

Response to the comments by the Editor

Consider using subscripts for thresholds th₁ and th₂

Done.

Figure S1 enter scale bar

Added.

Supplemental Data: Is that shp file not part of the doi repository?

In principle, yes (we have to update the version on Pangaea). After we had received a couple of requests for the dataset but still the embargo on Pangaea, we thought it might be useful to provide the shapefile also as a Supplement. We hope this is ok.

l. 220 Unify using "Figure" or "Fig."

We always use 'Figure' at the beginning of a sentence as I have read somewhere that starting a sentence with an acronym/abbreviation or number is bad style ;)

l. 226 th₁ is not fully in italics

Changed.

l. 405 Unify use of significant digits (.88 km v.s .1 in line 406).

Done.

l. 438 "receipt" I think you mean "received" ?

'Received' would work as well but I think 'radiation receipt' is the correct technical term.

l. 604 remove "so-called"

Done.

l. 643 please add: "The editor thanks Andrea Fischer and Sam Herreid for constructive and meaningful reviews."

Done.