

Sediment connectivity in human-impacted vs. natural landscapes: a case study in a landslide-affected basin

In the images, S1-S4 report all the results for the Kolmogorov-Smirnov test that compares the connectivity index (CI) results calculated for shallow landslides trigger points for the four scenarios made in this work: land use weight (Figure 1S); no target (Figure 2S), hydrographic network (Figure 3S); road network (Figure 4S).

In Figure S6, using a 10x10 m grid and the dataset of Figure S5, we classified the landscape into five main classes: a terraced landscape, where the skeleton mask of terraces is prevalent; no terraced landscape, where the skeleton is not significant; roads, we also considerate hydrograph network and buildings for removing it from statistical analysis.

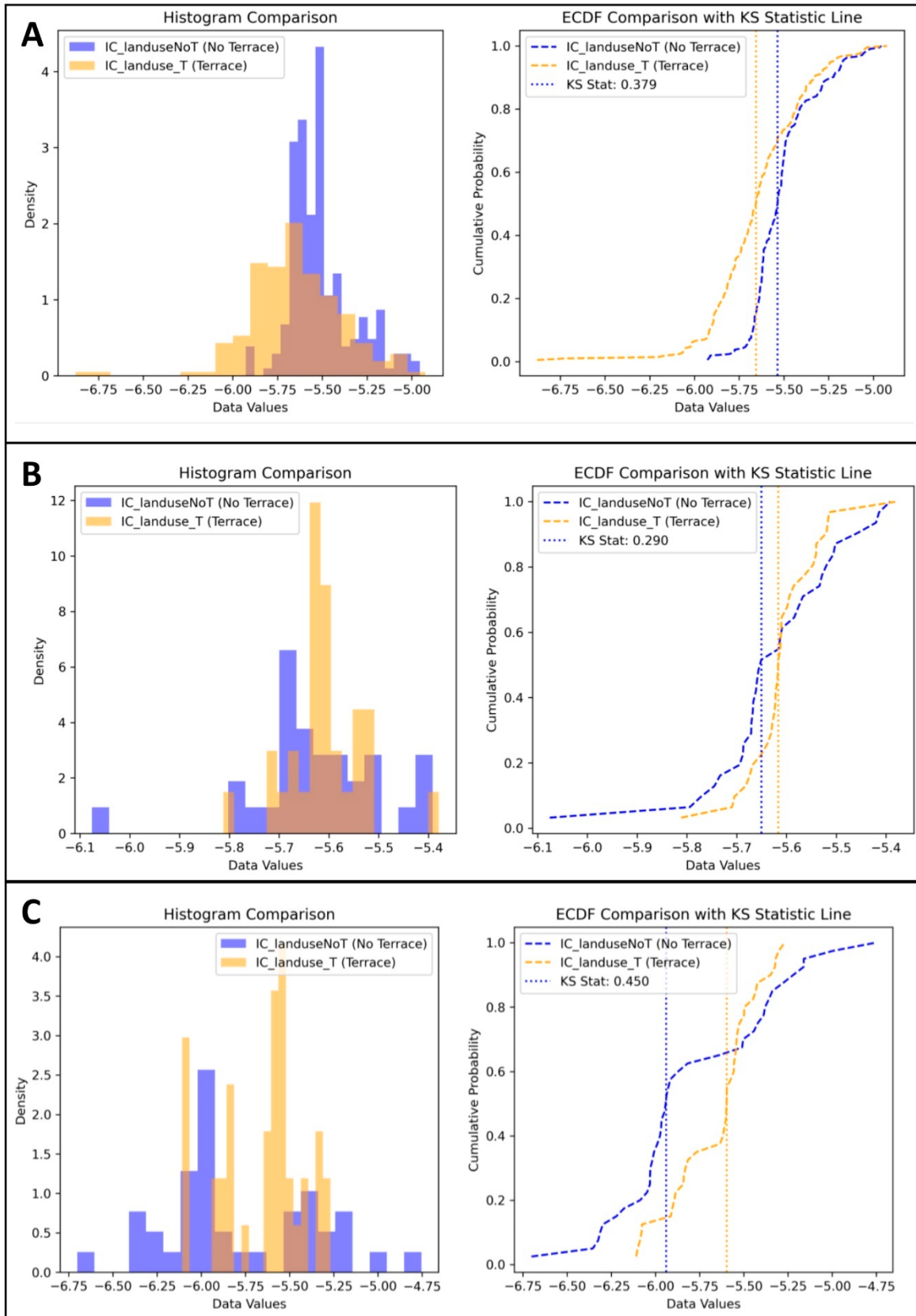


Figure S1. The Kolmogorov-Smirnov test, which compares CI_T with CI_{NoT} in lads-use weighted scenario calculated on trigger points classified as: A) Terrace; B) Road Upslope; C) Road Downslope

