

Interactive comment on “Speciation of anthropogenic emissions of non-methane volatile organic compounds: a global gridded data set for 1970–2012” by Ganlin Huang et al.

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The authors acknowledge the comment of David Simpson regarding the supplementary data provided by this work.

We would like to highlight that as stated in the title of our paper “Speciation of anthropogenic emissions of non-methane volatile organic compounds: a global gridded data set for 1970–2012”, the aim of our work is to provide global emission gridmaps over the past 4 decades for NMVOC species and not directly publishing each region- and subsector-specific speciation profile applied to each EDGAR activity code. None of the subsets would provide a comprehensive profile with world coverage directly applicable to a full sector. We want to reassure the Re-

viewer that the data he is asking for is fully available on the EDGAR website: http://edgar.jrc.ec.europa.eu/overview.php?v=432_VOC_spec&SECURE=123, with for each NMVOC species emission timeseries (1970-2012) by sector and country in an overview table (.xls). Any user can select the IPCC sectors he is interested to look at and calculate the speciation profile by IPCC code and country using the information provided for the 25 NMVOC species and any user can adopt the speciated emissions (gridded and not gridded) to rescale his own NMVOC emission inventory at different level of detail. We use the standard IPCC codes, as these are well defined and any user can convert his/her own sectors to this standard using their own cross-walk matrix. We hope to have clarified the question of David Simpson, as well as having highlighted the possibility for any modeler in applying our speciated database through basic rescaling procedures and VOC species ratios calculations.

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Discussion paper

