

Dear Prof. Fiona Clubb
Associate Editor ESURF Copernicus

Please find enclosed our latest version of the manuscript: **TerraceM-3: Integrating machine learning and ICESat-2 altimetry to estimate deformation rates from wave-abrasion terraces.**

Following your suggestion, we included the added value of the machine-learning(ML) mapping tool of TerraceM. Specifically, we included additional details on the rationale and purpose behind ML, the use in diverse settings, the low computational requirements and carbon cost and its advantages for the broader geoscience community.

Rather than creating a separate section, we incorporated this additional information in the Human-Machine Interactions section (Section 3), where it is conceptually linked to the discussion. The revised manuscript is ~290 words longer than before.

We hope that these revisions satisfactorily address your recommendation and that the manuscript meets the high standards of **Earth Surface Dynamics**.

Best regards

Prof. Julius Jara-Muñoz in behalf of all coauthors