

Referee 4

1. The Referee wrote “*Time-lapse ERT monitoring of permafrost is a challenging topic, and experimental studies in extreme environments are characterized by complex operational procedures. Therefore, papers on this topic are welcome and should be encouraged. I would only suggest removing paragraph 5.5, 'Hydrogeological dynamics', as some of the information about the water flux could easily be included in the previous paragraphs.*”

Response: We agree with and thank Dr. Lapenna for highlighting the difficulties and challenges associated with A-ERT monitoring in high-mountain environments, and we appreciate his constructive suggestion. While we acknowledge that part of the discussion on water flux relates to the previous sections, we believe that retaining Section 5.5, entitled “*Hydrogeological dynamics,*” improves the readability of the manuscript by providing a dedicated synthesis of the hydrogeological processes and of the limitations of ERT in this type of extreme environment. Nevertheless, we have revised this section to streamline the text and to better link it to the preceding paragraphs.