

## Response to the editor's comments after revision.

We thank the editor for accepting the paper subject to some technical corrections. Here we address these corrections.

1. *The terminology of the evaporation of floor\_interception and E\_soil moisture are unclear: Is it that floor\_interception only occurs with vegetation and E\_soilmoisture with bare soil? Please explain;*
2. *The figures: Resolution seems to be low, at least for the text (e.g. 0, 45N and arrow in for instance Fig2a).*
3. *The caption of Fig6 is missing*

1. We thank the editor for pointing out that this could be misinterpreted. We have now included a detailed explanation after Eq. (1). It is not that floor interception only occurs with vegetation. The classification "bare soil" is in many models given to land which is not actually bare soil in the physical sense. We find that misleading and therefore do not follow such terminology. Floor interception is water that is intercepted by the ground and litter surface. Part of this water will never infiltrate, and even if you have actual bare soil there is still a tiny part of the water that will not infiltrate. Therefore, it is more logical to see this as part of the interception and we termed that floor interception. Soil moisture evaporation is water that evaporates from the unsaturated zone. In Part 1 we provide more details.
2. Thanks for pointing this out. We have improved the resolution for the uploaded files.
3. Again, thanks for pointing this out. The caption had accidentally fell off due to space limitations on that page, but was still in the our .tex-file.

In this manuscript we make several references in the text to specific figures and tables of Part 1. However, we do not want to run the risk of referring to a wrong figure number. Therefore, we think that it would be better to wait before this paper goes to production and publication until Part 1 is accepted as well.