OSGeoLive Project Report

Your Open Source Geospatial Toolkit

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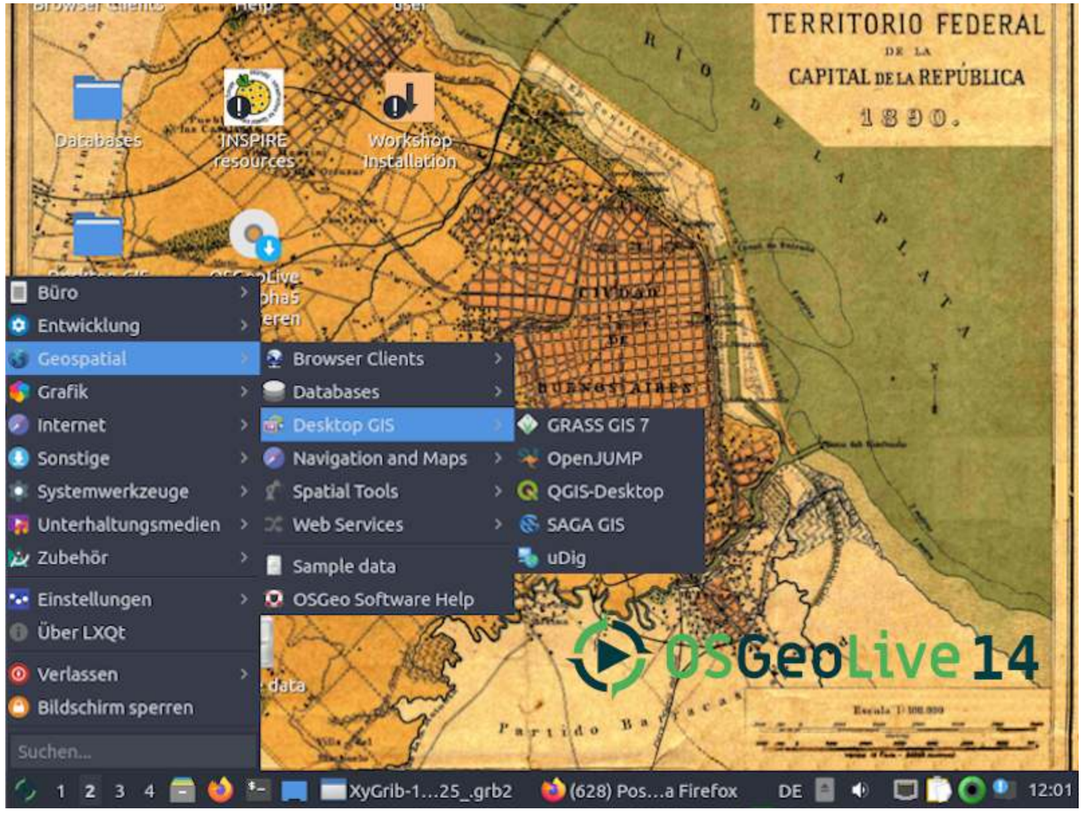
OSGeoLive Team

FOSS4G 2021 Buenos Aires

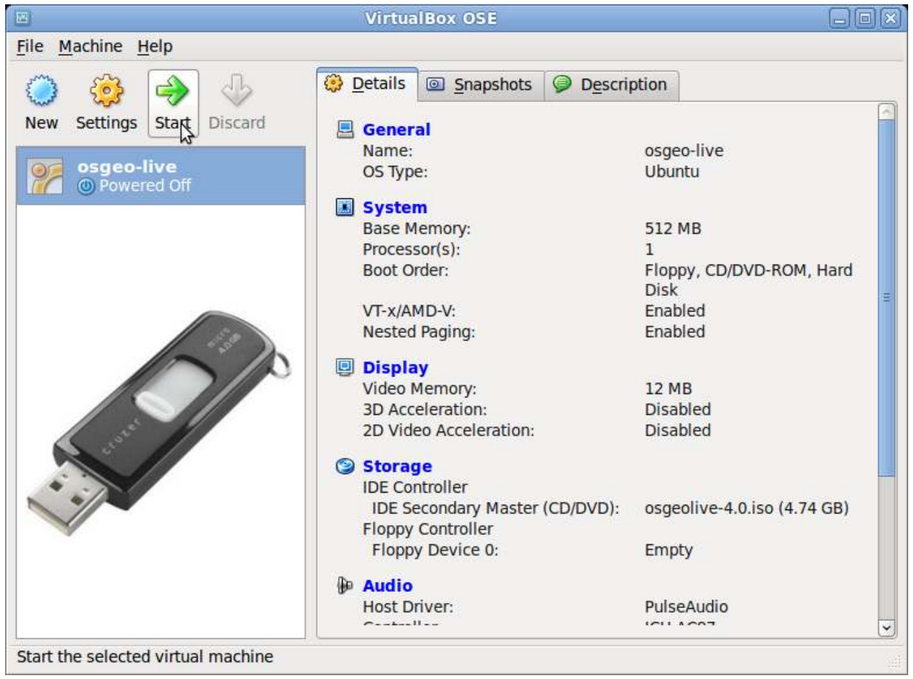
What is OSGeoLive?



