

# MedGOOS Half-Day Seminar

## “Exchanging Numerical Coastal Modelling Experiences for Applications in the Mediterranean Region”

**(8:30-12:30) 5th March 2010**

**Germir Palas Hotel, Istanbul**

On the occasion of the 10th MedGOOS Annual meeting and the MOON Assembly (3-5<sup>th</sup> March 2010) that will be held in Istanbul, a half-day seminar on numerical coastal modelling experiences for the Mediterranean is being organised by the MedGOOS Secretariat. The Seminar will be held in the morning of Friday 5<sup>th</sup> March and will end before 1pm. The Seminar is hosted in Turkey on the kind invitation of Emin Ozsoy from the Institute of Marine Sciences (METU), and with the support of the Hellenic Centre for Marine Research.

The Seminar is intended to bring together experts from key institutions that are working on high resolution modelling activities of the coastal marine environment. The main targets of the Seminar are to:

- present state-of-the-art expertise on the subject;
- highlight the relevance of applications in coastal environments in the Mediterranean;
- showcase the most recent advances in coastal numerical models, and exchange experiences between research groups.

This seminar will be also an occasion to bring together partners that have pledged to support the Al-Bahri project with coastal model implementations.

Speakers from specialised research centres will be engaged to make state-of-the-art presentations on the subject.

The seminar is open to participation beyond MedGOOS and MOON. Interested participants are asked to register by sending an email message to:

MedGOOS Secretariat  
IOI-Malta Operational Centre  
University of Malta  
Att. Aldo Drago  
on [aldo.drago@um.edu.mt](mailto:aldo.drago@um.edu.mt).

More details on the Seminar, including logistical arrangements will be sent directly to the applicants.

### **Seminar Programme**

08.15h **Registration**

08.30h **Opening**

Welcome Address - *Aldo Drago, MedGOOS Executive Secretary (IOI-MOC, Malta)*  
Overview on the Seminar Theme – *Kostas Nittis, Chair of MedGOOS (HCMR, Greece)*

08.50h Segment 1: Chair: Aldo Drago, MedGOOS Executive Secretary

**Recent Advances in relocatable high resolution modelling and coastal models in the Northern Adriatic.**

*Nadia Pinardi, Istituto Nazionale di Geofisica e Vulcanologia (INGV)*

**Operational modelling of coastal systems: Experience of Deltares in Hydrodynamics, Water Quality and Ecology**

*Nicki Villars, DELTARES*

**Numerical Modelling in coastal areas: Case studies from the Italian Institute for Environmental Protection and Research**

*Luca Liberti & Antonello Bruschi,*

*Istituto Superiore per la Protezione e la Ricerca Ambientale (ISPRA)*



## **Modelling experiences in the Catalan Coastal Sea**

*Agustín Sánchez-Arcilla et. al, Laboratori d'Enginyeria Marítima, (LIM/UPC)*

10.20h–10.50h

### **Coffee Break**

10.50h Segment 2: Chair: Kostas Nittis, MedGOOS Chair

#### **Efficient downscaling to coastal sea using the unstructured finite volume model MIKE 3: Applications in the Ligurian Sea and for Danish Belts**

*Jacob V. Tonfeldt Sørensen, DHI Water Environment Health*

#### **A Comparison study of 6 Mediterranean lagoons with numerical modelling**

*Georg Umgiesser et. al,*

*Istituto di Scienze Marine - Consiglio Nazionale Delle Ricerche (ISMAR – CNR)*

#### **High resolution modelling in the North Western Mediterranean sea**

*Bruno Zakardjian, LSEE Toulon*

#### **Modeling organic matter production and export in some Western Mediterranean shelves**

*A. Cruzado, R. Bernardello and N. Bahamon,*

*Centro de Estudios Avanzados de Blanes (CSIC)*

12.20h

### **Final Discussion and Closing**

