

Interactive comment on “Italian Tsunami Effects Database (ITED): the first database of tsunami effects observed along the Italian coasts” by Alessandra Maramai et al.

Alessandra Maramai et al.

laura.graziani@ingv.it

Received and published: 19 September 2019

Dear Referee, Thank you for your useful recommendations, we will try to take them into account when revising the paper in the meanwhile we would like to reply to your suggestions

- I would have liked to see a more clear description of the possibilities this dataset opens for the scientific community. What can we do with this dataset that we could not do before?

ITED can provide more easily the information contained in EMTC, first of all it allows

[Printer-friendly version](#)

[Discussion paper](#)



querying the database through different keys moreover the user can for example retrieve information on the coastal sites (PN) in order to have an idea on how it was interested by tsunamis in the past or can know the extent of the effects of a single tsunami.

- Except for a small comment on the tsunami history at Stromboli, there is no discussion of the level of completeness of the dataset. This is of huge importance when using the data for tsunami hazard assessment, and should be addressed.

The number of tsunamis contained in ITED is quite low and therefore statistical analyses performed with those numbers would lead to non-robust results. ITED database spans a time interval of two millenniums but it is largely incomplete in the first where only the 79 AD. Vesuvius eruption tsunami is included. Considering the frequency of events related to reliability only in the last three centuries the number of entries in the catalogue begin to be stable suggesting the achievement of a certain level of completeness.

- At the same time, I would have liked to see more detailed descriptions of the strategies for data collection and interpretation, and of the changes made to the EMTC. Ideally, changes made to EMTC could be included in an online supplement, which would make it easier for users of the previous version to correct their work.

Regarding the descriptions of the strategies of data collection and interpretation we would like to make clear that in ITED we made an update of the Italian section of EMTC following the criteria used during the first release. We are working currently on the collection of data regarding tsunamis occurred from 2014 to present in order to updated the EMTC, in this frame we will provide all the details of the changes made to the previous version.

-I recommend restructuring the paper with separate sections focusing on “methods” and “results”. This would make it easier for the reader to see what has been done to collect the data, and it would prevent a lot of repetition, which is in the current version.

-in my view, the description of the database and the web application could be shortened somewhat, and 1-2 of the example plots could be left out. I would expect any reader to go directly to the database to have a look at the functionalities, so figure examples do not need to be included for all functionalities.

We will try to modify following your recommendations.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2019-241>, 2019.

Interactive
comment

[Printer-friendly version](#)

[Discussion paper](#)

