

List of altitude databases:

1. SRTM: (Shuttle Radar Topography Mission)

Accuracy: 30 meters (1-arc-sec) for most regions, 90 meters (3-arc-sec) for some regions

Access through: Accessible through USGS Earth Explorer, NASA Earth Data and OpenTopography

Open Source? Yes

2. ASTER: (Advanced Spaceborne Thermal Emission and Reflection Radiometer) GDEM

Accuracy: 30 meters (1-arc-sec)

Access through: Nasa Earth Data,

Open Source? Yes

3. Copernicus DEM (Digital Elevation Model):

Accuracy: 10 meters (0.3-arc-sec) for 39 European countries (EEA-10), 30 meters (1-arc-sec) for Global Coverage (GLO-30)

Access through: Copernicus Data Space Ecosystem

Open Source? GLO-30 YES!

EEA-10 Copernicus Services

EU institutions

Space research projects (EU funded)

Non-space research projects (EU funded)

Copernicus operators

4. Google Earth Engine:

Accuracy: 30 meters

Access through: Google Earth / Earth Engine API

Open Source? While the core Google Earth Engine platform is not open source, the client libraries for JavaScript and Python are, allowing users to build custom applications and develop code locally using these languages