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Atmospheric Chemistry and Physics Discussions

Interactive comment on "Bayesian inverse modeling and source location of an unintended I-131 release in Europe in the fall of 2011" *by* Ondřej Tichý et al.

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As pointed out in my initial review, there is one issue not fully discussed in the paper. The total amount released was well reconstructed. The time dependency not at all – assuming that most was released during only two days. The models, however, proposed significant releases much earlier. The question that should be discussed further is the reason for this. Is it an artefact? Is the meteorological data together with the limitation of these models the reason for this? The timing of the source term is even more important of the total amount released as this determines the areas affected and the countermeasures needed.

the new approach can only be evaluated if such a discussion is performed, otherwise

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Discussion paper

the results might be just achieved by chance.

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