

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

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Thank you very much for your very relevant comment on the Stokes drift calculation. To the final variant of the manuscript, we have added the paragraph below:

To calculate the Stokes drift, the latest version of WITOIL uses empirical, so called JONSWAP wave spectrum as a function of wind speed and fetch (Hasselmann et al., 1973). Currently, De Dominicis et al., (2016) have modified MEDSLIK-II for the direct usage of wave model outputs, which is more accurate and computationally efficient. This important capability will be adapted into the next version of WITOIL.

and two additional references:

Hasselmann, K., Barnett, T., Bouws, E., Carlson, H., Cartwright, D., Enke, K., Ewing,

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J., Gienapp, H., Hasselmann, D., Kruseman, P., Meerburg, A., Mller, P., Olbers, D., Richter, K., Sell, W., Walden, H., 1973. Measurements of wave growth and swell decay during the Joint North Sea Wave Project (JONSWAP). *Erganzungsheft zur Deutschen Hydrographischen Zeitschrift Reihe*, A8–12.

De Dominicis, M., Bruciaferri, D., Gerin, R., Pinardi, N., Poulain, P.M., Garreau, .P., Zodiatis, G., Perivoliotis, L., Fazioli, L., Sorgente, R., Manganiello, C., 2016. A multi-model assessment of the impact of currents, waves and wind in modelling surface drifters and oil spill. *Deep-Sea Res. II*, <http://dx.doi.org/10.1016/j.dsr2.2016.04.002i>

We also appreciate your finding the typo. Now, we have corrected it.

[Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., doi:10.5194/nhess-2016-174, 2016.](#)

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