Components on OSGeoLive

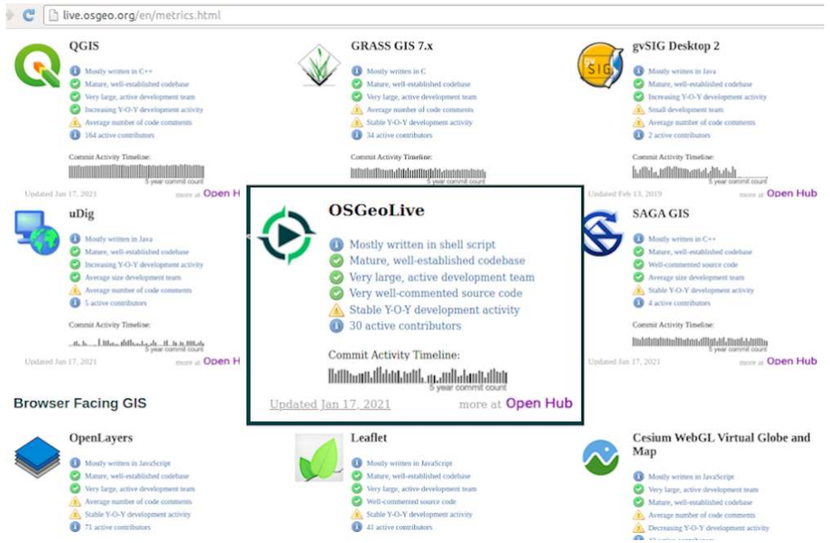
- 50+ Open Source Geospatial Applications
- Sample Datasets
- Consistent Overviews & Quickstarts
- Translations

