



WORKSHOP

“Advances in Oceanographic Modelling in the Mediterranean Sea “

SPLIT 15, November 2016

Location: Hotel Cornaro, Split, Croatia

Time	Title
9:00-9:30	Welcome Speeches

Review of existing operational systems

Time	Title
9:30-9:50	The South Eastern Levantine Israeli Prediction System (SELIPS) <i>Ron Goldman, Isaac Gertman</i>
09:50-10:10	Downscaling the CMEMS products for an operational forecasting system in Spanish harbors (SAMOA project). Agustín S-Arcilla ¹ , Manel Grifoll ¹ , Pablo Cerralbo ¹ , Marc Mestres ¹ , Manuel Espino ¹ , Marcos G-Sotillo ² , Enrique-Álvarez Fanjul ² ¹ Maritime Engineering Laboratory (LIM). Polytechnic University of Catalunya - BarcelonaTech (UPC). Carrer Jordi Girona 1-3, 08034 Barcelona, Spain. E-mail: agustin.arcilla@upc.edu ² Puertos del Estado, Avenida del Partenón 10, 28042, Madrid, Spain.
10:10-10:30	The CMEMS-Med-MFC-Currents operational system: last improvements and skill assessment. <i>Emanuela Clementi (1), Claudia Fratianni (1), Jenny Pistoia (1), Damiano Delrosso (1), Massimiliano Drudi (1), Alessandro Grandi (1), Pierluigi Di Pietro (1), Nadia Pinardi (1,2,3)</i> (1) INGV: Istituto Nazionale di Geofisica e Vulcanologia, Bologna, Italy (2) University of Bologna, Italy (3) CMCC: Centro Euro-Mediterraneo sui Cambiamenti Climatici, Italy
10:30-10:50	The CMEMS-Med-MFC-Biogeochemistry operational system: implementation of NRT and Multi-Year validation tools. Salon S., Cossarini G., Bolzon G., Teruzzi A. OGS - Istituto Nazionale di Oceanografia e di Geofisica Sperimentale
10:50-10:30	Coffee Break
10:30-11:50	The wave forecasting component of the Mediterranean Monitoring and Forecasting Centre in the framework of the Copernicus Marine Environment Monitoring Service Ravdas M ¹ , A. Zacharioudaki ¹ , and G Korres ¹ ¹ Hellenic Centre for Marine Research
11:50-12:10	Downscaling the CMEMS products: the Southern Adriatic Northern Ionian coastal Forecasting System for the Apulia region <i>I. Federico¹, G. Coppini¹, N. Pinardi^{1,2}, F. Montagna¹, R. Lecci¹, S. Casio¹</i> ¹ Centro Euro-Mediterraneo sui Cambiamenti Climatici ² Università di Bologna
12:10-12:30	"The CYCOFOS new forecasting systems at regional and sub-regional scales" George Zodiatis ¹ , George Galanis ^{1,2} , Hari Radhakrishnan ¹ , Andreas Nikolaidis ¹ , George Emmanouil ^{1,2} , Georgios Nikolaidis ¹ , Robin Lardner ¹ , Sarantis Sofianos ² , Stavros Stylianou ¹ and Marios Nikolaidis ¹ ¹ Oceanography Center, University of Cyprus ² University of Athens

Time	Title
12:30-14:00	Lunch

Simulation of processes and technical advances in numerical modelling in the region

Time	Title
14:00-14:25	<p>The effect of lagoons upon Adriatic Sea tidal dynamics Christian Ferrarin¹ & Georg Umgiesser^{1,2} 1 - CNR - National Research Council of Italy, ISMAR - Marine Sciences Institute in Venice, Castello 2737/f, 30122, Venice, Italy 2 - Open Access Center for Marine Research, Klaipėda University, H. Manto 84, 92294 Klaipėda, Lithuania</p>
14:25-14:50	<p>Estuarine dynamics for ocean modeling: the case study of the Ofanto estuary G. Verri^(1,2), N. Pinardi^(1,2), J. Tribbia⁽³⁾, F. Bryan⁽³⁾, Y. Tseng⁽³⁾, G. Coppini⁽¹⁾ ¹ Centro Euro-Mediterraneo sui Cambiamenti Climatici, Italy ² Department of Physics and Astronomy, University of Bologna, Italy ³ National Center for Atmospheric Research, Boulder, USA</p>
14:50-15:15	<p>Regional Circulation along the French Coast, using two-way zooms in North-Western Mediterranean Sea. Pierre Garreau, Valerie Garnier, Ivane Pairaud. Ifremer centre de Brest et Toulon France.</p>
15:15-15:40	<p>Development of a multi-data assimilation scheme to integrate Bio-Argo floats data with Ocean Colour satellite data into the CMEMS MFC-Biogeochemistry. Cossarini G., Salon S., D'Ortenzio F., Mariotti L. OGS - Istituto Nazionale di Oceanografia e di Geofisica Sperimentale Laboratoire d'Océanographie de Villefranche (LOV)</p>
15:45-16:15	Coffee break
16:15-16:40	<p>Local circulation modelling in Mediterranean Spanish coastal areas: Validation strategies and evaluation of potential added value with respect to regional solutions. MG Sotillo¹, JC Sanchez², Manel Grifoll³, P Rodríguez-Rubio⁴, A Amo-Baladrón¹, Simone Sammartino², P Lorente¹, Pablo Cerralbo³, E Alvarez Fanjul¹ ¹ Puertos del Estado, Madrid, Spain. ² Universidad de Málaga, Málaga, Spain. ³ LIM/UPC, Barcelona, Spain ⁴ Autoridad Portuaria Bahía de Algeciras, Algeciras, Spain</p>
16:40-17:05	<p>Multi-scale ocean modeling: the role of tidal dynamics in the Messina Strait, Western Mediterranean Sea A. Cucco, G. Quattrocchi, A. Olita, L. Fazioli, and Sorgente. National Research Council, Institute for Coastal Marine Environment, Oristano, 09170 Italy</p>
17:05-17:30	<p>Balearic Rissaga Forecasting System: recent progress and study of meteotsunami propagation under synthetic gravity wave forcing Baptiste Mourre¹, Matjaz Licer^{1,2}, Charles Troupin¹, Andreas Kriemeyer¹ and Joaquin Tintoré^{1,3} ¹ SOCIB, Spain ² National Institute of Biology, Piran, Slovenia ³ IMEDEA, UIB-CSIC, Spain</p>
17:30-17:55	<p>Modelling of meteorological tsunamis: state-of-the-art, perspectives and challenges" Ivica Vilibić, Jadranka Šepić, Clea Denamiel. Institute of oceanography and fisheries, Split, Croatia</p>
17:55-18:20	<p>High resolution surface dynamics of Algeciras Bay (Strait of Gibraltar) by Lagrangian particle tracking system. Simone Sammartino¹, José Carlos Sánchez Garrido¹, Marcos García Sotillo², Cristina Naranjo¹, Pablo Rodríguez Rubio³, Jesús García Lafuente¹, Francisco de los Santos Ramos³, Enrique Álvarez Fanjul² ¹ Physical Oceanography Group, University of Málaga, Campus de Teatinos s/n ,29071, Málaga, Spain ² Puertos del Estado, Avenida del Partenón 10, 28042, Madrid, Spain ³ Bay of Algeciras Port Authority, Avda. de la Hispanidad², 11207, Algeciras, Spain</p>

