

## ***Interactive comment on “Young People’s Burden: Requirement of Negative CO<sub>2</sub> Emissions” by James Hansen et al.***

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Methane discussion part: I suggest to include work of Shakova et al. (2015): "We suggest that progression of subsea permafrost thawing and decrease in ice extent could result in a significant increase in CH<sub>4</sub> emissions from the ESAS." (Shakhova N et al. 2015 The East Siberian Arctic Shelf: towards further assessment of permafrost-related methane fluxes and role of sea ice. Phil. Trans. R. Soc. A 373: 20140451.)

L766 Reference Warwick et al. 2016 is missing in the reference text.

Regarding the discussion on nuclear power and emission reduction rates, I suggest to include following citation (Lawrence et al. 2016, <http://dx.doi.org/10.1080/14693062.2016.1179616>):

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"...intensities of national commitment to nuclear power tend to be inversely related to degrees of success in achieving EU climate policy goals."

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Interactive comment on Earth Syst. Dynam. Discuss., doi:10.5194/esd-2016-42, 2016.

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