

Examples of Core Geospatial Datasets

A. About Our Physical World

1. Climate & Weather

Bioclim – <http://www.worldclim.org/bioclim>

NOAA National Centers for Environmental Information –
<http://www.ncdc.noaa.gov/data-access/quick-links>

PRISM – <http://www.prism.oregonstate.edu/>

Weather Underground – <http://www.wunderground.com/weather/api>

2. Elevation

3DEP – <http://nationalmap.gov/3DEP/>

ASTER GDEM – <https://asterweb.jpl.nasa.gov/gdem.asp>

NED – <http://ned.usgs.gov/>

OpenTopography (includes LiDAR) – <http://www.opentopography.org/>

SRTM – <http://www.jpl.nasa.gov/srtm>

The Earth's Relief – <http://www.theearthsreleif.com>

3. Geology & Soil

USDA-NRCS Web Soil Survey – <http://websoilsurvey.nrcs.usda.gov/>

USGS Geology – check with state geospatial centers

4. Hydrography

NHD – <http://nhd.usgs.gov>

NHDPlus – <http://www.horizon-systems.com/nhdplus/>

WBD – <http://nhd.usgs.gov/wbd.html>

5. Land Cover

National Gap Analysis Program – <http://gapanalysis.usgs.gov/>

NLCD – <http://www.mrlc.gov/>

6. Volunteered & Ambient Geographic Information

eBird – <http://ebird.org/content/ebird/>

iNaturalist – <http://www.inaturalist.org/>

B. About Our Human World

1. People

American Community Survey – <https://www.census.gov/programs-surveys/acs/>

Census – <http://www.census.gov/2010census/>

Esri Tapestry Segmentation – <http://www.esri.com/data/tapestry>

Land Scan – <http://web.ornl.gov/sci/landscan/>

Natural Earth - <http://www.naturalearthdata.com/>

NHGIS – <http://web.ornl.gov/sci/landscan/>

2. Buildings

Address Points – check with county geospatial centers

Building Outlines – check with county geospatial centers

Parcel Data – check with county assessor offices and/or geospatial centers

3. Transportation Networks

Esri Premium Streets – <http://www.esri.com/data/streetmap>

OpenStreetMap – <http://www.openstreetmap.org/>

TIGER – <https://www.census.gov/geo/maps-data/data/tiger.html>

4. Commerce & Employment

Esri Business Analyst – <http://www.esri.com/software/businessanalyst>

5. Satellite Imagery

LANDSAT – <http://landsat.usgs.gov/>

6. Noise & Nightlights

DMSP-OLS Nighttime Lights – <http://ngdc.noaa.gov/eog/dmsp.html>

National Park Service Sound Map –

<http://irma.nps.gov/DataStore/Reference/Profile/2217356>

Nightsat – http://ngdc.noaa.gov/eog/night_sat/nightsat.html

VIIRS DNB (Day-Night Band) –

http://ngdc.noaa.gov/eog/viirs/download_monthly.html

7. Volunteered & Ambient Geographic Information

Natural Earth - <http://www.naturalearthdata.com/>

OpenStreetMap – <http://www.openstreetmap.org/>

Wikimapia – <http://wikimapia.org/>

C. Other Kinds of Geospatial Data

1. Administrative Boundaries

GADM – <http://www.gadm.org/>

2. Atlases

Esri Living Atlas – <http://livingatlas.arcgis.com/>

3. Gazetteers

GeoNames – <http://www.geonames.org>

NGA GEOnet Names Server – <http://geonames.nga.mil/gns/html/>

USGS Geonames – <http://geonames.usgs.gov/>

4. Linked Data

DBpedia – <http://wiki.dbpedia.org>

LinkedGeoData – <http://linkedgeo.org/>

5. Maps

David Rumsey Map Collection – <http://www.davidrumsey.com/help>

National Library of Scotland – <http://maps.nls.uk>

Old Maps Online – <http://www.oldmapsonline.org>

USGS Historical Topographic Maps – <http://ngmdb.usgs.gov/maps/TopoView/>

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