

IODE SEMINAR I

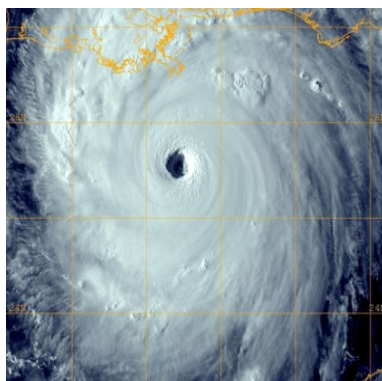
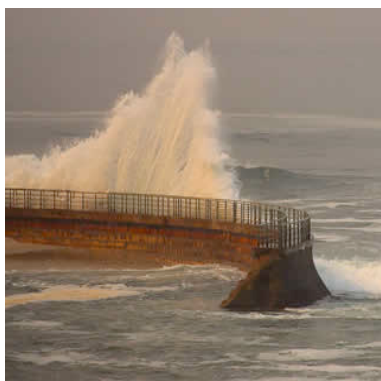
METOCEAN MODELING TO DEAL WITH COASTAL HAZARDS

Linking Sea and Sky

Dr Johannes Guddal (Norwegian Meteorological Institute, Bergen, Norway)

Dr Stephen S. Baig (Tropical Prediction Centre, Florida, USA)

Dr James Gallagher (OPeNDAP, inc., Butte, USA)



19 October 2009

16h00

Conference Hall

IOC Project Office for IODE

InnovOcean site

Wandelaarkaai 7

8400 Oostende

Each year several top scientists visit the IOC Project Office for IODE in Oostende to cooperate in projects on oceanography, oceanographic data- and information management and marine biodiversity.

In order to give marine scientists in Flanders the opportunity to stay informed about the latest developments in the field of oceanography in general and marine data and information management, marine biodiversity and ocean modeling in particular the IOC Project Office for IODE has started with the organisation of scientific seminars. These IODE Seminars are open to the wide marine science community in Flanders and abroad.

The first IODE Seminar “**MetOcean Modeling to deal with coastal hazards – Linking Sea and Sky**” will be organised on Monday 19 October in the framework of the Jamboree-III Training Workshop. An international group of oceanographers and meteorologists comes together during the JAMBOREE-III Training Workshop in order to work together on several mathematical atmosphere-ocean models to predict wave height, storm surges and ocean currents.

Program 19 oktober

- 16h00 Dr Johannes Guddal - Snapshots of United Nations coordinated activities in support of worldwide oceanographic observing activities.
Norwegian Meteorological Institute, Bergen, Norway
- 16h25 Dr James Gallagher - Using the OPeNDAP and CF to Provide Access to Gridded Model Data.
OPeNDAP inc, Butte, USA
- 16h50 Dr Stephen Baig - The applications of storm surge modeling for safety of life and preservation of property.
US National Hurricane Center, Florida, USA
- 17h15 Reception offered by IODE

Three top scientists will present the current status of meteorological and ocean modeling, data management requirements for modeling and the practical use of MetOcean models for storm surge modeling.

- **Dr Johannes Guddal** is working at the Norwegian Meteorological Institute in Bergen (Norway) and has a career-long experience with regional weather and ocean models. He was involved in global projects for ocean observations as the former co-president of JCOMM (Joint WMO-IOC Technical Commission for Oceanography and Marine Meteorology). He will talk about the past and future trends in atmosphere-ocean modeling.
- **Dr Stephen Baig** was involved for many years as the sole oceanographer at the U.S. National Hurricane Center (USA). He developed and produced the first operational sea-surface temperature maps based upon satellite observations, in support of hurricane prediction and modeling. Afterwards he became team leader of the Storm Surge Team of the National Hurricane Center in Florida. This team is responsible for all storm surge information and warnings. This information is essential for land management and planning of evacuation in coastal zones.
- **Dr James Gallagher** is the vice-president and one of the founders of OPeNDAP, the organisation responsible for the Data Access Protocol (DAP) in the United States. OPeNDAP is a non-profit organisation supported by the National Science Foundation, NASA and NOAA. Besides the development and management of the DAP, OPeNDAP also developed a data server (Hyrax) for her users and OPeNDAP works in close collaboration on this with its users. He will talk about the use of this system as an input source to feed ocean-atmosphere models with data.

More information:

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REGISTRATION

(by sending a mail to wouter.rommens@iode.org)

Name:

Institute:

Tel/GSM:

Will be present on the **IODE Seminar I “METOCEAN MODELING TO DEAL WITH COASTAL HAZARDS”**

on Monday 19 October 2009, 16h00 and will stay for the reception offered by IODE (17h15-18h15).

Location: Conference hall of the IOC Project Office for IODE, InnovOcean site, Wandelaarkaai 7, 8400 Oostende