

# Coastal and Shelf Seas Modeling Working Group

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EuroGOOS 19th Annual General Meeting  
22-23 November, 2012 BSH, Bernhard-Nocht Straße 78, Hamburg



# OUTLINE

- *Motivation*
- *Terms of Reference*
- *Work done during 2012*
- *Next steps*



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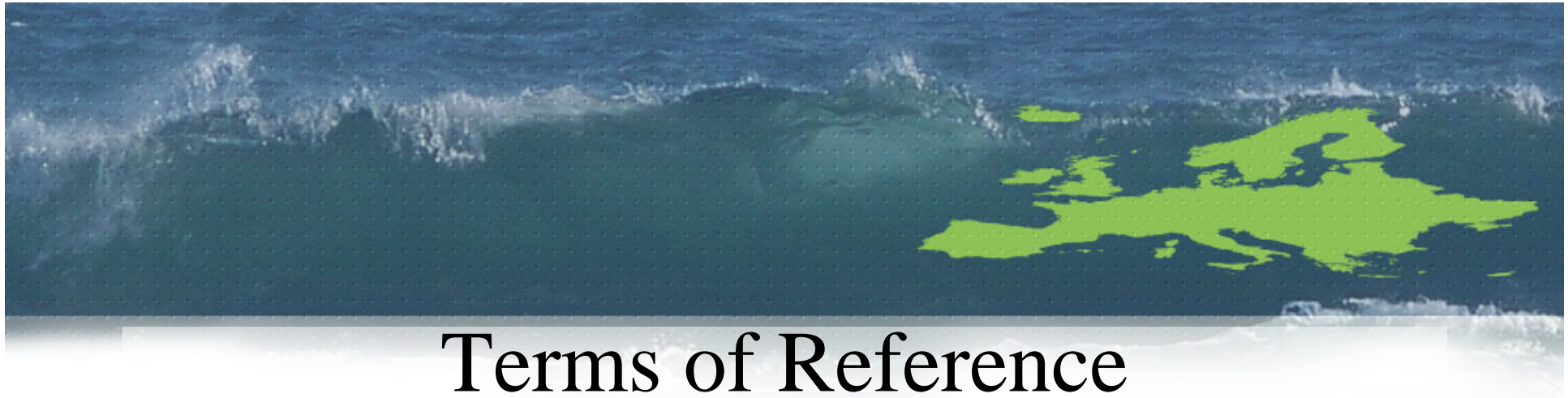


# Motivation

In order to guarantee continuity to a large lavished effort by our community in the past few years and in the hope of further and stronger coordinated collaboration between the groups, we feel the necessity to establish a new Working Group within the framework of EuroGOOS. This is a challenging but also relevant issues.



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# Terms of Reference

The EuroGOOS COastal and Shelf seas MOdelling Group (COSMO-WG) main objective is to establish a network of European experts from different coastal oceanography disciplines to discuss, promote and coordinate Coastal Ocean modelling (monitoring) activities in Europe.

The COSMO-WG will meet on yearly basis.



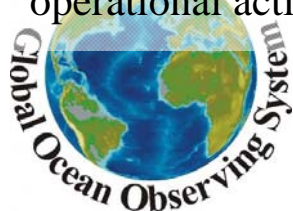
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# Terms of Reference

The main objectives of the COSMO-WG are:

- Maintain a link between international efforts (with particular attention to the GODAE OceanView Coastal Ocean and Shelf Seas Task Team) and ongoing coastal modelling activities in Europe;
- Maintain a continuous link between global/regional and coastal ocean operational activities at European Level, identifying the requirements to fill the gap between the different scales for a proper downscaling;
- Monitor research activities associated with coastal and shelf seas at European Level;
- Promote actions aimed at coordinating research associated with coastal and shelf seas activities;
- Identify coastal modelling requirements in terms of numeric and codes;
- Address the issue of data assimilation in coastal areas;
- Identify common protocols in coastal ocean model nesting and define a strategy for future works;
- Address the issue of model validations and routine observations in coastal areas;
- Create a roundtable of recognized experts from different coastal ocean disciplines (physical and biogeochemical numerical modelling, data assimilation, remote and in-situ observations, validation and operational activities);



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# Work done during 2012

**Round table of recognized experts from different coastal ocean disciplines (physical and biogeochemical numerical modelling, data assimilation, remote and in-situ observations, validation and operational activities).**

