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Interactive comment on “Importance of three-dimensional grids and time-dependent factors for the applications of earthquake forecasting models to subduction environments” by C.-H. Chan

Anonymous Referee #1

Received and published: 11 April 2016

This paper shows results about comparison of different earthquake forecasting models applied to Ryukyu and Kanto regions. The author shows different approaches related to different earthquake forecasting methods: I think that the description of the models is done in an appropriate manner. I appreciate the evaluation with retrospective testing, but some important technical details are missing on this part. I have three general comments about this work:

1) explain better how the Molchan diagram computation was done.

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2) Chapter 5.1: check your conclusions with the results show in the figure 8 and 9. I think that there is a misinterpretation of the results. I suggest to read this work: <https://gji.oxfordjournals.org/content/172/2/715.full>

3) Chapter 5.3 : if you want to talk also about seismic hazard, please show some hazard maps, to check the differences between models and approaches. Or you can delete this part.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 3, 7527, 2015.

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