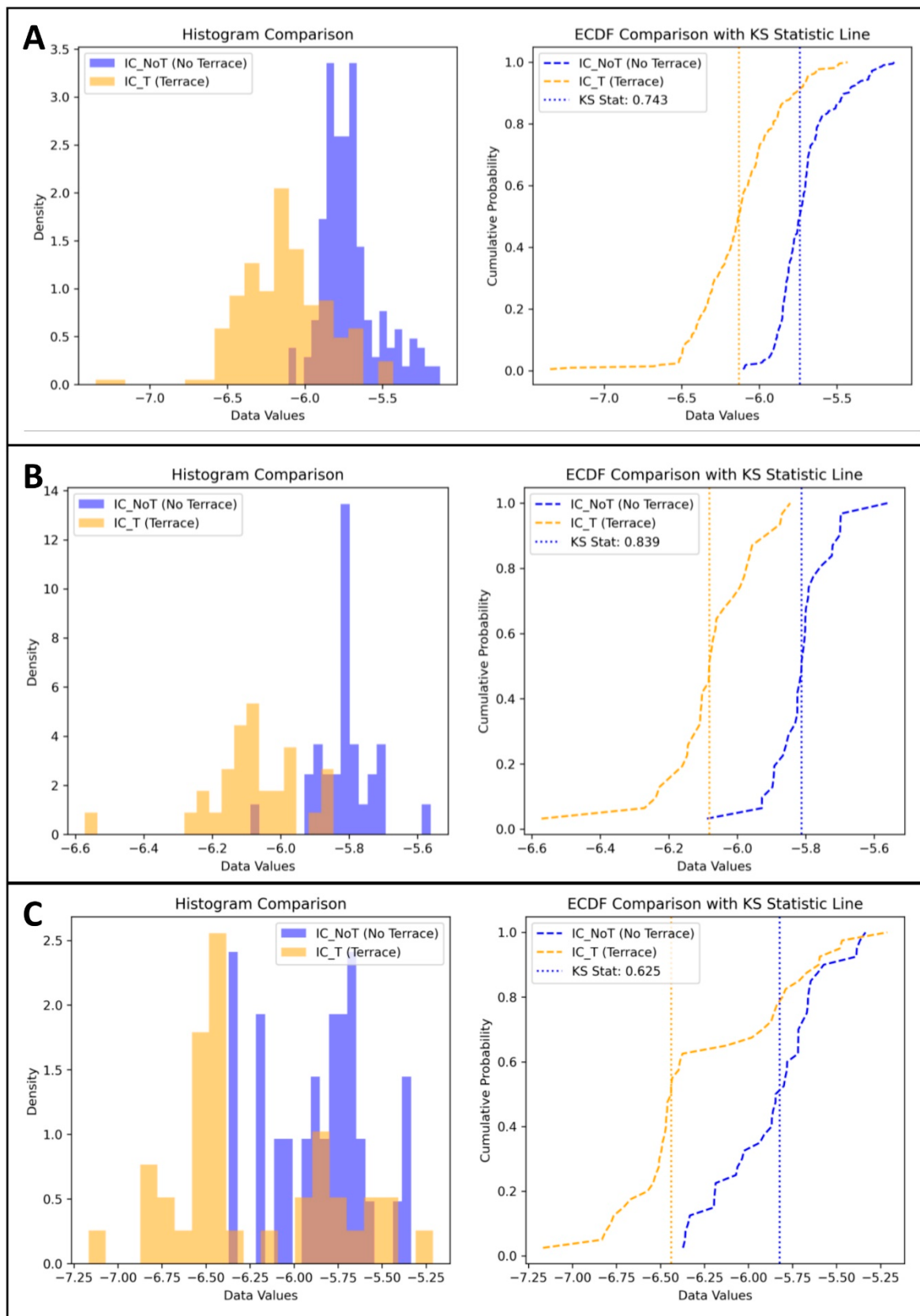


Figure S2. The Kolmogorov-Smirnov test, which compares CI_T with CI_{NoT} in no target scenario calculated on trigger points classified as: A) Terrace; B) Road Upslope; C) Road Downslope

