

## **Interspill 2012 – Scientific workshop**

### **Oil Spill Drift Modeling (SW3)**

#### **Biographies**

##### **Nadia Pinardi**

Nadia Pinardi, holds a Ph.D. degree in Applied Sciences and Oceanography from Harvard University, MA, USA. She is now Associate Professor of Oceanography and Meteorology at the University of Bologna and holds an associate research position at INGV where she is the Director of the Italian National Group of Operational Oceanography. She has written more than 90 articles in peer reviewed journals, 10 chapters in books, 2 books and she is a contributing author of 2 EEA reports. From 2006 she is a Member of the Scientific Steering Committee of the European Environment Agency. She is chairing the Mediterranean Operational Oceanography Network (MOON) since 1995 and has been the scientific coordinator of several EU projects. Nadia Pinardi received the European Geophysical Union (EGU) Nansen Medal for Oceanography in 2007 and the UNESCO Roger Revelle medal for work in the International Oceanographic Commission.

Nadia Pinardi's research activity is focused on the numerical modelling of the ocean circulation from the open ocean to the coastal scales in order to improve our capability to predict and understand the currents and to simulate the coupled physical and bio-geo-chemical cycles. The work has concentrated on the development of the observational and modelling system for the prediction of currents over the entire Mediterranean Sea, the development of data assimilation techniques for forecasting and the development of oil spill models coupled with operational forecasts.

##### **Lars Hole**

Dr. Lars R. Hole is a senior scientist at the Norwegian Meteorological Institute (met.no) / Department of Oceanography and Marine Meteorology, which is located in Bergen. Since November 2007, Hole is responsible for the operational oil drift system at met.no. Before joining met.no, he was a senior scientist with the Norwegian Institute of Air Research (NILU) 2001-2007. He has also been teaching at the University Centre in Svalbard (UNIS) and has spent five years in the Norwegian and Canadian Arctic. He has a PhD within micro-meteorology and works with research projects related to air-sea interactions, with emphasis on field experiments for trajectory model validation. Internationally he is involved in projects such as GRI/Deep-C (GOM), MyOcean and Cuban-Norwegian collaboration on ocean modeling. He is supervising MSc and PhD-students at the University in Bergen.

##### **Valérie Dulière**

Dr Valérie Dulière mastered in Physics in 2002 and received her PhD in 2007 from University catholique de Louvain, Belgium. She has been working with models for more than 10 years. During her PhD, she worked on modeling sea ice. She then left for the University of Washington, U.S., where she worked on regional climate models to study climate change.

Currently, she works for the operational modeling team of the Management Unit of the North Sea Mathematical Models in Belgium. There, she develops a new 3D model that is able to forecast the drift and fate of oil spilled at sea. She puts a lot of stress on close collaboration with end-users to ensure that the model meets their needs and requirements.