



## Agenda outline for the COSS-TT International Coordination Workshop II (ICW-2)

(Draft, Feb. 1, 2013)

### Sunday, 3 February – COSS-TT International Coordination Workshop 2 (Day 0)

	<i>Topic</i>	<i>Location</i>	<i>Audience</i>
From 18:00	Welcome reception	<a href="#">CMCC, Via Augusto Imperatore, 16</a>	All

**Please note:** The location of the COSS-TT-2 Workshop is the **Castello Carlo V** – a different location to the Welcome reception on Sunday

### Monday, 4 February – COSS-TT International Coordination Workshop 2 (Day 1)

	<i>Topics and presentations</i>	<i>Presenter</i>
9:00 – 9:20	<b>Registration</b> (Payments (please bring payment confirmation ticket), badges, poster hang-up, etc.)	Registration desk
9:20 – 9:30	<b>Welcome</b> (Practical information, posters, meals, social events, etc.)	Local hosts
9:30 – 10:00	<b>Introduction to this workshop</b> - The Task team; actions since Miami; SIT - GODAE OceanView context - Workshop contents, objectives and expected outcomes	Pierre De Mey and Villy Kourafalou
10:00 – 10:30	<b>Key-note presentation :</b> The science of ocean predictions in the coastal zone: issues and perspectives	Nadia Pinardi, University of Bologna
10:30 – 10:50	<b>Coffee break, poster viewing &amp; registration</b>	
	<b>Theme 1: System review presentations</b> - Review of regional and coastal systems - Advances in the groups since Miami	<b>Theme chairs: Villy Kourafalou, Pierre De Mey</b>
10:50 – 11:10	<b>1.1 The Mediterranean Forecasting System</b>	Marina Tonani, INGV, Italy
11:10 – 11:30	<b>1.2 Towards a new operational forecasting system in Adriatic and Ionian Sea</b>	Maria Barbara Galati, CMCC, Italy
11:30 – 11:50	<b>1.3 Forecasting at the Mediterranean and the Aegean Sea scale: the POSEIDON system</b>	Gerasimos Korres, Hellenic Centre for Marine Research, Greece
11:50 – 12:10	<b>1.4 The IONIO Project</b>	Paolo Oddo, INGV, Italy

12:10– 12:30	<b>1.5</b> Performance of the Northern Levantine Circulation Model (NLEV), sea-level calibration and applications	Ali Aydogdu, Middle East Technical University, Institute of Marine Sciences, Turkey
12:30 – 14:00	<b>Lunch break</b>	
14:00 – 14:20	<b>1.6</b> From the deep ocean to the estuarine intertidal areas: an operational framework for the Portuguese Exclusive Economic Zone	Francisco J Campuzano, Maretec, Portugal
14:20 – 14:40	<b>1.7</b> Regional High Resolution Reanalysis over European North East Shelf domain	Mounir Benkiran, CLS, France
14:40 – 15:00	<b>1.8</b> Improvements to the operational Marine Core Service (MyOcean) model for the Northwest European shelf seas	Enda O’Dea, Met Office, UK
15:00 – 15:20	<b>1.9</b> Recent developments in the European coastal observing and forecasting systems. FIELD-AC and future trends	Emil Stanev, HZG, Germany
15:20 – 15:40	<b>Coffee break, poster viewing &amp; registration</b>	
15:40 – 16:00	<b>1.10</b> An evaluation of real-time forecast models of Middle Atlantic Bight shelf waters	John Wilkin, Rutgers University, USA
16:00 – 16:20	<b>1.11</b> The South American initiatives in regional modeling with focus on operational oceanography	Mauro Cirano, REMO, Brazil
16:20 -16:40	<b>1.12</b> Ocean circulation forecasts along the coasts of the US Pacific Northwest region	Alexander Kurapov, Oregon State University, USA
16:40 – 17:00	<b>1.13</b> Assimilative simulation of the counter-wind current in the northern SCS in winter	Jiping Xie, IAP, CAS, China
17:00	<b>End of day 1</b>	

