**JOSM SLD Editor MapSCII OsmAnd** Input **MapSlicer** 52North SOS **GPSPrune** MapBender GeoMoose **QField** openstreetmap website istSOS MapIgniter 2 SHOGun2 Geomajas Cartaro MapLibre GL GeoExt Potree (pointcloud) Mago3D osgEarth iTowns **NASA WorldWind** TileMill MapGuide Mapnik **Cesium JS** Marble GeoDjango deegree **CartoDB** GeoMoose **OpenLayers** IndoorGML Leaflet MapBender Actinia **GeoNetwork** mapproxy (cache) GeoNode pycsw t-rex (MVT) TilerServer-GL GeoSPARQL GeoWebCache **QGIS Server** ZooProject MapCache **OpenMapTiles MapServer** GeoServer pyWPS MapTiler PHP GeoSPARQL QGIS **ILWIS** ncWMS2 (netCDF) DivaGIS (uDIG) **SAGA GIS Orbis GIS** Descriptor (SLD) Whitebox GAT Keyhole Markup Language (KML) (Geospatial Analysis GeoJSON CityGML **GRASS GIS** Tools) Legend Not categorized map catalogs GeoDa **MapWindow GIS** web map providers **Mobile Applications** OpenJUMP (Java **Desktop Applications Geospatial CMS Unified Mapping** Platform) web map environments libraries gvSIG development framework database technologies Service (WCS) Terralib (spatio-GeoWave Merkaartor (OSM, temporal) MDAL (mesh) (scalability, store) map) **Point Cloud Library** PCL (pointcloud) Osmium (OSM, edit) **Cartopy (process)** Geopandas PDAL / Liblas (operation) (pointcloud) Nominatim (OSM, geocoding) Fiona (raster, vector) **Orfeo Toolbox** CGAL (geometry, (Remote Sensing) algorithm) Shapely (Analysis, **Manipulation**) **GDAL/OGR** (translator, vector, Cairo (vector raster) - <u>SW LIST</u> <u>USING GDAL</u> graphics) GeoTools (geometry) numpy (array, raster) **Generic Mapping** Pelias (geocoding, Tool - GMT (grid, Web Map Service (WMS) JTS (Java Topology elastic search) **Mapping Package -**Suite) / GEOS raster) Octave (raster) (operations) - APPS **PostGIS USING GEOS** (manipulating, operation) - <u>SWs</u> CAN USE POSTGIS **OpenSceneGraph** (3D, modelling) **CQL Filter Editor** R (statistics) GeoTIFF proj **PostGIS** pgRouting **BaseLayers** pgmodeler OrientDB **DBeawer** ArangoDB **SpatiaLite** Rasdaman (SQLite)

Years