

1 **Impacts of microtopographic snow-redistribution and lateral subsurface processes**
2 **on hydrologic and thermal states in an Arctic polygonal ground ecosystem [MS no.**
3 **gmd-2017-71]**

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5 **SC1: 'Executive Editor Comment on "Impacts of microtopographic snow-**
6 **redistribution and lateral subsurface processes on hydrologic and thermal states in**
7 **an Arctic polygonal ground ecosystem"', Astrid Kerkweg**

8
9 *"The main paper must give the model name and version number (or other unique identifier)*
10 *in the title."*

11 *"If the model development relates to a single model then the model name and the version*
12 *number must be included in the title of the paper. If the main intention of an article is to make*
13 *a general (i.e. model independent) statement about the usefulness of a new development, but*
14 *the usefulness is shown with the help of one specific model, the model name and version*
15 *number must be stated in the title. The title could have a form such as, "Title outlining*
16 *amazing generic advance: a case study with Model XXX (version Y)"."*

17 **Response:**

18 We have updated the title of our manuscript to be "Impacts of microtopographic snow-
19 redistribution and lateral subsurface processes on hydrologic and thermal states in an
20 Arctic polygonal ground ecosystem: A case study using ALM-3D v1.0"

21
22 *"All papers must include a section, at the end of the paper, entitled 'Code availability'. Here,*
23 *either instructions for obtaining the code, or the reasons why the code is not available should*
24 *be clearly stated. It is preferred for the code to be uploaded as a supplement or to be made*
25 *available at a data repository with an associated DOI (digital object identifier) for the exact*
26 *model version described in the paper. Alternatively, for established models, there may be an*
27 *existing means of accessing the code through a particular system. In this case, there must exist*
28 *a means of permanently accessing the precise model version described in the paper. In some*
29 *cases, authors may prefer to put models on their own website, or to act as a point of contact*
30 *for obtaining the code. Given the impermanence of websites and email addresses, this is not*
31 *encouraged, and authors should consider improving the availability with a more permanent*

32 *arrangement. After the paper is accepted the model archive should be updated to include a*
33 *link to the GMD paper."*

34 *Inclusion of Code and/or data availability sections is mandatory for all papers and should be*
35 *located at the end of the article, after the conclusions, and before any appendices or*
36 *acknowledgments. For more details refer to the code and data policy.*

37 **Response:**

38 We have publicly released the code and data used in this study. The ALM-3D code is
39 available at <https://bitbucket.org/gbisht/lateral-subsurface-model>, while the data used in
40 this study is available at <https://bitbucket.org/gbisht/notes-for-gmd-2017-71>.