Fifth MONGOOS meeting

Split 16 - 17, November 2016

Location: Hotel Cornaro, Split, Croatia

November 16, 2016

9:00 - 12:00 Session on internal affairs

9:00 - 9:30 Welcome Speech 1, IOF director (15 minutes)
Welcome Speech 2, DHMZ Director (15 minutes)

9:30 - 10:30 Status of operational oceanography in Croatia

IOF - Towards Croatian operational oceanography (V. Dadic)
HHI - Croatian tide gauge operational tidal network (N. Leder)
CIM(IRB) – Long term monitoring of the Northern Adriatic (R. Precali)
AMGA- Could data provided by a yo-yo profiler be useful for Operational Oceanography (Z. Pasaric)
DHMZ - Meteorological and hydrological Service of Croatia for Marine Meteorology (D. Klaric)

10:30 - 11:00 MonGOOS status and 2016 activities
Giovanni Coppini and Enrique Alvarez (MonGOOS Co-chairs)

11:00 -11:30 Coffee Break

11:30 - 12:30 Presentation of new candidatures and partners:

- ETT (associated partner) - Giuseppe Manzella
- National Institute of Oceanography and Fisheries (presentation) – via webex
- ARPA-emr (associated partner)

12:30 -13:00 Modeling working group (Pierre Garreau)

13:00-14:00 Lunch

14:00 -14:30 Data working group activities
Leonidas Perivoliotis (MonGOOS Data Working Group leader)

14:30 - 15:00 Northern African Integration WG
Web presentation by Karim Hilmi (WG leader) or deputy – via webex

15:00 - 15:30 MonGOOS working group on Products and Open discussion on future of MEDESS oils spill system
Giovanni Coppini (MonGOOS Co-chair)

15:30 - 18:30 Session on ongoing projects (10 minutes presentations)

1. MEDOS. Alessandro Crise
2. EMODNET Physics, ETT. Giuseppe Manzella
3. EMODNET Med-Sea check-point, Nadia Pinardi

16:00 -16:30 Coffe Break

4. CMEMS MED-MFC: Giovanni Coppini
5. Jerico-Next: Leonidas Perivoliotis
6. RITMARE: Alessandro Crisse
7. CEASELESS: Agustín Sanchez-Arcilla
8. FixO3: Vanessa Cardin
9. Danubius RI: Georg Umgiesser
10. EUCISE-2020: George Zodiatis

18:30 Closure of first day

Fifth MONGOOS meeting

Split 16 - 17, November 2016

November 17, 2016

External Relationships (10 minutes presentations + 10 minutes discussion)

- 08:30 - 08:50 EuroGOOS,
Erik Buch
- 08:50 - 09:10 AfricaGOOS
Mika Odido – Via webex
- 09:10 - 09:30 Unep-Map PAP/RAC
Marco Prem
- 09:30 - 09:50 Ocean Literacy
Francesca Santoro – Via webex
- 09:50 - 10:10 REMPEC
Gabino González -Via webex

10:10 - 10:40 Coffe break

WMO-JCOMM Session

- 10:40 - 11:00 WMO: WIGOS/WIS presentation
Champika Gallage
- 11:00 - 11:20 JCOMM presentation
Nadia Pinardi
- 11:20 - 11:40 MonGOOS DDR
Nadia Pinardi
- 11:40 - 12:00 Open discussion

The MONGOOS science plan session

- 12:00 – 12:30 Status of development of the science plan
Sarantis Sofianos

12:30 - 13:30 Partner activity: recent developments and future plans (10 minutes presentations)

- Salvatore Marullo (ENEA): Long-term changes in the Northwestern Atlantic and Mediterranean SST from 1982 to 2015: A contribution of the Operational Oceanography to the determination of the present-day Climate.
- Rosa Balbin (IEO): The Spanish Institute of Oceanography Observing System in the Mediterranean Sea: new components
- Pierre Garreau (Ifremer): Deriving surface currents from marine traffic, a new operational tool
- Jure Jerman (ARSO): Recent development of Slovenian Operational Oceanography

13:30 Closure