



## 8<sup>th</sup> MONGOOS ANNUAL MEETING

&

# WORKSHOP “MODELLING AND OBSERVATIONS IN THE COASTAL MEDITERRANEAN SEA: PHYSICAL AND BIOGEOCHEMICAL PROCESSES”

3-5 December 2019

Camera di Commercio, Industria, Artigianato e Agricoltura Venezia Giulia  
Piazza della Borsa 14 - Trieste (Italy)

### Tuesday 3<sup>rd</sup> December

14.00-14.15 **Welcome speech from the Local Organizers**

#### Session 1 – Science base operational oceanography

14.15-15.45 **Presentations**

14.15-14.30 Krestenitis et al., **Monitoring the marine environment of Thermaikos Gulf (North Aegean Sea)**

14.30-14.45 Reyes-Suarez et al., **Sea Surface Circulation Structures in the Malta-Sicily Channel from Remote sensing Data**

14.45-15.00 Reyes et al., **HF-Radar in the Western Mediterranean Sea**

15.00-15.15 Garreau et al., **Recent advances on increased resolution observations in the North Western Mediterranean Sea**

15.15-15.30 Notarstefano et al., **Extension of Argo in shallow coastal areas of the Mediterranean and Black Seas: the Euro-Argo RISE project**

15.30-15.45 Bourrin et al., **Study of coastal sediments with gliders**

15.45-16.00 Pirro et al., **On the formation mechanism of eddies in the Levantine: a preliminary analysis**

16.00-16.30 **Coffee-break**

16.30-18.00 **Presentations**

16.30-16.45 Morales-Márquez et al. **Wind and wave effects on surface currents in the Western Mediterranean**

16.45-17.00 Pedrera-Balsells et al., **Hydrodynamics wind response in a small, shallow and subtidal environment**

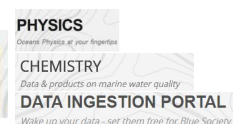
17.00-17.15 Pérez-Gómez et al., **Tide Gauge Network in the Mediterranean Sea**

17.15-17.30 Flecha et al., **Monitoring pH trends in the Mediterranean Sea**

17.30-17.45 Hernández-Carrasco et al., **Impact of Lagrangian properties of the marine flow on the distribution and composition of phytoplankton**

17.45-18.00 Bianchi, E. & Malfatti, F. **From bacterial diversity to functional genes for predicting biogeochemical processes in coastal seas**

WORKSHOP





## Wednesday 4<sup>th</sup> December

### Session 2 – Modelling and applications

9.00-10.30

#### **Presentations**

- 9.00-9.15 Kokos et al., *Hydrodynamical and biophysical monitoring and modelling efforts in North Aegean Sea*
- 9.15-9.30 Querin et al., *Multi-platform, high-resolution study in a complex coastal system: The TOSCA experiment in the Gulf of Trieste*
- 9.30-9.45 Martelluci et al., *Integrated analysis of oxygen vertical distribution in the south Adriatic Sea using glider data and model products*
- 9.45-10.00 Garreau et al., *High resolution modelling of Ligurian Sea and Corsica Trough : hydrodynamical questions and sediment dynamics*
- 10.00-10.15 Vilibic et al. *Evaluation of the Adriatic Sea and Coast (AdriSC) modelling system*
- 10.15-10.30 Moruzzi et al., *ISPRA sea level observing system: upgrade, application and future perspectives*

10.30-11.00

#### **Coffee-break**

11.00-12.30

#### **Presentations**

- 11.00-11.15 Napolitano et al., *High-resolution forecast models of the circulation and sea state for the Mediterranean Sea*
- 11.15-11.30 Zodiatis et al., *The new CYCOFOS forecasting systems at sub-regional and regional scales*
- 11.30-11.45 Perez Rubio et al., *Operational Oceanography at the service of the ports: numerical modelling and in-situ measurements*
- 11.45-12.00 Spanoudaki et al., *A coastal forecasting system for the Island of Crete*
- 12.00-12.15 Licer et al., *Lagrangian Trajectory Modelling for a Person lost at Sea during Adriatic Scirocco Storm of 29th October 2018*
- 12.15-12.30 Bensoussan et al., *T-MEDNet climate change coastal observation network: tracking and assessing changes in thermal regimes and their effects in Mediterranean coastal ecosystems*