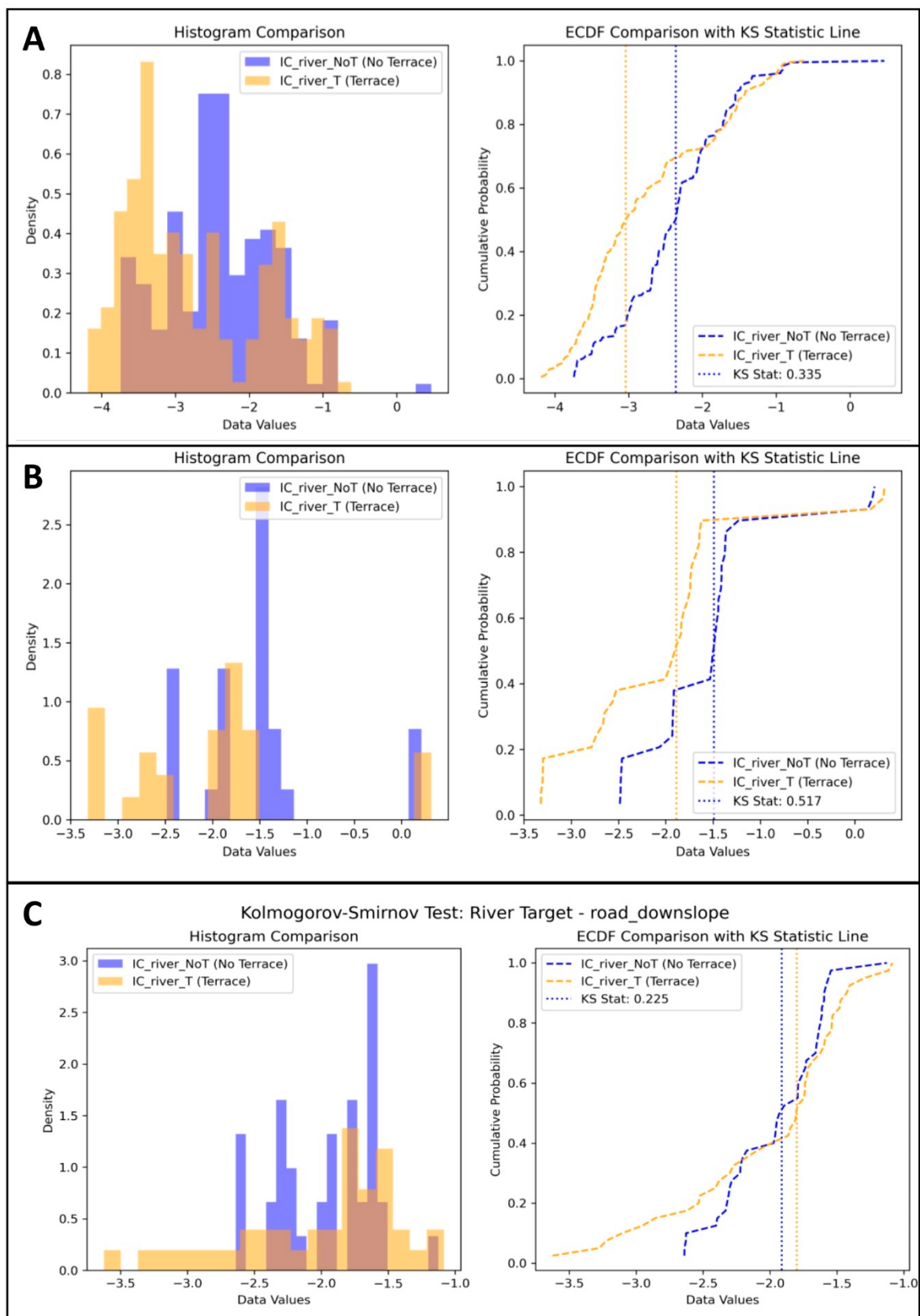


Figure S3. The Kolmogorov-Smirnov test, which compares CI_T with CI_{NoT} in hydrographic network target scenario calculated on trigger points classified as: A) Terrace; B) Road Upslope; C) Road Downslope

