

Supplementary Materials: NDVI Analysis for Monitoring Land-cover Evolution on Selected Deglaciaded Areas in the Gran Paradiso Group (Italian Western Alps)

Simona Gennaro ^{1,†} , Riccardo Cerrato ^{2,†*} , Maria Cristina Salvatore ^{1,2} , Roberto Salzano ³ , Rosamaria Salvatori ⁴ , and Carlo Baroni ^{1,2} 

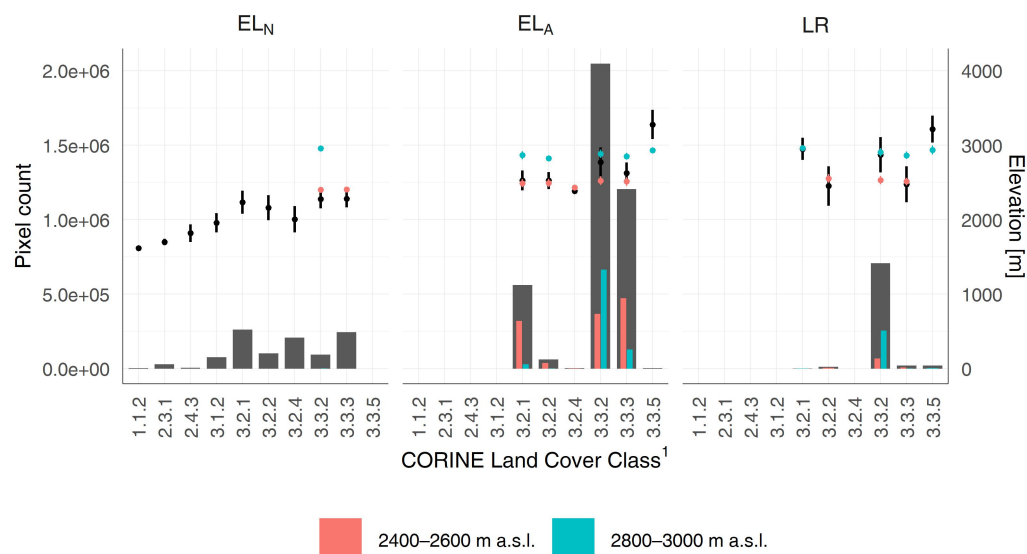


Figure S1. Number of analysed pixels grouped by deglaciaded area and CORINE 1990 land cover class. Dark bars identify the total number of pixels; dots identify the median elevation of the pixel groups together with their standard deviation.

¹ CORINE Land Cover class definition: 1.1.2 – Discontinuous urban fabric; 2.3.1 – Pastures; 2.4.3 – Land principally occupied by agriculture with significant areas of natural vegetation; 3.1.2 – Coniferous forest; 3.2.1 – Natural grasslands; 3.2.2 – Moors and heathland; 3.2.4 – Transitional woodland-shrub; 3.3.2 – Bare rocks; 3.3.3 – Sparsely vegetated areas; 3.3.5 – Glaciers and perpetual snow.

