

***Interactive comment on “Atmospheric removal times of the aerosol-bound radionuclides  $^{137}\text{Cs}$  and  $^{131}\text{I}$  during the months after the Fukushima Dai-ichi nuclear power plant accident – a constraint for air quality and climate models” by N. I. Kristiansen et al.***

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Following the observation-based aerosol lifetime estimates from this study, there is now a need to compare these findings with aerosol lifetimes obtained by models.

We therefore encourage modellers to perform simulations of the release of aerosol-bound radionuclides emitted from the Fukushima Dai-ichi nuclear accident in 2011, and kindly ask you to contribute to a comparison study of modelled and observed

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aerosol lifetimes. The specifications for this comparison-study are given in the attached PDF file (acp-2012-301-supplement.pdf)

Please also note the supplement to this comment:

<http://www.atmos-chem-phys-discuss.net/12/C2516/2012/acpd-12-C2516-2012-supplement.pdf>

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