	<i>Topics and presentations</i>	<i>Presenter</i>
	<b>Theme 1- continued</b>	
9:00 – 9:20	<b>1.14</b> Assimilation of SST to the Yellow and East China Sea circulation model using the ensemble Kalman filter	Byoung-Ju Choi, Kunsan National University, South Korea
9:20 – 9:40	<b>1.15</b> Numerical simulation on estuarine, coastal and off-shore circulation in Puerto Rico and the Virgin Islands using the Regional Ocean Modeling System (ROMS)	Miguel Solano, University of Puerto Rico
9:40 – 10:00	<b>News from other systems</b> (e.g. from TT members to say a few words about their latest updates since Miami)	Various Attendees
10:00 – 10:20	<b>Coffee break &amp; poster viewing</b>	
10:20 – 10:40	<b>Invited talk:</b> International initiatives: Euro-GOOS Coastal Modelling WG	Paolo Oddo
	<b>Theme 2A: Advances in integrated coastal observations</b> <ul style="list-style-type: none"> <li>- Integrated observational systems</li> <li>- Objective array design methods</li> <li>- Coastal altimetry</li> <li>- Coastal observatories &amp; data</li> </ul>	<b>Theme chair: Yi Chao</b> <b>Rapporteurs: Zhijin Li, Emil Stanev</b>
10:40 – 11:00	<b>2A.1</b> Array testing and impact of observations in the coastal ocean by ensemble methods	Pierre De Mey, LEGOS, France
11:00 – 11:20	<b>2A.2</b> Glider observations and regional ocean predictions at the Centre for Maritime Research and Experimentation	Baptiste Mourre, Centre for Maritime Research and Experimentation, NATO
11:20 – 11:40	<b>2A.3</b> Observing Systems Experiment with coastal in situ observations in the Adriatic Sea	Srdjan Dobricic, CMCC
11:40 – 12:00	<b>2A.4</b> The CYCOFOS operational flow forecast: now assimilating glider data	Daniel Hayes, University of Cyprus
12:00 – 12:20	<b>2A.5</b> Coastal observing system in the Gulf of Finland (Baltic Sea)	Taavi Liblik, Tallinn University of Technology, Estonia
12:20 – 13:50	<b>Lunch break</b>	
13:50 – 14:10	<b>2A.6</b> Observing System Evaluation for the Black Sea: Focus on ARGO floats and altimetry during 2005-2012	Emil Stanev, HZG, Germany
14:10 – 14:30	<b>2A.7</b> Gulf of Mexico prediction and Observing System Simulation Experiments (OSSEs)	Villy Kourafalou, University of Miami, USA
14:30 – 14:50	<b>2A.8</b> Observing System Experiments Using a Multi-Scale Three-Dimensional Variational Data Assimilation System	Zhijin Li, JPL, NASA, USA

14:50 – 15:10	<b>2A.9</b> The Regional Ocean Modeling System (ROMS) 4D-Var Data Assimilation Systems	Andrew Moore, University of California, USA
15:10 – 15:30	<b>Coffee break &amp; poster viewing</b>	
15:30 – 15:50	<b>2A.10</b> Application of ROMS 4D-Var assimilation methods to the California Current System	Christopher Edwards, University of California, USA
15:50 – 16:10	<b>2A.11</b> Dynamic interpolation of the high-resolution sea surface temperature data obtained from the Aqua-Terra satellites (MODIS-SST) using an ensemble	Yasumasa Miyazawa, JAMSTEC, Japan
16:10 – 17:00	<b>Discussion on Theme 2A: What could/should we do together?</b>	Rapporteurs from theme 2A, co-chairs, all wishing to comment
17:00	<i>End of day 2</i>	
Evening	<i>Workshop dinner</i>	