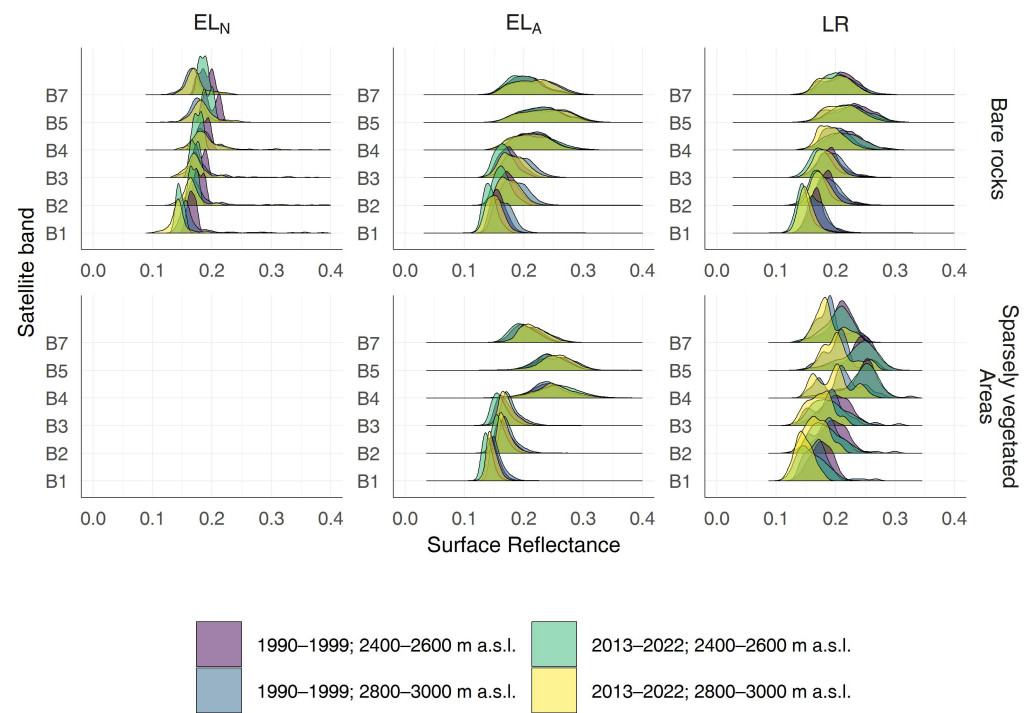


Figure S2. Density distribution of surface reflectance values. Bands' names were standardised compliant with the Landsat 4-5 Thematic Mapper definition.

