

ESA-BiCOME + Hyper-BOOST, Victor Martinez Vicente, PML 15'

ESA-BOOMS, Victor Martinez Vicente, PML 15'

EC-MARBEFES, Asia Przedzrymirska, IOPAN 15'

EC-BIOcean5D, Colomban de Vargas, SB-Roscoff 15'

EC-OBAMA-NEXT, Dimitri van der Zande, Royal Belgian Institute of Natural Sciences	15'
EC-MARCO-BOLO, Pedro Junger, Ecole Normale Superieur	15'
Discussion	30'
<b>Session 3: Ocean Health - Multi stressor Impact on Ocean Health</b>	<b>1h40</b>
<b>Chairs: John Gittings (University of Athen) and Nathalie Verbrugge (CLS)</b>	
CAREHEat, Rosalia Santoleri, CNR	15'
POSEIDON, RF, John Gittings, University of Athens	15'
MAXSS, Bertrand Chapron, Ifremer	15'
MITHO, Angela Landolfi, CNR	15'
EC-GES4SEAS, Ángel Borja, AZTI	15'
Discussion	25'
<b>Session 4: Coastal Ocean and land-sea interaction</b>	<b>1h40</b>
<b>Chairs: Joan Llorc (BSC) and Jerome Benveniste (ESRIN-ESA)</b>	
Hydrocoastal, David Cotton, SatOC	15'
EOatSEE, Pedro Ribeiro, DEIMOS	15'
SOON, Federico Falcini, CNR	15'
DOMOS, Stephanie Fiedler, ECMWF	15'
Pyroplankton, Joan Llorc, BSC	15'
Discussion	25'
<b>Session 5: Ocean Carbon</b>	<b>1h30</b>
<b>Chairs: Gemma Kulk (PML) and Roberto Sabia (ESRIN-ESA)</b>	
ESA-BICEP, Shubha Sathyendranath, PML	15'
ESA-Ocean Acidification, Roberto Sabbia, ESA	15'
ESA-PRIMUS, Steve Groom, PML	15'
ESA-SCOPE, Gemma Kulk, PML	15'
Discussion	30'

## Friday 24th November

### Session 6: Ocean Health – Water Quality

1h

#### Chair: Vittorio Brando (CNR)

MedEOS, Pedro Ribeiro, DEIMOS

15'

FC-WQ Ralf Quast, Brockman Consult

15'

SDG-Eutrophication, Alessandro Marin, CGI

15'

Discussion

15'