This is a thorough, detailed and well written design and description of the new Austrian Glacier Inventory (AGI5).

I question the value of 10-25cm orthophotography for glacier mapping - one could not identify extent to this precision even if one was in situ, and with summer melt, it would change on a daily/weekly basis - these images were captured over two summers (2022-23). However this is the resolution of the available imagery !

The round robin experiment is curiously interesting but I note that the analyst variability far exceeds the image resolution.

We appreciate these positive comments, thank you! We understand the point about whether this level of detail is useful. It is indeed true that the 10-25cm imagery is simply what we have to work with. We believe there are some advantages when assessing very small-scale local features (which may not always be relevant for outline mapping) but agree that there is a point where increased image resolution no longer improves the accuracy of outline delineation.

I identify some very minor graphic issues in the otherwise excellent figures:

Figure 1: there is no need to add 0' in each graticule label - this is simply 'noise'

Figure 7: it seems inconsistent to shorten the labels on the Vanishing Glaciers to GI3,GI5 when even in the caption, they are written in full: AGI3, AGI5 etc..

Supplementary material: the scale bar divisions on figures should be standard/round numbers e.g. 50,100 rather than 40, 45, 0.45, 0.26, 70 etc.. (figures S1,2,4,5,9)

Thank you for pointing out these issues. We will adjust the labels in Fig 1 and 7 and the scale bars in the supplement figures.