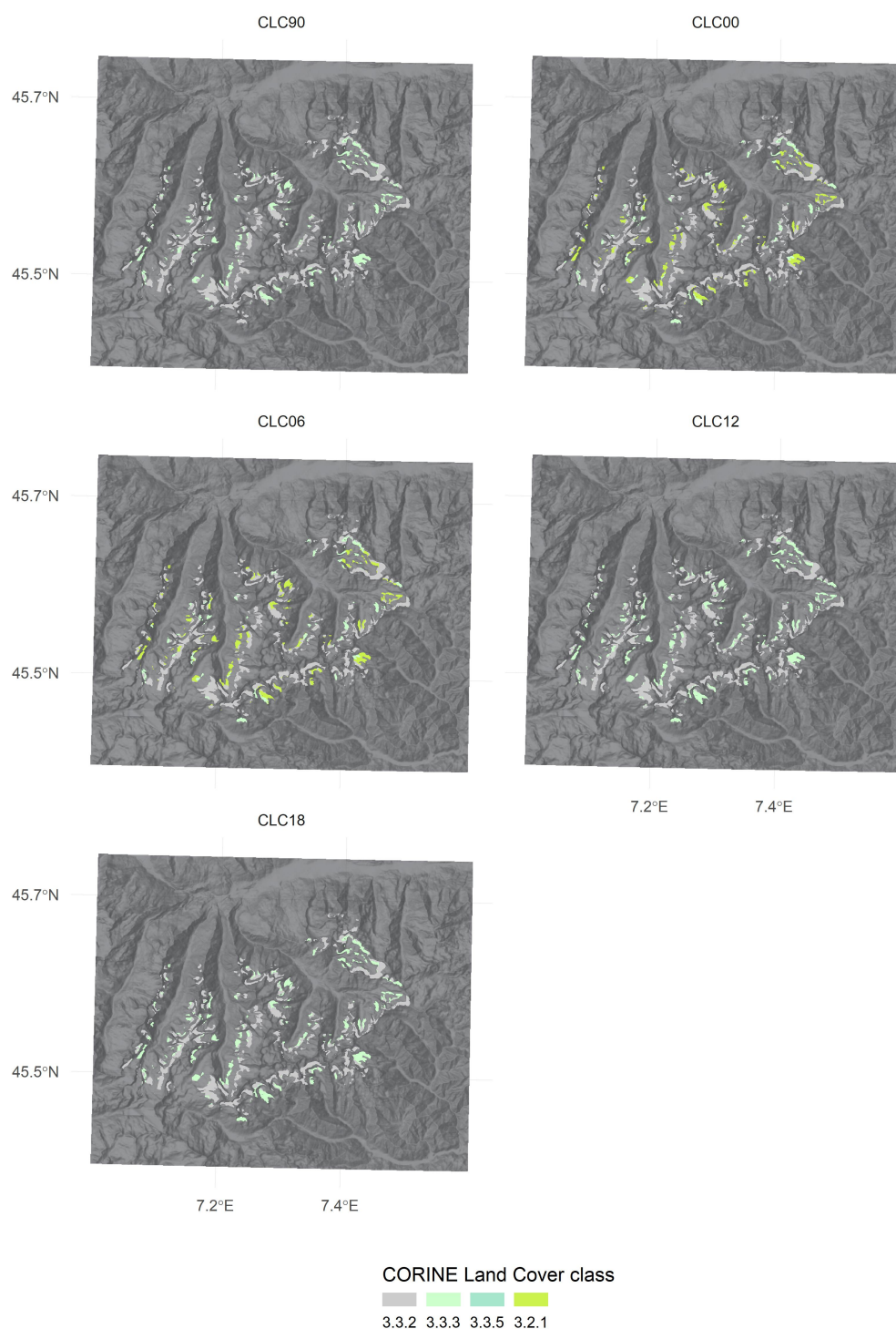


Figure S3. Spatial distribution of the CORINE Land Cover classes¹ of the pixels comprised in 2400–2600 and 2800–3000 m a.s.l. elevation belts. Only pixels classified as "bare rocks" and "sparsely vegetated areas" in CLC90 were considered. All CORINE Land Cover published datasets were compared (<https://land.copernicus.eu/pan-european/corine-land-cover>, accessed on 5 July 2023). Basemap: ESRI world hillshade (dark) (https://services.arcgisonline.com/arcgis/rest/services/Elevation/World_Hillshade_Dark/MapServer, accessed on 5 July 2023).

¹ CORINE Land Cover class definition: 3.3.2 – Bare rocks; 3.3.3 – Sparsely vegetated areas; 3.3.5 – Glaciers and perpetual snow; 3.2.1 – Natural grasslands.

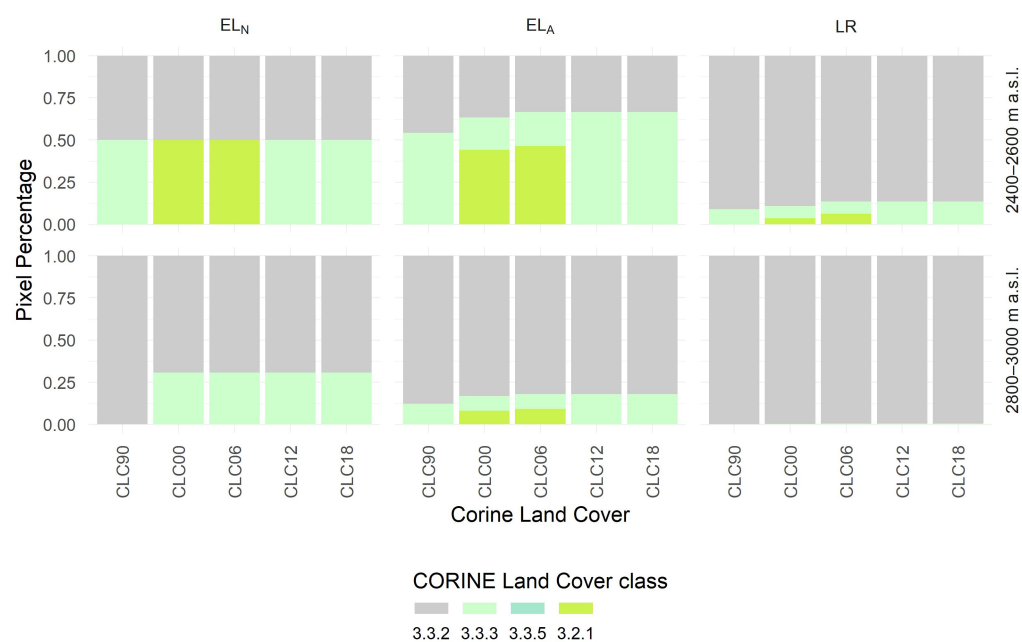


Figure S4. Distribution of the CORINE Land Cover classes¹ of the pixels comprised in 2400–2600 and 2800–3000 m a.s.l. elevation belts. Only pixels classified as "bare rocks" and "sparsely vegetated areas" in CLC90 were considered. All CORINE Land Cover published datasets were compared (<https://land.copernicus.eu/pan-european/corine-land-cover>, accessed on 5 July 2023). Basemap: ESRI world hillshade (dark) (https://services.arcgisonline.com/arcgis/rest/services/Elevation/World_Hillshade_Dark/MapServer, accessed on 5 July 2023).

¹ CORINE Land Cover class definition: 3.3.2 – Bare rocks; 3.3.3 – Sparsely vegetated areas; 3.3.5 – Glaciers and perpetual snow; 3.2.1 – Natural grasslands.