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Ocean Science Discussions

Interactive comment on "Predictions for oil slicks detected from satellite images using MyOcean forecasting data" *by* G. Zodiatis et al.

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This is a very good work contributing new ideas and techniques on the way that numerical model results and remote sensing data can be exploited in an operational way for oil spill early detection and monitoring.

Regional and downscaled forecasts from the MyOcean project as well as ASAR satellite images are utilized by the MEDSLIK oil spill and trajectory prediction system in an area with increased risks for oil spill pollution: The Mediterranean and Black Sea. The utilization of a wide range of regional and downscaled data(water currents, sea surface temperature, wind speed and direction and sea waves) from SKIRON and CYCOFOS operational systems provide a qualitative advantage to the integrated system that is able to identify the location of the spill, predict where the slick will drift, where and

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when it will arrive as well as which resources will be threatened.

Such an operational system would certainly be of great interest for a number of end users that need credible information for the evolution of oil spills on an operational level.

Interactive comment on Ocean Sci. Discuss., 9, 1973, 2012.