DVD / USB / Virtual Machine

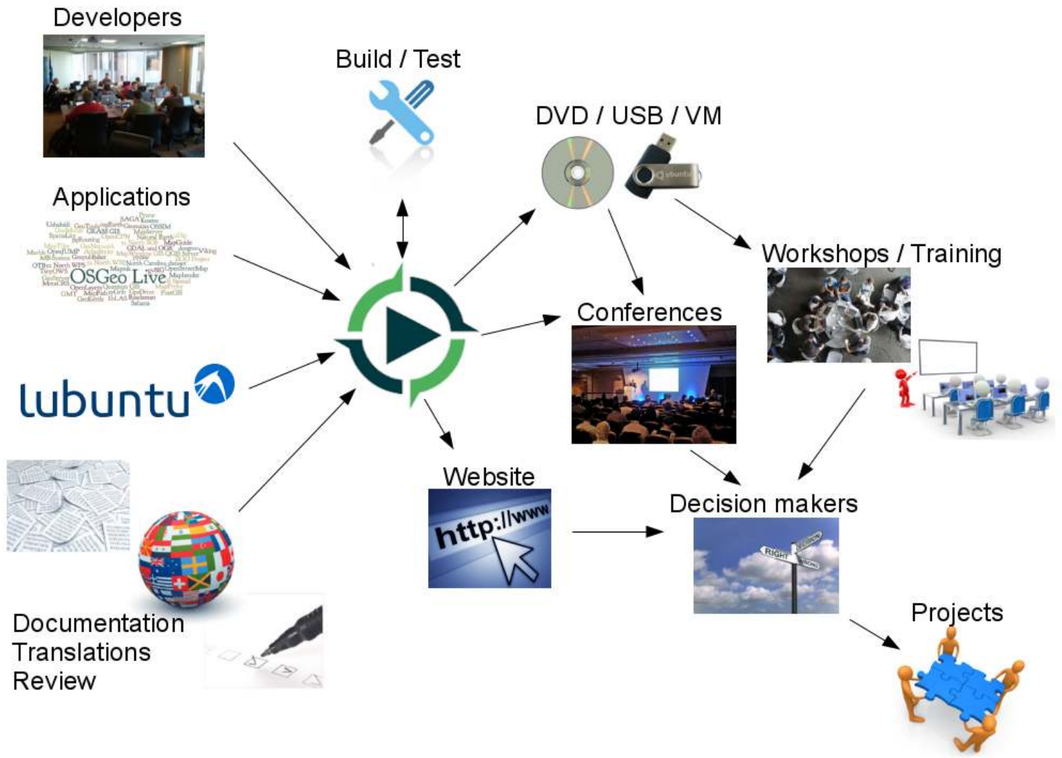


Quality Criteria

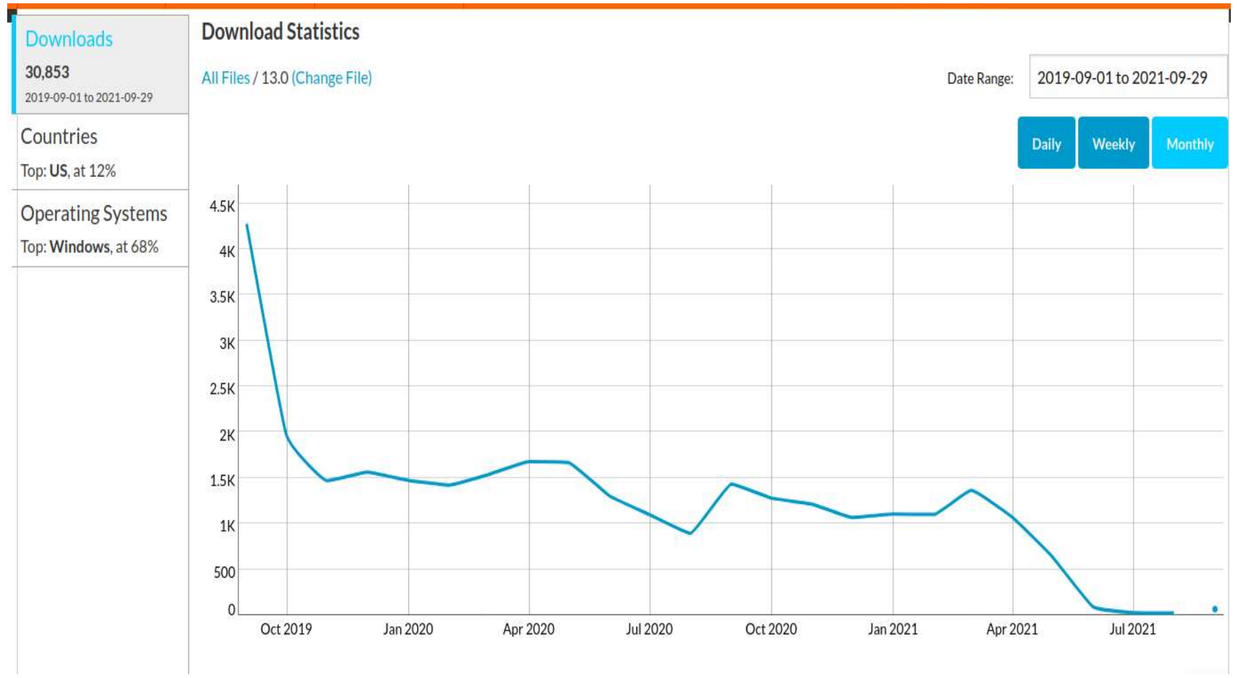
- Established, stable, working software
- Active community
- Metrics