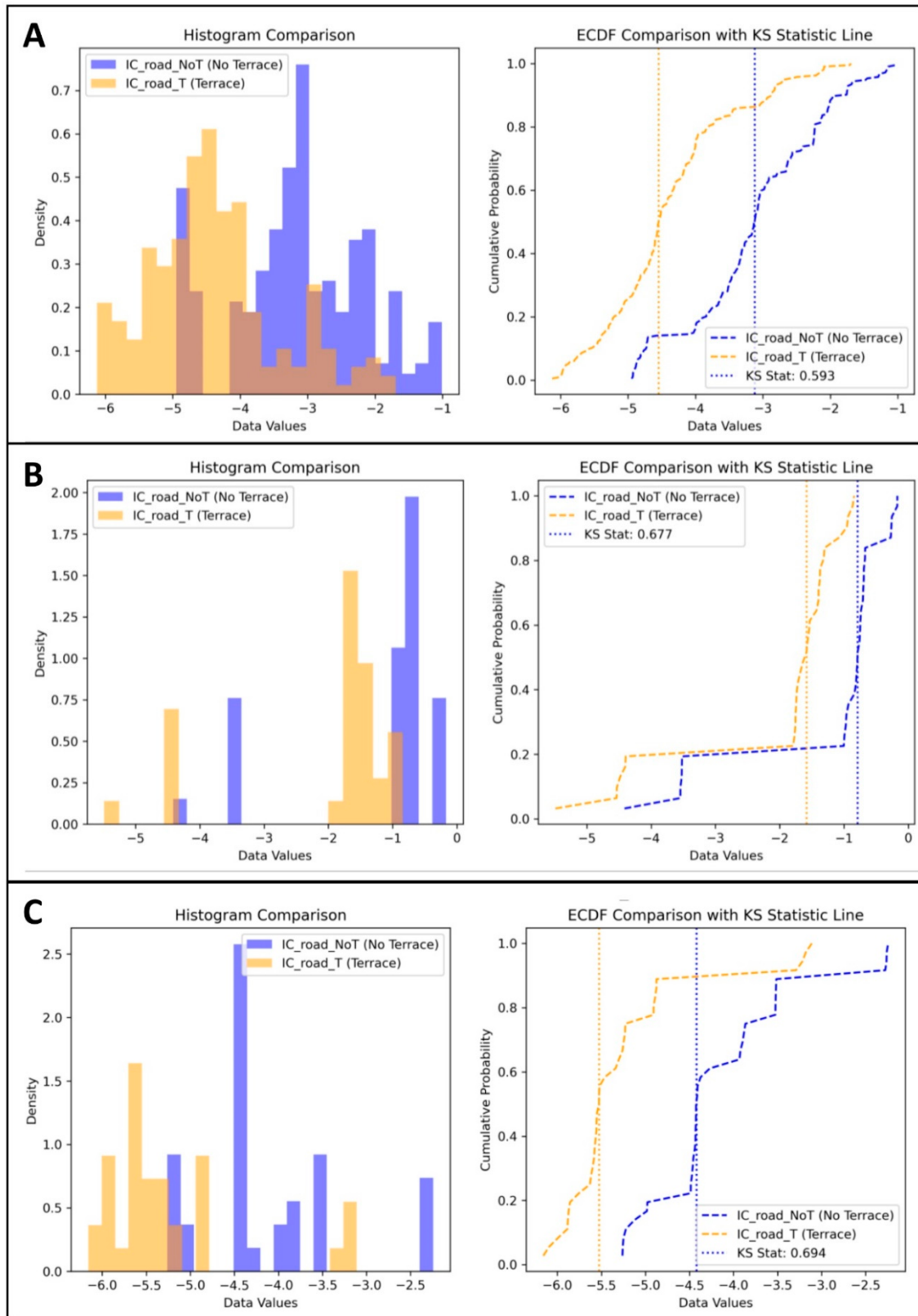


Figure S4. The Kolmogorov-Smirnov test, which compares CI_T with CI_{NoT} in road network target scenarios calculated on trigger points classified as: A) Terrace; B) Road Upslope; C) Road Downslope

