

1. Timeline of the workshop

COPERNICUS MARINE SERVICE

ONLINE TRAINING WORKSHOP

For the Black Sea Region

TIMELINE

ROUND 1 19th May

Webinars Session

10:00 am ETT

General presentations of the Copernicus Marine Service

11:30 am ETT

Copernicus Marine Service products for the Black Sea

Provision of links to access the hands-on exercises

ROUND 2 19th May -> 2nd June

Practical Homework

Jupyter Notebooks

Exclusive hands-on exercises in Python

Videos

Tutorial material

Chat Platform

Meet the experts

Provision of links to access the debriefing sessions

ROUND 3 2nd-3th-4th June

Debriefing Session

2nd June

General presentation
In situ products

3th June

Wave model products
Remote sensing products

4th June

Bio Model products
Phy model products

2. Agenda

ROUND 1 – WEBINARS SESSION

LIVE SESSION – Webinars - Tuesday, 19th May 2020

Webinar 1 – Copernicus Marine Service & Users testimonies – Moderation by Paola Agostini and Fabrice Messal

Time (ETT)	Duration	Topics	Speaker
10h00	70'	Copernicus Marine Service – General Presentation (15')	Fabrice Messal
		Copernicus Marine Service - Service Desk (15')	Cédric Giordan
		3 Downstream users testimonies (30')	Razvan Mateescu & Elisaveta Peneva
		Q&A (10')	All

Webinar 2 – Copernicus Marine Service Regional Products – Moderation by Paola Agostini and Fabrice Messal

Time (ETT)	Duration	Presentation	Speaker
11h30	85'	Physical model products + Q&A (15')	Stefania Ciliberti
		Wave model products + Q&A (15')	Joanna Staneva
		Remote sensing observation products +Q&A (25')	Vinca Rosmorduc & Vittorio Brando
		In Situ Observation products + Q&A (15')	Veselka Marinova
		Bio Model products +Q&A (15')	Luc Vandenbulcke

The experts



Elisaveta Peneva

is a teacher in the Sofia University. Her main fields of expertise are Physical Oceanography,

Physics of climate and Numerical modelling of atmosphere and ocean processes.



Vinca Rosmorduc

holds a 23-year experience in altimetry outreach, user services, data distribution and user

training. She works at Collecte Localisation Satellites –CLS, France



Veselka Marinova

is a Head of “Ocean technologies” Department in the Institute of Oceanology –

Bulgarian Academy of Sciences (IO-BAS). Her field experience is operational oceanography with a focus on data management.



Razvan Mateescu

is Senior Researcher in NIMRD’s Oceanography, Marine and Coastal Engineering

Department. His experience includes applied hydrodynamics in the area of coastal processes modelling, and understanding of interactions within biota and ecological aspects.



Luc Vandenbulcke

works at the MAST lab of the University of Liege (Belgium). He works both with hydrodynamic and

biogeochemical models, and runs operational models.



Stefania Ciliberti

works at CMCC, at Ocean Predictions and Applications division, where she leads the Research and

Innovations in Forecasting research line. Her focus is on ocean modelling for operational forecasting and research to operations activities.



Vittorio Brando

is a senior researcher at the National Research Council of Italy, Institute of Marine Sciences (CNR-

ISMAR). His field of experience is earth observation, optical oceanography and coastal waters.



Joanna Staneva

is head of the Department of Hydrodynamics and Data Assimilation in the Institute for

Coastal Research, HZG, Germany. Her field of experience is circulation and wave modelling, coupled model systems, drifter modelling, coastal and regional oceanography.



Cédric Giordan

leads the Service Desk at Mercator Ocean International. Before, he was ocean & weather forecaster in the French Navy.

ROUND 2 – Practical Homework

HANDS-ON SESSIONS – From the 19th of May to the 4th of June

To optimize your experience and be able to run the sessions by your own, you need your Copernicus Marine Service credentials. If you are not yet registered then go to [registration page](#).

Registered people will access to:

- Online tutorial videos to introduce important concepts (NetCDF format, Jupyter Notebook environment...) to be able to understand and do the hands-on sessions
- Practical session (Jupyter Notebook) created by a Copernicus Marine Service expert.
- Dedicated tutorial videos presented by the Jupyter Notebook authors to demonstrate how to run the corresponding Jupyter Notebooks.
- A chat/forum platform to collect questions/ blocking points and discuss with experts (following their availability).

List of the online sessions available for the Black Sea Region :

Format	Topic
Jupyter Notebook + Tutorial Video	Practical session on physical model products
Jupyter Notebook + Tutorial Video	Practical session on wave model products
Jupyter Notebook + Tutorial Video	Practical session on remote sensing observation products
Jupyter Notebook + Tutorial Video	Practical session on in-situ observation products
Jupyter Notebook + Tutorial Video	Practical session on biogeochemical products

ROUND 3 – Debriefing sessions

These live sessions are designed to allow products experts and trainers to:

- Answer to the frequently asked questions from the forum platform;
- Demonstrate how to solve problems due to blocking points,
- Exchange directly with participants.

LIVE SESSION A – Online Meeting - Tuesday, 2nd June 2020

Online meeting A.1 & A.2 - Moderation by P.Agostini

Time (ETT)	Duration	Presentation	Speaker
10h00	45'	A1. Website : Registration, extraction, visualization...	Cédric Giordan
11h30	45'	A2. Practical session on In Situ Observation products	Paz Rotllan Garcia & Veselka Marinova

LIVE SESSION B – Online Meeting - Wednesday, 3rd June 2020

Online meeting B.1 & B.2 - Moderation by P.Agostini

Time (ETT)	Duration	Presentation	Speaker
10h00	45'	B1. Practical session on wave model products	Joanna Staneva, Marcel Ricker, Arno Behrens
11h30	45'	B2. Practical session on remote sensing observation products	Vinca Rosmorduc & Vittorio Brando

LIVE SESSION C – Online Meeting - Thursday, 4th June 2020

Online meeting C.1 & C.2 - Moderation by P.Agostini

Time (ETT)	Duration	Presentation	Speaker
10h00	45'	C1. Practical session on Physical Model products	Laura Stefanizzi, Stefania Ciliberti, Francesco Palermo, Leonardo Lima, Elisaveta Peneva
11h30	45'	C2. Practical session on Bio Model products	Luc Vandembulcke, Francesco Palermo