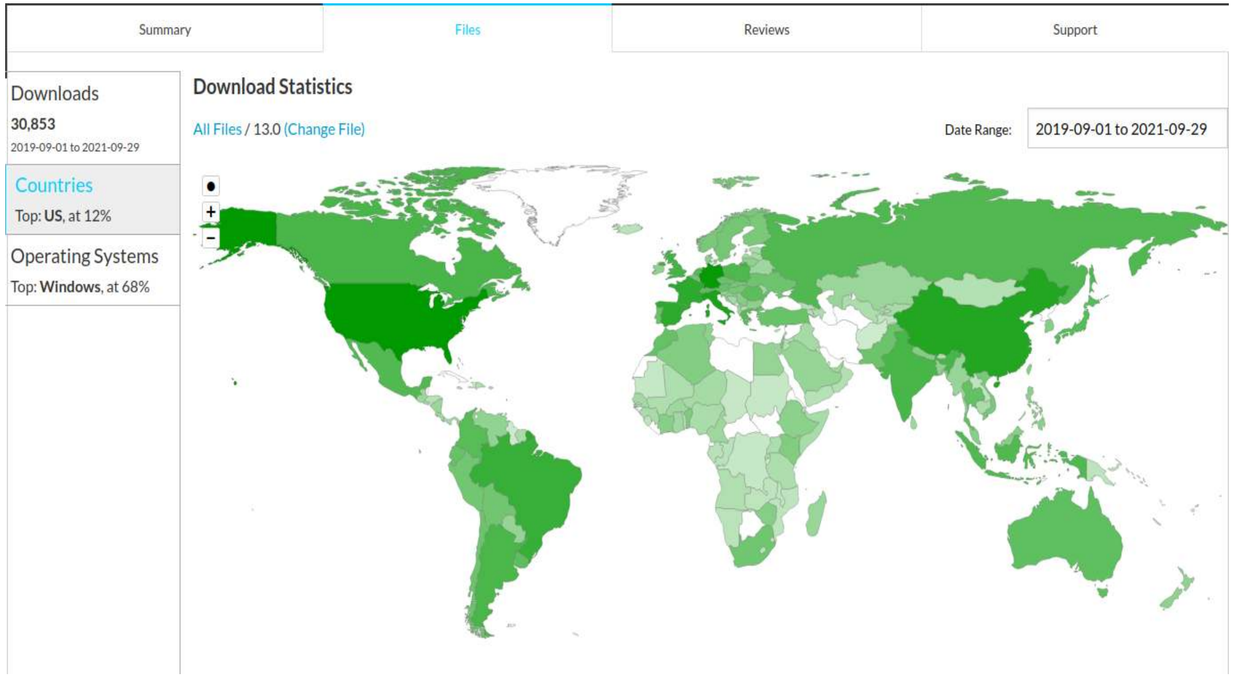
Production & Marketing



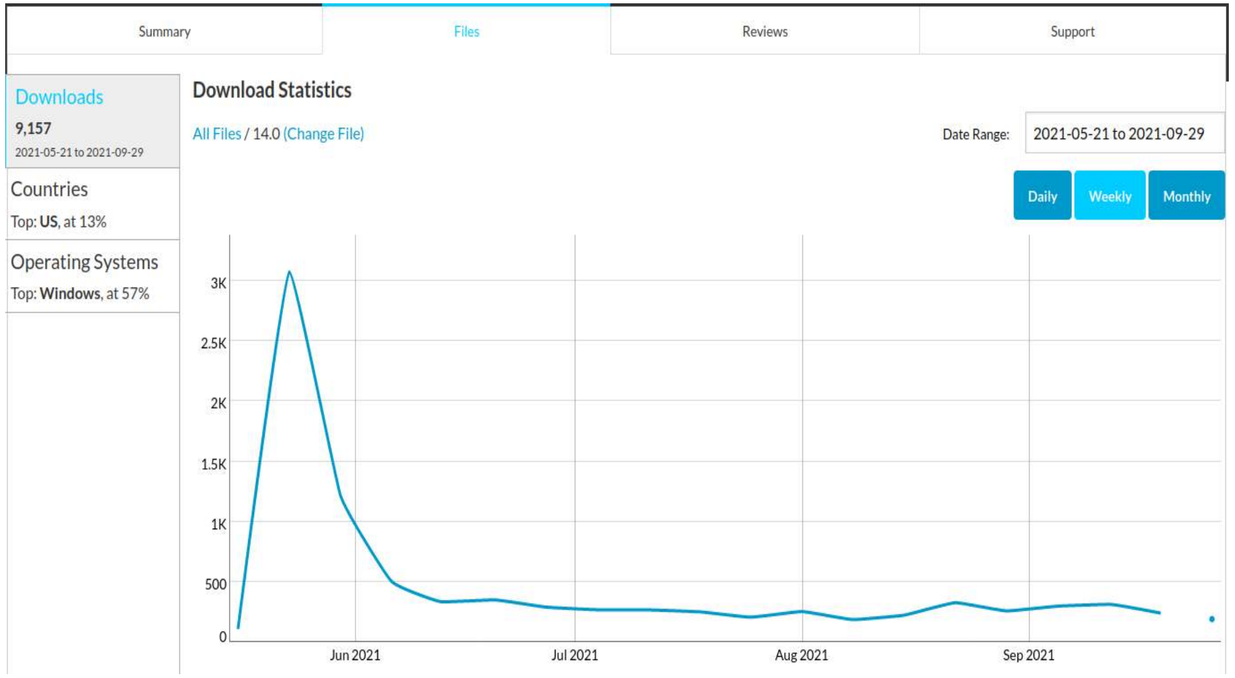
Downloads Version 13



Downloads Version 13



Downloads Version 14



OSGeoLive 14.0

OSGeoLive 14 "Malena"

