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## ***Interactive comment on “Atmospheric constraints on the methane emissions from the East Siberian Shelf” by A. Berchet et al.***

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This manuscript has earlier been rejected from an AGU journal and the current version here submitted to ACPD is only superficially edited relative to the earlier rejected version. There is a lack of recognition concerning the limitations of their own approach and the huge uncertainty overall of these systems. I remain convinced about the value of atmospheric inversions, not the least as one approach to estimate current methane emission from the East Siberian Arctic Ocean, yet this study fails to provide the type of firmly supported and important insights that would be required for a journal like ACP. The “new” submission to ACPD has now been studied. In the attached pdf file, a number of key considerations are detailed that at present hinders this study

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from constituting a valuable contribution, yet are meant to support the authors in their coming efforts.

Please also note the supplement to this comment:

<http://www.atmos-chem-phys-discuss.net/15/C7983/2015/acpd-15-C7983-2015-supplement.pdf>

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Interactive comment on Atmos. Chem. Phys. Discuss., 15, 25477, 2015.

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