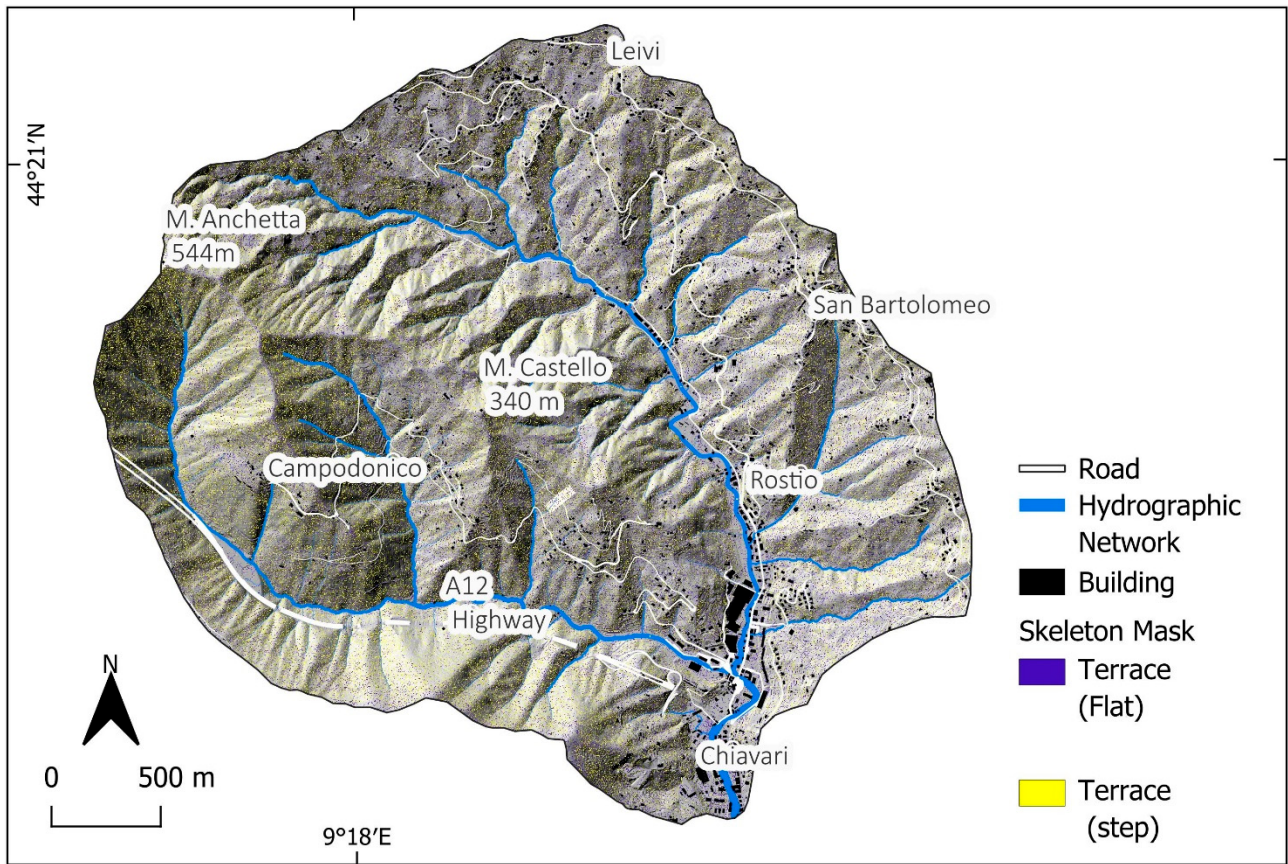


Figure S5. The datasets used to assess the landscape types are the skeleton mask of terraces (steps and flat), the roads and hydrographic network and the building dataset.