**Chair:** Paolo Oddo (INGV, Italy), Ole Krarup Leth (DMI, Denmark)

**Ocean Numerical modeling:** Rachid Benshila (LOCEAN IPSL, France) NEMO

**Global/Regional Operational Oceanography:** John Siddorn (UK Met Office, UK)

**Other international groups:** Pierre De Mey (LEGOS, France), GODAE COSS-TT

**Coastal Observations:** Joaquin Tintoré (IMEDEA, Spain)

**Biogeochemistry:** Letizia Tedesco (SYKE, Finland)

**Coastal Operational Applications and Services:** Gennady Korotaev (MHI, Ukraine)

**Nesting:** Paolo Oddo (INGV, Italy)

**Relevant Coastal physical processes:** Frank Dumas (CNRS, France)

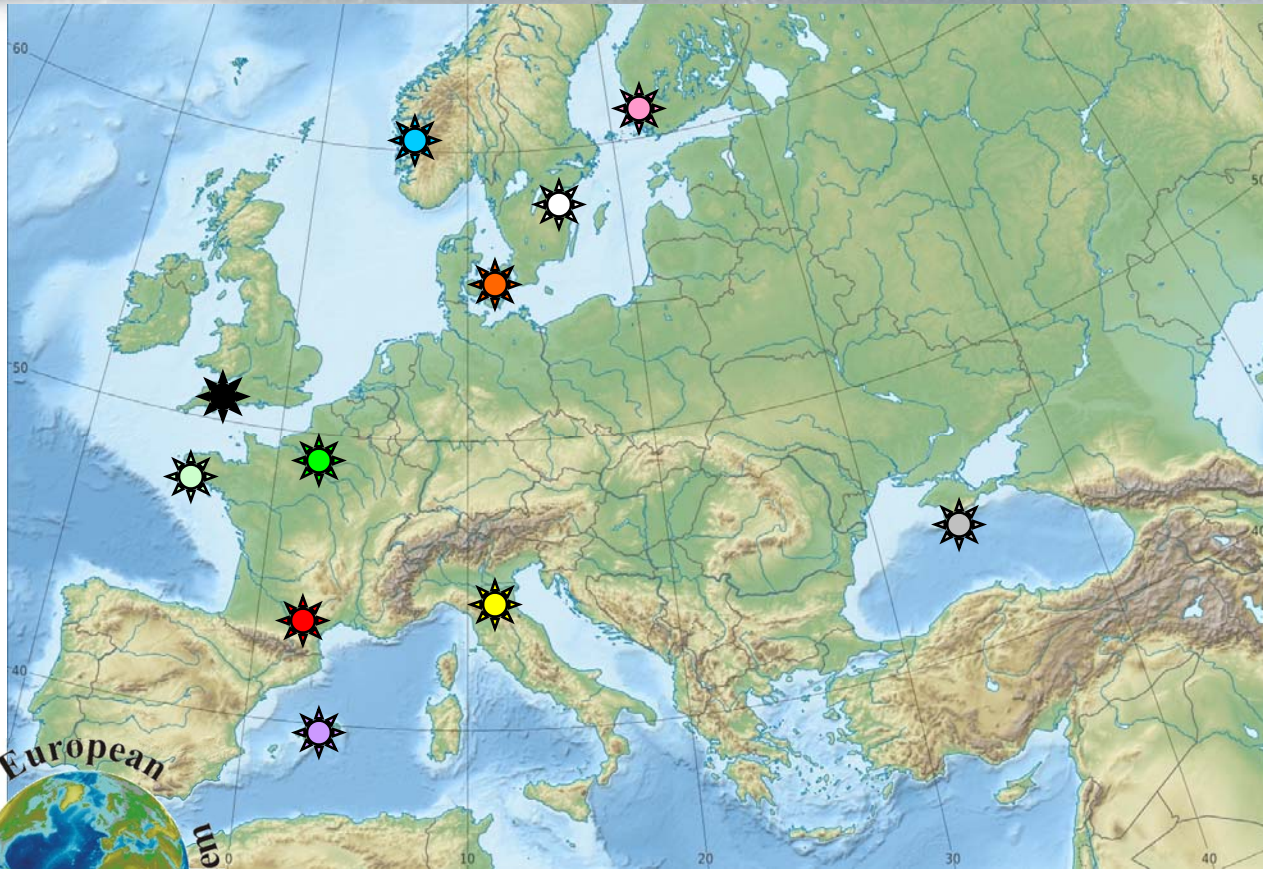
**Sea ice:** Lars Axell (SMHI, Sweden)












**Remote Sensing for coast:** Calire Dufau (CLS, France)

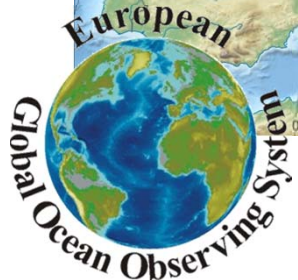
**Data Assimilation in coastal areas:** Laurent Bertino (NERSC, Norway)



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-  **INGV**, Italy
-  **DMI**, Denmark
-  **LOCEAN**, France
-  **UK-Meto**, UK
-  **Legos/CLS**, France
-  **IMEDEA**, Spain
-  **SYKE**, Finland
-  **DHI**, Ukraine
-  **CNRS**, France
-  **SMHI**, Sweden
-  **NERSC**, Norway



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## Next Steps

# First meeting in INGV Bologna (IT) on Dec the 17

to **share our ideas** about the status and the needs of coastal ocean modeling focusing on some already identified issues and/or promoting new ones.

On the base of the inputs provided by the presenters, common ideas, that can be supported by the activity of this WG, will be identified and the Term Of References reviewed accordingly.

In order to guarantee consistency there is a clear need to **consolidate this WG**, define an active **core-team** and **promote this initiative enlarging the number of participants**. Targeted actions to achieve this goal need to be identified during the meeting

We need also to **define an Agenda for the Working Group**, define priorities and identify concrete goals and the actions required.



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## Next steps

- *2013? Enlarge the group, organizing a conference, a section at EGU(?)*



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