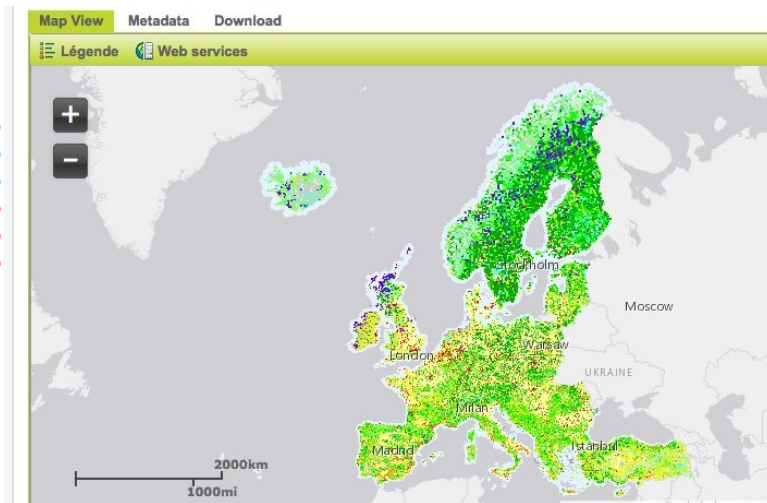


Copernicus Land Monitoring Service



SOURCE

<https://land.copernicus.eu/en/dataset-catalog>

DEVELOPER

Copernicus Programme of the EU, implemented by the European Space Agency (ESA) and the European Environment Agency (EEA)

TYPE OF RESOURCES

Database

AVAILABLE FOR FREE/LICENSE

Entirely free

USER FRIENDLINESS

User-friendly

SHORT DESCRIPTION

The Copernicus Land Monitoring Service provides geospatial information on land cover and land use across Europe. It offers harmonized land cover and land use datasets to support spatial and environmental planning, aiding in the selection of optimal sites for cold storage facilities.

PHASE OF THE H&C PLAN

Baseline assessment: The Building Height Raster and the Destination use of buildings Vector can be used in energy simulation tools to evaluate H&C demand and consumption

OUTPUT OF THE TOOL

- Building Height Raster [m]
- Destination use of buildings Vector

REQUIRED INPUT

Selected area

MAIN ADVANTAGES

- Geospatial coverage of Europe: detailed land use and land cover data for cities and peri-urban zones
- Free and official EU dataset: ensures harmonization and relevant data
- Essential for urban energy planning: inputs for zoning, demand estimation, green space assessment

MAIN DISADVANTAGES

- The datasets are periodically updated but not real-time or dynamic.
- Outputs must be used in other platforms to simulate energy systems or cooling strategies.

