

## **Some (almost) globally available open datasets**

- Population and Urban Growth:
  - o <https://human-settlement.emergency.copernicus.eu/download.php>
  - o <https://www.worldpop.org/databatalog/>
  - o <https://data.worldpop.org/GIS/>
- OpenStreetMap: amenities, transit stops, facilities and more
  - o QuickOSM Plugin in QGIS
  - o [https://wiki.openstreetmap.org/wiki/Map\\_features](https://wiki.openstreetmap.org/wiki/Map_features)
  - o <https://www.openstreetmap.org/>
  - o <https://overpass-turbo.eu/>
- OvertureMaps (Building footprints, points of interests, land use, water bodies, parks, street network and others):
  - o <https://overturemaps.org/>
  - o <https://docs.overturemaps.org/schema/>
  - o <https://github.com/OvertureMaps/overturemaps-py>
  - o [https://upload.wikimedia.org/wikipedia/commons/f/fe/A\\_turbo\\_introduction\\_to\\_Overpass\\_%28with\\_notes%29.pdf](https://upload.wikimedia.org/wikipedia/commons/f/fe/A_turbo_introduction_to_Overpass_%28with_notes%29.pdf)
- Global ML Building Footprints:
  - o <https://github.com/microsoft/GlobalMLBuildingFootprints>
  - o <https://sites.research.google/gr/open-buildings/>
- Google Earth Engine useful layers
  - o Land Cover:  
[https://developers.google.com/earth-engine/datasets/catalog/COPERNICUS\\_Landcover\\_100m\\_Proba-V-C3\\_Global](https://developers.google.com/earth-engine/datasets/catalog/COPERNICUS_Landcover_100m_Proba-V-C3_Global)

- Urban Heat Island:  
[https://developers.google.com/earth-engine/datasets/catalog/YALE\\_YCEO\\_U\\_HI\\_Summer\\_UHI\\_yearly\\_pixel\\_v4](https://developers.google.com/earth-engine/datasets/catalog/YALE_YCEO_U_HI_Summer_UHI_yearly_pixel_v4)
  - Floods:  
[https://developers.google.com/earth-engine/datasets/catalog/GLOBAL\\_FLOOD\\_DB\\_MODIS\\_EVENTS\\_V1](https://developers.google.com/earth-engine/datasets/catalog/GLOBAL_FLOOD_DB_MODIS_EVENTS_V1)
  - Drought index:  
[https://developers.google.com/earth-engine/datasets/catalog/IDAHO\\_EPSCOR\\_TERRACLIMATE](https://developers.google.com/earth-engine/datasets/catalog/IDAHO_EPSCOR_TERRACLIMATE)
  - Pollutant risk:
    - NO2:  
[https://developers.google.com/earth-engine/datasets/catalog/COPERNICUS\\_S5P\\_OFFL\\_L3\\_NO2](https://developers.google.com/earth-engine/datasets/catalog/COPERNICUS_S5P_OFFL_L3_NO2)
    - SO2:  
[https://developers.google.com/earth-engine/datasets/catalog/COPERNICUS\\_S5P\\_OFFL\\_L3\\_SO2](https://developers.google.com/earth-engine/datasets/catalog/COPERNICUS_S5P_OFFL_L3_SO2)
    - PM2.5:  
[https://gee-community-catalog.org/projects/global\\_pm25/#key-features](https://gee-community-catalog.org/projects/global_pm25/#key-features)
- Earthquake risk:
  - <https://earthquake.usgs.gov/fdsnws/event/1/query>
- Wildfire risk:
  - <https://firms.modaps.eosdis.nasa.gov/api>
- Armed conflicts:
  - <https://api.acleddata.com/acled/read>
- Temperature and Precipitation:
  - <https://dev.meteostat.net/sources.html>