12.30-13.00

Discussion

WORKSHOP



**Wednesday 4<sup>th</sup> December**

**Session 3 – Products and applications**

14.00-15.30

**Presentations**

- 14.00-14.15 Buongiorno-Nardelli et al., **CMEMS satellite products over the Mediterranean Sea: status and plans**
- 14.15-14.30 Salon et al., **Novel validation metrics based on BGC-Argo data to improve the model uncertainty evaluation and product quality assessment of the CMEMS Mediterranean marine ecosystem forecasts**
- 14.30-14.45 Clementi et al., **The CMEMS Mediterranean analysis and forecasting physical system last upgrades: description and skill assessment**
- 14.45-15.00 Marcelli et al. **Innovative cost-effective technologies for coastal ocean observing systems**
- 15.00-15.15 Abdellaoui et al. **Oceanography Monitoring and Modelling activities along the Mediterranean Moroccan Sea**
- 15.15-15.30 Alvarez-Berastegui et al., **Integrated operational oceanography in response to science and society needs in the Western Mediterranean Sea**

15.30-16.00

**Coffee-break**

16.00-16.45

**Presentations**

- 16.00-16.15 Canu et al., **Nephrops norvegicus connectivity modelling in the Adriatic Sea to support the design of Essential Fish Habitats zones**
- 16.15-16.30 Sepp-Neves et al., **New release of the MEDSLIK-II-v2 oil spill model for the global**
- 16.30-16.45 Brandini et al., **Changes on the wind-wave regime and short-term risk assessment of coastal hazards in the North-Western Mediterranean.**
- 16.45-17.00 Lorente et al., **Unlocking HF radar data potential for scientific and societal applications (via skype)**

17.00-18.00

**Discussion and workshop wrap-up**



## 8<sup>th</sup> MONGOOS ANNUAL MEETING

**Thursday 5<sup>th</sup> December**

### **Plenary Meeting**

- 9.00-9.10 Chairs Welcome (Vanessa Cardin/Alejandro Orfila)
- 9.10-9.20 Welcome of the Director of the Oceanography Department of OGS

### **Invited Presentations**

- 9.20-9.40 ODYSSEA (Ghada El Serafy)
- 9.40-10.20 Jerico-S3 (Martin Pfankuchen) (15')  
SuperSite: Ligurian Sea (Laurent Coppola) (10')  
North Adriatic Platform (Fabio Brunetti) (20')
- 10.20-10.40 Cadeau (Antonello Bruschi)
- 10.40-11.00 **Coffee-break**
- 11.00-11.20 Danubius-IRI (Jana Friedrich)
- 11.20-12.00 EMODNET Physics/Chemistry (Antonio Novellino/Alessandra Giorgetti)
- 12.00-12.20 Ocean for Tomorrow and Ocean Decade (EuroGOOS)
- 12.20-12.40 Calypso South (Giuseppe Ciruolo)
- 12.40-13.00 Sharmed + JPI OCEANS (A.Drago) via skype

### **Lunch**

- 14.30-17.30 MONGOOS status and 2018 activities, new structure & vision  
Relation with EuroGOOS (Vanessa Cardin, Alejandro Orfila)

### **Working Group activities**

- Observations (Laurent Coppola)
- Modelling (Sofianos Sarantis)
- Applications (Giovanni Coppini)

### **OPEN DISCUSSION**

Future Mediterranean Network: Gap Analysis, design & implementation mechanisms

MONGOOS ANNUAL MEETING

