

Interactive comment on “Comment on “Global risk of radioactive fallout after major nuclear reactor accidents” by J. Lelieveld et al. (2012)” by J. Lelieveld et al.

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We thank Dr. Ehlermann for his comment.

We do not agree that the lack of data on INES events is not relevant. If we are to provide a parametric distribution of INES 7 events, in response to Ehlermann's comment on 23 August that our statistics is “of layman kind”, we would need the official, comprehensive data of all incidents and accidents of all types worldwide, which are unfortunately not available.

The dependency of reactor accidents in Fukushima has been addressed in our previous reply.

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We agree that establishing independent safety provisions is only relevant for reactors lacking such provisions.

We are continuing to collect additional information, i.e., statistics on INES events, and we will have to wait and see if sufficient data come together to apply advanced statistics. If yes, a new manuscript or commentary to the original manuscript will be submitted in which we will apply frequency distributions.

We will extend the answers to Q8/9 in the revised manuscript to better explain the issue of core melts.

Interactive comment on Atmos. Chem. Phys. Discuss., 12, 19303, 2012.