



Collection Overview:

The Switzerland Digital Elevation Model is a national high-resolution elevation dataset produced by swisstopo (the Federal Office of Topography of Switzerland). The dataset is derived from airborne lidar surveys and is available as both a Digital Terrain Model (DTM, swissALTI3D) and a Digital Surface Model (DSM, swissSURFACE3D Raster), each at 50 cm resolution covering Switzerland and the Principality of Liechtenstein. Both the DTM and DSM derive from the same single nationwide lidar campaign conducted by swisstopo in six stages over approximately seven years (spring 2017 to late 2025). Both products are published under an Open Government Data (OGD) license and are freely available for commercial and non-commercial use.

For more information about this dataset:

- [Federal Office of Topography swisstopo](#)
- [swissALTI3D Raster \(DTM\)](#)
- [swissSURFACE3D Raster \(DSM\)](#)

Horizontal Coordinates: CH1903+ / LV95 [EPSG: 2056]

Vertical Coordinates: LN02 height [EPSG: 5728]

Units: meter

Collection Platform: Airborne Lidar Dataset

Acknowledgement: *Data provided by the Federal Office of Topography swisstopo. Use of this data is subject to swisstopo's terms of use for free geodata and geoservices*

(<https://www.swisstopo.admin.ch/en/terms-of-use-free-geodata-and-geoservices>). Source attribution "Federal Office of Topography swisstopo" is required when using or reproducing this data.

Data Access Note: OpenTopography does not host the Switzerland 50 cm DEM locally. Instead, data files are accessed dynamically and in real time directly from swisstopo's servers at the time of each request. While this ensures users always receive the most current data available, it also means that access is dependent on the availability of the swisstopo download service. In the event of connectivity issues or service interruptions on swisstopo's end, some requests may fail or return incomplete results. If you experience unexpected errors, we recommend trying again later or contacting OpenTopography at info@opentopography.org or swisstopo at info@swisstopo.ch.