We would like to dedicate this version to our friend Malena Libman who passed away shortly before OSGeoLive 14.0 was released. FOSS4G 2021 Buenos Aires was her dream. Farewell Malena, we will miss you.

What is new in 14.0

- Updated to Lubuntu 20.04 LTS
- LXQt from LXDE - Major UI changes
- Updated core packages based on DebianGIS
- Updated packages contributed back to UbuntuGIS
- QGIS 3.10.13, GDAL 3.2.1, PROJ 7.2.1, PostGIS 3.1.0, GRASS 7.8.5, GeoServer 2.18.0, MapServer 7.6.1 and many more...
- New projects added: pygeoapi, GeoStyler, Re3gistry
- Additional Python modules like Fiona, rasterio, cartopy, pandas, geopandas, mappyfile, Jupyter.
- Download OSGeoLive either as ISO or VMDK (with even more software)
- Press release 93
- Full changelog

What is new in 14.0

- Documentation updates
- New command line tutorial - thanks to to Enock Seth Nyamador and Astrid Emde
- Improvements on the OpenStreetmap tutorial in cooparation with the HOT team - thanks to to Enock Seth Nyamador and Astrid Emde
- Many great Jupyther Notebooks prepared by Brian Hamlin
- OpenStreetMap data for Buenos Aires

What is new in 14.0

- New languages
- Now supporting: English | Deutsch | Español | Suomen kieli | Français | Italiano | 日本語 | Hungarian
- 100 % translation to Hungarian
- 100 % translation to Spanish. Special thanks to Martha Vergara that did 99% of the translation.

Challenges of version 14.0

- LXQt instead of LXDE
- Many upstream ubuntu changes blocked our development for a while
- Packaging efforts slower than usual due to pandemic
- Not enough testers, please join us!

OSGeoLive in the Cloud

- DebianGIS and UbuntuGIS packages are used in Docker and VMs on the cloud
- OSGeoLive has been reported to work fine in Cloud environments
- Works under OpenStack
- Used in ESA's DIAS infrastructure: Creodias

OSGeoLive in Action

Marco Minghini, Scientific Project Officer at the European Commission, says

”Open source geospatial software is a key building block of many data infrastructures managed and operated by the European Commission, powering high-level, pan-European initiatives such as INSPIRE and Copernicus. The role of OSGeoLive to teach and promote the use of open source geospatial software has no equivalent. Big thanks to OSGeo and the OSGeoLive team!”

OSGeoLive 14 is ready to be used at events. It was used at FOSSGIS Konferenz 2021 in June and is used at FOSS4G 2021 (2 workshops already used it).

