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Atmospheric Chemistry and Physics Discussions

Interactive comment on "Extreme winds over Europe in the ENSEMBLES regional climate models" *by* S. D. Outten and I. Esau

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1.) Abstract: It would be helpful to mention the emission scenario used for the future projections.

2.) Page 1185-86: Fitting the GPD to the extreme wind events, it should be noted that both 30-year periods are regarded as a stationary climate here, and briefly discussed whether this is a valid assumption.

3.) Extreme wind speeds in the ENSEMBLES RCMs under recent and future climate conditions were previously analysed and discussed in the following two publications. This paper would benefit from discussing the results (and uncertainties!) in the context of these papers, which make use of the same data source (however including a larger

ensemble) but different methodology:

Donat, M.G., G.C. Leckebusch, S. Wild, and U. Ulbrich (2011), Future changes in European winter storm losses and extreme wind speeds inferred from GCM and RCM multi-model simulations, Nat. Hazards Earth Syst. Sci., 11, 1351-1370, doi:10.5194/nhess-11-1351-2011.

Donat, M.G., G.C. Leckebusch, S. Wild, and U. Ulbrich (2010), Benefits and limitations of regional multi-model ensembles for storm loss estimations. Climate Research, 44, 211-225. DOI: 10.3354/cr00891.

4.) Figure 2: It is very difficult to see details in the map plots. Please consider making the plots larger.

This is some interesting work! I encourage the authors to address these points, and look forward to the finally published version of this paper.

Interactive comment on Atmos. Chem. Phys. Discuss., 13, 1179, 2013.