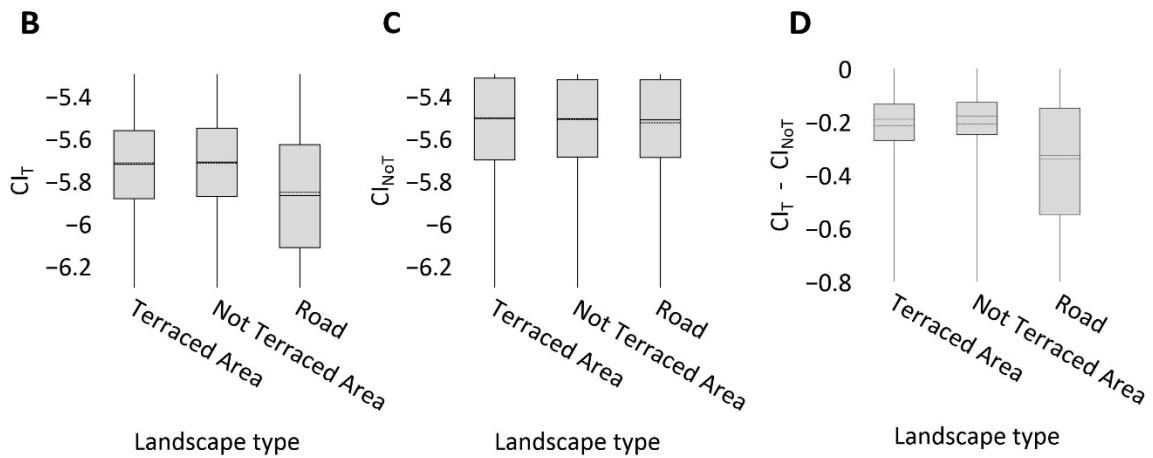
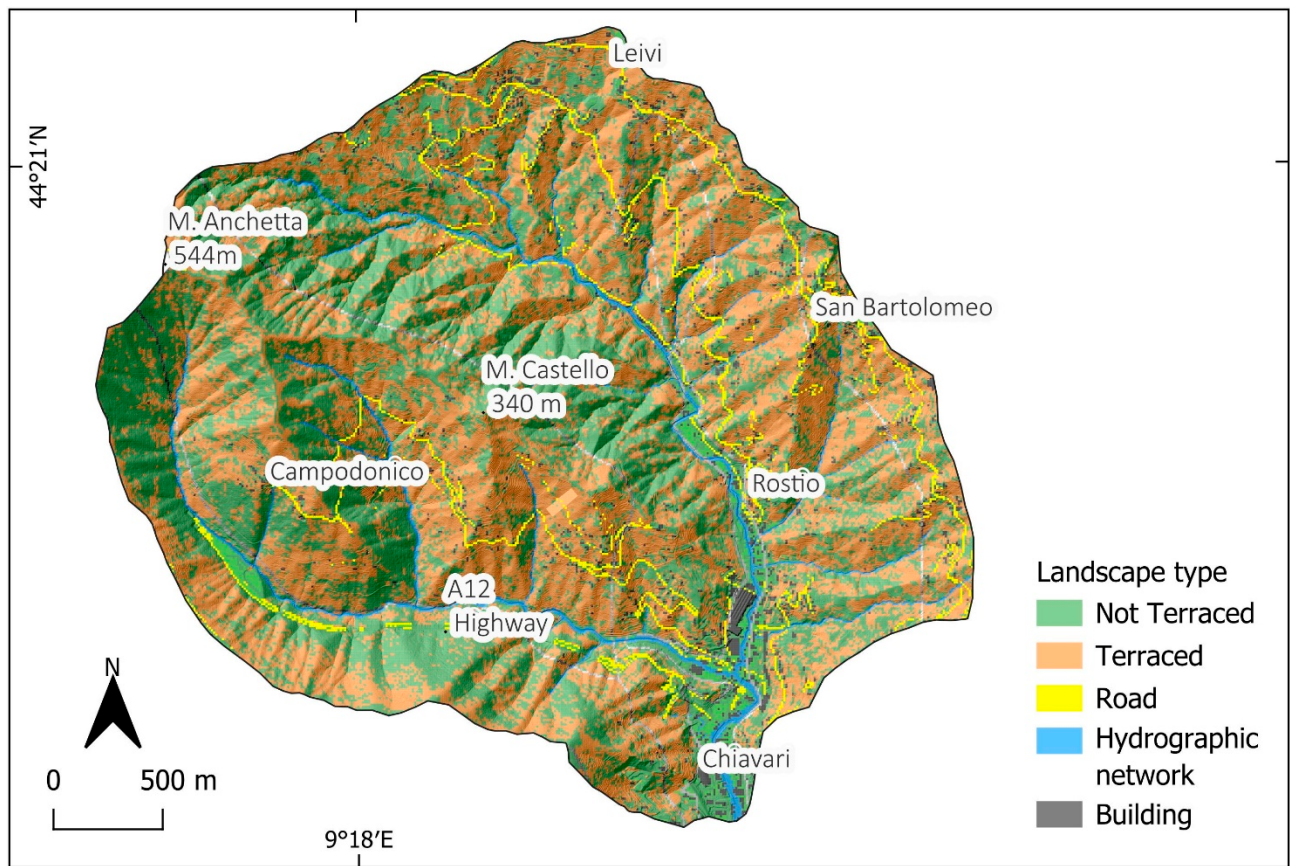


Figure S6. A) Landscape type based on 10x10 m grid. B) Box plot of CI_T (land use weight scenario) for the main land use type; C) Box plot of CI_{NoT} (land use weight scenario) for the main land use type; D) Box plot of $CI_T - CI_{NoT}$ for the main land use type