Roadmap

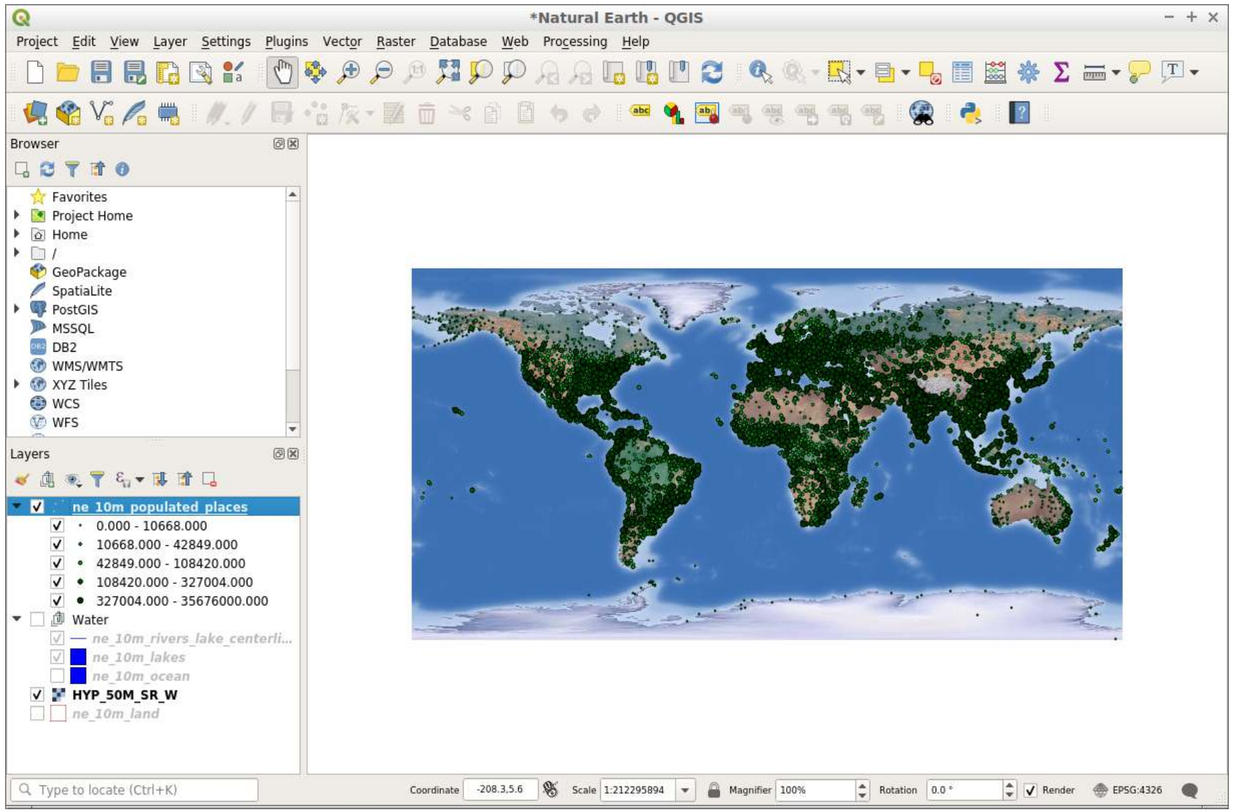
- OSGeoLive 15.0 for FOSS4G 2022 - August 2022 Firenze (Italy)
- Lubuntu 22.04
- Include all new OSGeo Community Projects
- Plan to include Glossary from Lexicon Committee
- Write documentations for projects that are already installed e.g. PDAL
- Improve usability for HOT users (OSGeo-HOT MoU)
- Improve translations
- Please apply with your project!
- Get involved! You can learn a lot and share ideas.

Desktop GIS

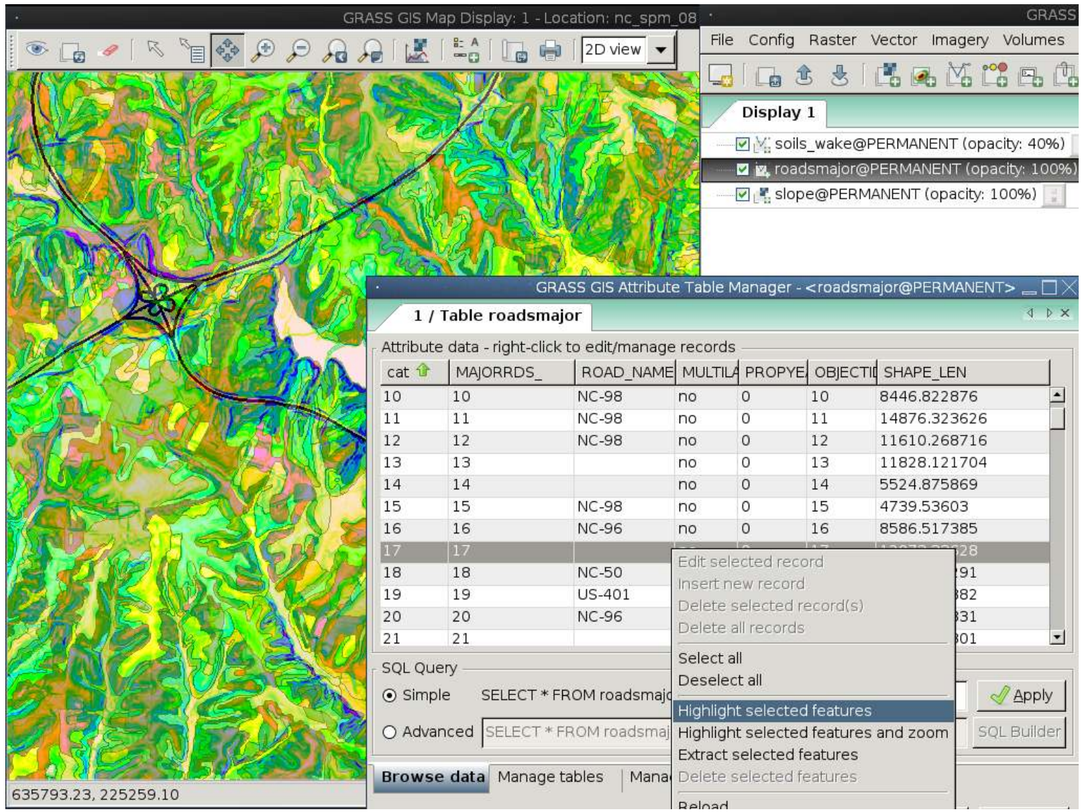
General GIS viewing, editing and analysis on the desktop

