

Boulder Fluid and Thermal Sciences Seminar Series



Thursday, August 23, 2018

3:30pm-4:30pm (refreshments at 3:15pm)

Mechanical Engineering Conference Rooms in the Engineering Center

University of Colorado, Boulder

Stress testing the EU monitoring capacity for the Blue economy

Nadia Pinardi

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In 2013, the EU started an assessment framework called “EMODnet Checkpoint” to assess how well the European marine monitoring system meets the requirements of a sustainable “blue economy”. Checkpoints should develop an assessment framework that considers “Use Cases” or “Challenges” to evaluate the fitness for use of input monitoring data sets. The quality of the Challenge products will inform whether a monitoring data set are “fit for use”. The developed assessment framework considered: 1) a meta-database and product catalogue with information about upstream data sources and Challenge products; 2) the definition of assessment indicators for the input data sets; 3) the application of the indicators to the Challenge products and the extraction of gaps in the existing marine monitoring system from the indicator statistics.

Biography: Nadia Pinardi holds a Ph.D. in Applied Physics from Harvard University, and she is full professor of Oceanography at Bologna University, Italy. Her interests range from ocean numerical modelling and predictions to data assimilation, numerical modelling of the marine physical-biological interactions and pollutants at sea. The last topics of her research are oil spill hazard mapping and submesoscale to mesoscale ocean interactions. She is now co-president of the Joint Committee for Oceanography and Marine Meteorology (JCOMM), a WMO and Unesco-IOC coordinating group for the development of operational meteo-marine and oceanographic services.

