

SUPPLEMENTARY MATERIALS

Table S1. Correction method input and output files. Files are located within the path respective to each study area. The forest height and forest loss data were downloaded and processed dynamically using Google Earth Engine and python scripts.

Filename	Description
extent.gpkg	Extent of the study area
glo-30.tif	Copernicus DEM
glo-30_wbm.tif	Copernicus DEM water body mask
fabdem.tif	FABDEM
new_corrected_dem.tif	New corrected DEM

Table S2. Databases generated from the displacement areas of all study areas.

Filename	Description
stacked_dataframe_r_class_p.csv	Dataframe containing the displacement area extent of each DEM for all flow paths extracted from the drainage networks for all study areas and radius
selected_stacked_dataframe_r_class_p.csv	Dataframe containing the displacement area extent of each DEM for all selected from the flow paths sets for all study areas and radius

Table S3. Geopackage files containing the flow paths set for each radius and their respective displacement areas for each DEM. Files are located within the path respective to each study area.

Filename	Description
b1000_ref_flowpaths_r_class_p.gpkg	1000 m radius flow path set
b2000_ref_flowpaths_r_class_p.gpkg	2000 m radius flow path set
b3000_ref_flowpaths_r_class_p.gpkg	3000 m radius flow path set
b1000_corrected_polygons_r_class_p.gpkg	New corrected DEM displacement areas of the 1000 m flow path set
b1000_fabdem_polygons_r_class_p.gpkg	FABDEM displacement areas of the 1000 m radius flow path set
b1000_glo_polygons_r_class_p.gpkg	Copernicus DEM displacement areas of the 1000 m radius flow path set
b2000_corrected_polygons_r_class_p.gpkg	New corrected DEM displacement areas of the 2000 m radius flow path set
b2000_fabdem_polygons_r_class_p.gpkg	FABDEM displacement areas of the 2000 m radius flow path set
b2000_glo_polygons_r_class_p.gpkg	Copernicus DEM displacement of the 2000 m radius flow path set
b3000_corrected_polygons_r_class_p.gpkg	New corrected DEM displacement areas of the 3000 m radius flow path set
b3000_fabdem_polygons_r_class_p.gpkg	FABDEM displacement areas of the 3000 m radius flow path set
b3000_glo_polygons_r_class_p.gpkg	Copernicus DEM displacement areas of the 3000 m radius flow path set

Table S4. Geopackage files containing the selected samples from the flow paths set for each radius and their respective displacement areas for each DEM. Files are located within the path respective to each study area.

Filename	Description
selected_b1000_ref_flowpaths_r_class_p.gpkg	Selected samples from the 1000 m radius flow path set
selected_b2000_ref_flowpaths_r_class_p.gpkg	Selected samples from the 2000 m radius flow path set
selected_b3000_ref_flowpaths_r_class_p.gpkg	Selected samples from the 3000 m radius flow path set
selected_b1000_corrected_polygons_r_class_p.gpkg	New corrected DEM displacement areas of the samples selected from the 1000 m flow path set
selected_b1000_fabdem_polygons_r_class_p.gpkg	FABDEM displacement areas of the samples selected from the 1000 m radius flow path set
selected_b1000_glo_polygons_r_class_p.gpkg	Copernicus DEM displacement areas of the samples selected from the 1000 m radius flow path set
selected_b2000_corrected_polygons_r_class_p.gpkg	New corrected DEM displacement areas of the samples selected from the 2000 m radius flow path set
selected_b2000_fabdem_polygons_r_class_p.gpkg	FABDEM displacement areas of the samples selected from the 2000 m radius flow path set
selected_b2000_glo_polygons_r_class_p.gpkg	Copernicus DEM displacement of the samples selected from the 2000 m radius flow path set
selected_b3000_corrected_polygons_r_class_p.gpkg	New corrected DEM displacement areas of the samples selected from the 3000 m radius flow path set
selected_b3000_fabdem_polygons_r_class_p.gpkg	FABDEM displacement areas of the samples selected from the 3000 m radius flow path set
selected_b3000_glo_polygons_r_class_p.gpkg	Copernicus DEM displacement areas of the samples selected from the 3000 m radius flow path set