

Interactive comment on “Modelling origin and transport fate of waste materials on the south-eastern Adriatic coast (Croatia)” by M. Tudor and I. Janeković

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Answers to referee #2

We are grateful to reviewer for his/her time and constructive comments. This revealed which parts needed more work and what was necessary to clarify.

The atmospheric ALADIN model was used as main force to drive the ocean circulation (via ROMS model), where wind field plays important role related to the surface currents and advection of the surface drifters, therefore we think it needed validation. However, it is not the main goal of the paper. The manuscript text and several figures are modified along with typos and grammar corrected. The units in Fig 1 are explained in the figure

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caption. Figures 3 and 5 are intended to describe the overall synoptic setting and what caused to the high precipitation event. There were no insitu measurements available from Albania, at the time, but the abundance of remote sensing data shows that there was a high precipitation event, and possibly more intense than in Montenegro. The figure captions are improved to describe what is shown in the figure more thoroughly. The Lagrangian module is described in the modified version of the manuscript with appropriate reference.

Thank you again for the effort! Best regards!

Interactive comment on Ocean Sci. Discuss., 11, 2939, 2014.