	<i>Topics and presentations</i>	<i>Presenter</i>
	<b>Theme 2B - continued</b>	
	<b>Theme 2B: Advances in downscaling</b> <ul style="list-style-type: none"> <li>- Downscaling and grid nesting methodologies</li> <li>- Balanced initialization methods</li> <li>- Unstructured grid modelling</li> </ul>	<b>Theme chair: Mauro Cirano</b> <b>Rapporteurs: Andy Moore, Enda O'Dea</b>
9:00 – 9:20	<b>2B.1</b> Operational Downscaling in Mediterranean Sea MENOR Configuration of PREVIMER	Pierre Garreau, Ifremer, France
9:20 – 9:40	<b>2B.2</b> Downscaling to Study Interactions between the Coastal Ocean and Bay/Estuary	Yi Chao, Remote Sensing Solutions, Inc., USA
9:40 – 10:00	<b>2B.3</b> Two-way nesting in a downscaled model suite of the Great Barrier Reef	Mike Herzfeld, CSIRO, Australia
10:00– 10:20	<b>Coffee break &amp; poster viewing</b>	
<b>10:20 – 11:00</b>	<b>Discussion on Theme 2B: What could/should we do together?</b>	Rapporteurs from theme 2B, co-chairs, all wishing to comment
	<b>Theme 2C: Coastal applications</b> <ul style="list-style-type: none"> <li>- Physical, ecosystem, oil spill, industry applications</li> </ul>	<b>Theme chair: Alexander Kurapov</b> <b>Rapporteurs: Yoichi Ishikawa, Pierre Garreau</b>
11:00 – 11:20	<b>2C.1</b> <i>SeaConditions</i> : to know the present and future sea conditions for safer navigation and informed sea-territory management	Giovanni Coppini, CMCC, Italy
11:20 – 11:40	<b>2C.2</b> Early warning system level forecast along the Italian coast: a semi-empirical approach	Antonio Bonaduce, CMCC, Italy
11:40 – 12:00	<b>2C.3</b> Ocean predictions for supporting the marine safety in the Mediterranean	George Zodiatis, University of Cyprus
12:00 – 12:20	<b>2C.4</b> Oil spill modelling in the southeastern Mediterranean	Steve Brenner, Bar Ilan University, Israel
12:20 – 13:50	<b>Lunch break</b>	
13:50 – 14:10	<b>2C.5</b> High-resolution real-time forecasting systems for predicting the water circulation and the fate of dispersed pollutants in coastal areas	Andrea Cucco, CNR-IAMC, Italy
<b>14:10 – 15:00</b>	<b>Discussion on Theme 2C: What could/should we do together?</b>	Rapporteurs from theme 2C, co-chairs, all wishing to comment
15:00– 15:20	<b>Coffee break &amp; poster viewing</b>	
	<b>MEDSLIK meeting</b>	Chair: Giovanni Coppini
15:20 – 17:00	Presentation & discussion	Giovanni Coppini
<b>17:00</b>	<b>End of day 3</b>	

Thursday, 7 February – COSS-TT International Coordination Workshop 2 (Day 4)

	<i>Topics and presentations</i>	<i>Presenter/ chair</i>
	<b>Theme 3: TT Organization Panel: How do we make the COSS action sustainable, and with which goals and format?</b>	Theme Chair: Nadia Pinarði
8:30 – 9:30	<b>Discussion on MoU &amp; COSS sustainability</b>	Nadia Pinarði, Villy Kourafalou
9:30 – 10:30	<b>Discussion on proposal initiatives and opportunities from COSS groups</b>	Co-chairs, all
10:30 – 10:50	<b>Coffee break &amp; poster viewing</b>	
<b>10:50 – 13:00</b>	<b>COSS-TT Core Group meeting</b> <ul style="list-style-type: none"> <li>- Preparation for the GOV review, symposium, White Paper, common proposals</li> <li>- List of actions</li> <li>- Next meeting</li> <li>- Any other topic</li> </ul>	COSS-TT co-chairs and TT Core group (Task Team members or substitutes, Theme chairs and Rapporteurs)
13:00 – 14:00	<b>Lunch break</b>	
14:00 - 17:00	<b>Networking activity</b>	Guided tour through Lecce (4€ fee)
17:00	<b>Closing of workshop</b>	

## Posters (P.1 – P.10)

Abstract title	Presenter	Topic
<b>P.1</b> Development of a high-resolution Japanese coastal ocean model toward operational monitoring and forecasting	Kei Sakamoto, MRI	1
<b>P.2</b> Parallelizing the Hydrodynamical Code of the Cyprus Coastal Ocean Forecasting System	George Zodiatis, Oceanography Center University of Cyprus & Giovanni Coppini, INGV	1
<b>P.3</b> Assessing the use of satellite altimetry and SST data to constrain a coastal model in the Bay of Biscay	Nadia Ayoub, LEGOS/CNRS	2A
<b>p.4</b> Covariance localization and statistical robust ensemble updates	Alexander Barth, Yajing Yan, Jean-Marie Beckers GHER, AGO, University of Liège	2A
<b>P.5</b> Altimetry data dedicated to Coastal Ocean Analysis	Claire Dufau, CLS	2A
<b>P.6</b> Coastal Altimetry: A New Resource for Validation and Assimilation?	Marcello Passaro, National Oceanography Center Southampton	2A
<b>P.7</b> Development of an incremental 4D-VAR system Toward a leading-edge downscaling approach	Yoichi Ishikawa, JAMSTEC	2B
<b>P.8</b> Multi-scale modelling for the coastal ocean	Alejandro Souza, National Oceanography Centre	2B
<b>P.9</b> MEDSLIK-II open source oil spill model: validation and application to emergency cases in the Mediterranean Sea	Michela De Dominicis, INGV	2C
<b>P.10</b> "WaveForUs": A Daily Wave and Circulation Forecast for the Public and Emergency Use in the Thermaikos Gulf	Yannis N. Krestenitis, Aristotle University of Thessaloniki	2C

