

Dear Dr. Alberto Ribotti,

We have submitted the revised version of the manuscript titled 'SCShores: A Comprehensive Shoreline Dataset of Spanish Sandy Beaches from a Citizen-Science Monitoring Program' (essd-2023-230).

Below, we have provided a list of changes made based on your suggestions:

**Comment 2:** for completeness in description, please add a few lines explaining why you cannot calibrate your model with high-resolution temporal satellite images

*We agree with the suggestion and have incorporated new text into section 2.2.4, titled 'Dataset Compilation,' to address the reviewer's comment. This new text can be found in lines 286 to 290 in the document with tracking changes.*

*"Validation solely utilized GPS RTK-GNSS measurements due to their widespread availability and unmatched precision ( $\leq 15$  cm) across all three spatial dimensions (X, Y, Z). High-resolution satellite images ( $< 50$  cm<sup>2</sup> pixel size), although accessible, require funding as they originate from commercial platforms like WorldView2/3. Their spatial accuracy relies on both pixel size and georeferencing precision, introducing potential uncertainties in shoreline position and the further validation of CoastSnap shorelines."*

**Comment 4:** the referee asked for the readability of certain figures to be improved, not the resolution, which is known to the authors when each part is created. The figures, once published, will be reduced in size impairing readability in some of their parts and thus losing some or all of their explanatory function. I therefore ask the authors to improve the readability of the following figures, even if improved with version 2, in particular (version 2):

- figure 4: the lettering inside the photos is illegible. The small map at the bottom left of the high left larger map is already illegible now. I also suggest to change the colors of the stations (now orange and light blue).
- figure 5: the legend in both figures should be increased in size and the lettering placed in bold. Lines ranging from 1080 to 1920 px are invisible even now
- figure 7: the co-ordinates along the axes of the figures are almost illegible, as are the inscriptions inside and of the legend, which therefore need to be revised as for the previous figures

*We agree with the suggestion and have improved the indicated figures. We have selected version 2 of Figure 1, as included in the Reviewer's response, and have implemented all the changes suggested by the Topic Editor. Additionally, we have made the necessary changes to Figures 4, 5, and 7. Furthermore, we have adjusted the text size in Figure 6 to enhance readability*

We have thoroughly revised the manuscript and considered the topic editor and reviewers' suggestions, which we have found very useful, and we hope this new version of the MS is worthy of publication in *ESSD*. Please, if you have any further questions, do not hesitate to contact me at any time.

Sincerely,

Rita González-Villanueva, on behalf all the authors.