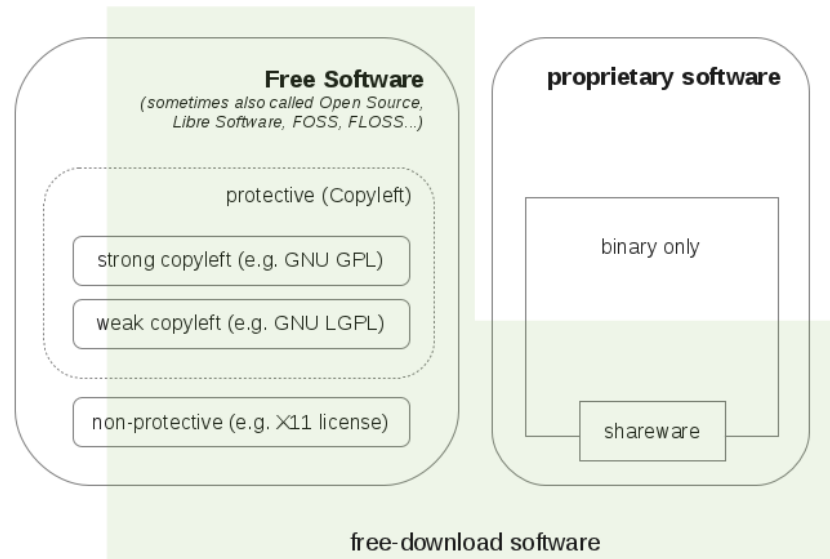


Beyond mapping! Reusing OpenStreetMap Data and FOSS4G

Open Source Software and Open Education making use of
OpenStreetMap data

Enock Seth Nyamador <open@enockseth.co>





Source: Free Software Foundation Europe



Source: Why use Free Software – SFD



Open Source Geospatial Foundation
Free, Open, Self-organizing, Global

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Passionate membership of individuals from around the world.
- **OSGeo promotes adoption of open geospatial technology**
Partnerships on open approach to software, standards, data and education.

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- Founding members: leading open source geospatial projects - GDAL, MapServer, QGIS, GRASS GIS, PostGIS



Supporting Open Source Software development

OSGeo projects

Projects are the OSGeo core focus

25 graduated through a rigorous incubation:

- **Web Mapping:** deegree, Geomajas, GeoMoose, GeoServer, Mapbender, mapfish, MapServer, MapGuide Open Source*, OpenLayers, PyWPS
- **Desktop:** GRASS GIS, gvSIG Desktop, Marble, QGIS Desktop
- **Libraries:** GDAL/OGR, GEOS, GeoTools, Orfeo ToolBox
- **Spatial Database, metadata catalogs, other:** GeoNetwork, GeoNode, OSGeoLive, PostGIS, pycsw



OSGeo projects

20 Community projects, 6 are in incubation (*)

- **Libraries:** actinia, Pronto Raster, Proj*, FDO, Pronto Raster, OSSIM, pgRouting
- **Web Mapping:** istSOS*, ZOO-project*, Oskari*, GeoWebCache, GC2/Vidi
- **Desktop:** OSGeo4W, Opticks*
- **Other:** GeoServer Client PHP, MetaCRS*, Loader, GeoHealthCheck, Portable GIS, TEAM Engine*





OSGeo Projects love OSM Data



GDAL OSM Support

OpenLayers / Leaflet OSM Support

OSM based Services as Basemap f.e Mapbender

pgRouting on OSM data

OSM Users love OSGeo Projects



QGIS visualisation & import & lot of possibilities & plugins

a variety of Software for different needs

FOSS4G

OpenStreetMap + FOSS4G

dancing - singing - musical - pub race



Ana Leticia

@AnaLeticiaGIS

Good times 🥰😍💕 #foss4g2019



Community Sprint in Dar es Salaam

The FOSS4G 2018 Community Sprint was held in Dar es Salaam at dLAB Tanzania September 1 to 2, the weekend after the closing sessions of FOSS4G. This sprint brought together nearly 70 members of the OSGeo community, HOT and students from closeby.



Community sprint at FOSS4G 2018 Dar es Salaam (Tanzania)



Fotos: Astrid Emde

Community sprint at FOSS4G 2018 Dar es Salaam (Tanzania)

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- **MoUs** with 15+ organizations

GeoForAll

OSGeo educational initiative

Global network of academic research and education laboratories and government/industry partners



GeoForAll

Mission and goals

Making geospatial education and opportunities accessible to all

- Create research and teaching opportunities in open geospatial science
- Build global open access teaching and research infrastructure
- Establish collaborations between academia, government and industry around open geospatial science and education

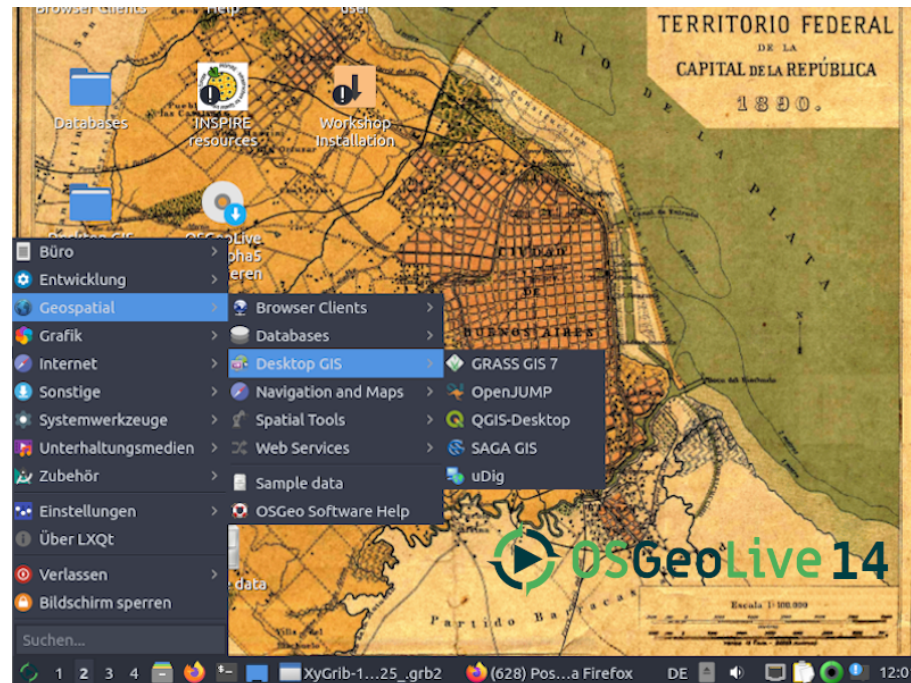
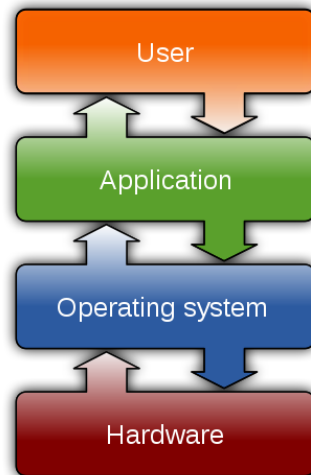
Map of the labs 2017

over 100 labs globally in 2017





OSGeoLive 14.0 is out! Ubuntu 20.04
contains 50+ Open Source Software for Geospatial
Data & Dokumentation (Quickstart & Overview)





OSM Data from the region of the actual FOSS4G
iD Editor, JOSM, Mapnik



<https://live.osgeo.org>



Free/Libre and Open Source Software (FOSS)
Copyleft Mayuri 2004

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