QGIS	*GRASS GIS*	*gvSIG Desktop*	*uDig*
OpenJUMP GIS	*SAGA*		

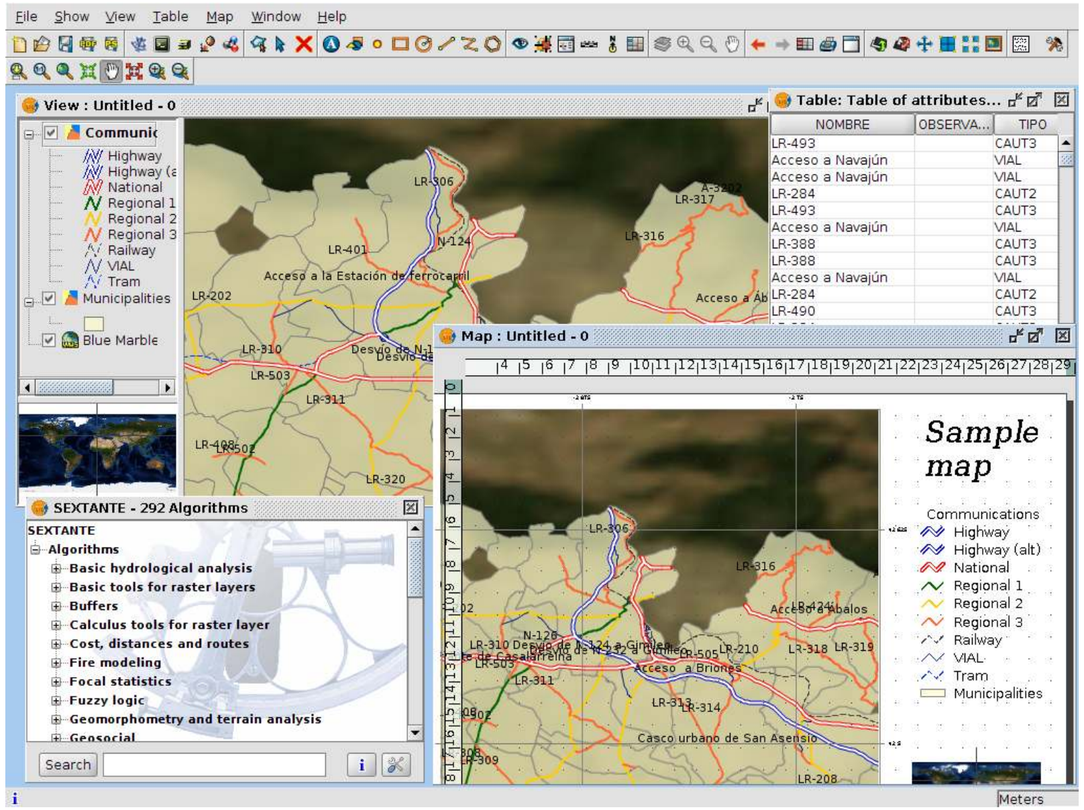
QGIS


*Natural Earth - QGIS
Project Edit View Layer Settings Plugins Vector Raster Database Web Processing Help
Browser
Favorites
Project Home
Home
/
GeoPackage
SpatiaLite
PostGIS
MSSQL
DB2
WMS/WMTS
XYZ Tiles
WCS
WFS
Layers
ne_10m_populated_places
0.000 - 10668.000
10668.000 - 42849.000
42849.000 - 108420.000
108420.000 - 327004.000
327004.000 - 35676000.000
Water
ne_10m_rivers_lake_centerli...
ne_10m_lakes
ne_10m_ocean
HYP_50M_SR_W
ne_10m_land
Type to locate (Ctrl+K)
Coordinate -208.3,5.6
Scale 1:212295894
Magnifier 100%
Rotation 0.0 °
Render
EPSG:4326

