**Short Report on Giglio Exercise:**

On February 14, 2012 at 9:00, four drifting buoys were deployed close to the Costa Concordia accident to test the operational aspects of the buoys and their ability to supply real position in case of oil spill accident, and also to certify the prediction skill of a numerical model. The numerical model was run at the same time of the deployment with the most updated meteorological and current information. The buoys were deployed successively with a linear arrangement from northeast to southwest and an average distance of about 7km between Giglio and Giannutri Island. This exercise ended on February 15, 2012 at 10:00.

The results of the test were globally very positive: the buoys were deployed without difficulty, all worked and transmitted data to the system. The recovery of the buoys was also easy and without incidents. Reasonable agreement was obtained between predicted and buoy trajectory patterns. The major discrepancies allowed us to identify the limitations of the forcing data, namely the wind data coming from regional meteorological models, without sufficient resolution to include the effects of the islands. These type of tests are very important to test each component of the operational system and to test the integration of the different components. In this particular test the limitations of the model were identified and different sources of data are being searched to improve the results. Other partners of the ARGOMARINE project are also using the results to improve the integration of data in the operational system.