

## **Determining the drivers for snow gliding by Fromm et al. – REVIEW – second turn**

The authors made a great work in accomplishing my comments and in answering properly and clearly to them. The paper is now ready for publications, after only some minor revision.

In particular, they still do not say explicitly how they selected the parameters for the box-plots and the Whitney–Mann U-test (Fig. 4). In Table 2 there are 7 significant parameters for Period I and 8 parameters for Period II, but then the box-plots are made only for some of those parameters. Why? Maybe they did it and the results were not significant... no problem, they should simply state this.

At pag. 5, lines 30-33 should go to the method, where actually lines 24-27 at pag. 4 tell more or less the same.

At page. 5, lines 1, I would change the sentence into: *"The soil moisture characteristics were different for pastures and abandoned areas. Though, at the surface, the soil moisture was close to zero until March in both sites (Fig. 2)."*

And here it would be interesting to comment about freezing and melting processes in the uppermost soil layers. In fact, the authors speak about these processes in the abstract and in the conclusion, but without really using their data. But, actually, this fact appears in their data! At the end of December 2014, the soil moisture abruptly decreased after a cold period ( $T_a$  down to  $-15\text{ }^{\circ}\text{C}$ ) with no snow at ground... I would imagine then that this decrease was related to the freezing of the liquid water in the soil. I imagine that at this point of the manuscript the authors might give this example to support their sentences (in the abstract and at the end of the conclusion) about the importance of freezing and melting process in the uppermost soil layers. It is simply a suggestion...