

MONGOOS: 10 Years of Operational Oceanography in the Mediterranean Sea – Towards a Full Ocean Data Integration

A virtual and free workshop to integrate science-based knowledge and
to promote solution-oriented research in the Mediterranean Sea

DAY 1 – Tuesday, 26th October 2021

SESSION 1.- Sustained and Integrated Ocean Observations in the Mediterranean Sea.

Convener - Emma Reyes (Balearic Islands Coastal Ocean Observing and Forecasting System, SOCIB)

START	END	TITLES	SPEAKERS
09.00	09.15	Welcome and Introduction	Organizing Committee
09.15	09.30	Coastal Sea Level Monitoring in the Mediterranean and the Black Sea.	Pérez-Gómez B. (Puertos del Estado)
09.30	09.45	Coastal HF radars in the Mediterranean: status of operations and multidisciplinary science-based applications.	Lorente, P. (Puertos del Estado & NOLOGIN Consulting SL), Reyes, E. (SOCIB)
09.45	10.00	MedArgo fleet and quality control activities	Gallo A. (OGS)
10.00	10.15	A synopsis of the scope and related research of the first deep-sea mooring station (DeepLev, since 2016) in the eastern Levantine basin	Katz T. (Israel Oceanographic and Limnological Research)
10.15	10.30	Glider data along the Thracian Sea continental shelf and the North Aegean Trough – Focusing on the Deep Chlorophyll Maximum patterns	Sylaios G. (DUTH)
10.30	10.45	Towards a 4-D vision of the Mediterranean Sea: the missing node of a sustained ship-based repeat hydrography program	Schroeder K. (CNR ISMAR)
10.45	11.00	C-SWOT 2023 a high-resolution field experiment in the framework of SWOT	Garreau P. (IFREMER)
11.00	11.30	BREAK	
Convener – Ivica Vilibić (Institut Ruđer Bošković, IRD)			
11.30	11.45	How physical properties can unveil the biological processes in the water column: a multiplatform study of the extreme bloom of <i>Rhizostoma pulmo</i> jellyfish in the Gulf of Trieste, April 2021 case study	Reyes-Suarez. C (OGS)
11.45	12.00	Integrated observations of oceanic CO ₂ in the North-Western Mediterranean Sea: a synthesis of the last ten years and perspectives	Coppola L. (LOV)
12.00	12.15	Oxygen dynamics in the southern Adriatic Pit between 2014 and 2020	Martellucci R. (OGS)
12.15	12.30	The Project MACMAP: an inter-disciplinary contribution to the study of the present changing climate	Guarnieri A. (INGV)
12.30	12.45	Strong long-lived anticyclonic mesoscale eddies in the Balearic Sea: formation, intensification, thermal impact and cross-shelf exchanges	Aguiar E. (SOCIB)
12.45	13.00	Venice is always Venice: how to face storm surges	Morucci S. (ISPRA)
13.00	13.30	Key session takeaways	Organizing Committee

DAY 2– Wednesday, 27th October 2021
SESSION 2.- Mediterranean regional and coastal modelling systems.

Convener – Pablo Lorente (NOLOGIN/Puertos del Estado, PdE)








START	END	TITLES	SPEAKERS
09.00	09.15	Welcome and Introduction	Organizing Committee
09.15	09.30	High-resolution reanalysis of the Mediterranean Sea biogeochemistry (1999–2019)	Salon S. (OGS)
09.30	09.45	Emerging properties from a model of the Mediterranean sea biogeochemistry assimilating satellite and BGC-Argo data	Teruzzi A. (OGS)
09.45	10.00	HF Radar Observing System Simulation Experiment in the Ibiza Channel	Hernández-Lasheras J. (SOCIB)
10.00	10.15	Sea storm event analysis: evaluation of multiannual wave parameters retrieved from HF radar and wave model	Biancardi A. A. (Parthenope University of Naples)
10.15	10.30	The Adriatic Sea and Coast (AdriSC) modelling suite: climate and extreme events applications	Vilibić I. (IRB)
10.30	10.45	Stochastic forecast of extreme sea-levels and coastal hazards: an application to meteo-tsunami events in the Adriatic Sea	Denamiel C. (IRB)
10.45	11.00	Explicit modelling of convection plumes applied to a Western Mediterranean Event	Garreau P. (IFREMER)
11.00	11.30	BREAK	
11.30	11.45	High-resolution 3D forecasting system for Barcelona's local coastal waters.	Liste M. (UPC-LIM-Barcelona Tech)
11.45	12.00	Experimental oil spill simulations in the Thracian Sea forced by real time met-ocean forecasts	Keramea P. (DUTH)

SESSION 3.- Science-based downstream services and user-uptake in the Mediterranean Sea.

Convener - Emma Reyes (Balearic Islands Coastal Ocean Observing and Forecasting System, SOCIB)

12.00	12.15	MONGOOS response to the Syrian oil pollution crisis in 2021	Zodiatis G. (ORION)
12.15	12.30	Assessment and comparison of water exchanges in several Mediterranean ports.	Samper Y. (LIM/UPC)
12.30	12.45	The data we have and the information we still need... lessons from SHAREMED consultation	Lipizer M. (OGS)
12.45	13.30	Key session takeaways & Closure	Organizing Committee

Online Workshop Etiquette:

-  • **Join us: ZOOM link will be sent ahead of time**
-  • **Speakers: 12 min for presentations + 3 min for Q&A**
-  • **Turn off video (participants) | Turn on video (speakers)**
-  • **Use the chat: to ask questions or to express interest to talk (Q&A)**
-  • **Sessions will be recorded**
-  • **Please, mute your mic**
-  • **The use of a headset is recommended**