

Interactive comment on “Decision support system for emergency management of oil spill accidents in the Mediterranean Sea” by S. Liubartseva et al.

Anonymous Referee #2

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This paper presents a web-based decision support system for emergency management in case of oil spill accidents in the Mediterranean Sea, called WITOIL (Where Is The Oil). Such systems already exist in other areas, for example Seatrack Web in the Baltic Sea, or were developed in projects such as MEDESS-4MS.

The system is based on the MEDSLIK-II oil spill model and includes an uncertainty algorithm for the initial conditions. It includes also a hazard module based on historical meteo-oceanographic datasets with an application to six Adriatic oil platforms.

The system is clearly design for a service-oriented approach with a friendly Graphical User Interface with results visualized through Google Maps. It has also a mobile version for Android.

I tried to run a simulation from the web interface (www.witoil.com). By default, the

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velocity due to wave-induced currents or Stokes drift is set to on, but there is no wave model to choose. It probably means that MEDSLIK-II uses an analytical formulation that depends on wind amplitude rather than wave data from a wave model, but that information is not clearly stated.

The paper is well organized and well written. Figures are very informative and clear. It is my opinion that this work is appropriate for NHESS.

Typo error to be checked: page 1, line2: replace “WITOL” by “WITOIL”

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