

## ***Interactive comment on “Evaluation of the Search and Rescue Leeway model into the Tyrrhenian sea: a new point of view” by A. Di Maio et al.***

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Thank you to referee#2 for his constructive comments about the manuscript, especially with reference to the comment number 2 with which we are absolutely agree. We have deepened the study about the statistical approach including a new test: that allow us to find a regression lines beam corresponding to a good simulation of the real event . Setting correctly the standard error coefficients, the distance between the particles and the rescue point/time is reduced and the dispersion is low. The pattern is now comparable to the results obtained by means of the new approach; anyway the latter provides the absolute smallest distance and that seems emphasize even more the goodness of the method.

The pdf file attached here is the new version of the manuscript containing more details

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in the results discussion. New figures are included

A 2nd pdf file with reply to each comment is also attached

Please also note the supplement to this comment:

<http://www.nat-hazards-earth-syst-sci-discuss.net/nhess-2016-109/nhess-2016-109-AC2-supplement.zip>

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Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., doi:10.5194/nhess-2016-109, 2016.

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