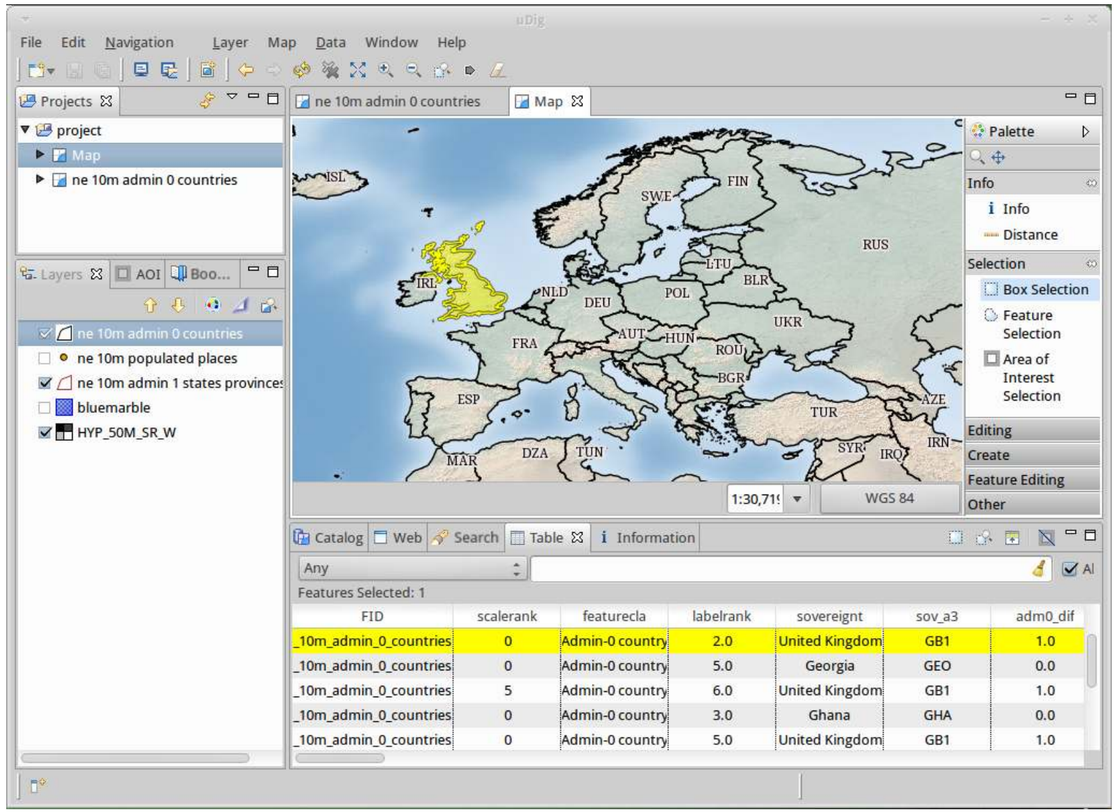
GRASS GIS


GRASS GIS Map Display: 1 - Location: nc_spm_08
2D view
GRASS
File Config Raster Vector Imagery Volumes
Display 1
soils_wake@PERMANENT (opacity: 40%)
roadsmajor@PERMANENT (opacity: 100%)
slope@PERMANENT (opacity: 100%)
GRASS GIS Attribute Table Manager - <roadsmajor@PERMANENT>
1 / Table roadsmajor
Attribute data - right-click to edit/manage records
cat MAJORRDS_ ROAD_NAME MULTILA PROPYE OBJECTID SHAPE_LEN
10 10 NC-98 no 0 10 8446.822876
11 11 NC-98 no 0 11 14876.323626
12 12 NC-98 no 0 12 11610.268716
13 13 no 0 13 11828.121704
14 14 no 0 14 5524.875869
15 15 NC-98 no 0 15 4739.53603
16 16 NC-96 no 0 16 8586.517385
17 17
18 18 NC-50
19 19 US-401
20 20 NC-96
21 21
Edit selected record
Insert new record
Delete selected record(s)
Delete all records
Select all
Deselect all
Highlight selected features
Highlight selected features and zoom
Extract selected features
Delete selected features
Reload
SQL Query
Simple SELECT * FROM roadsmajo
Advanced SELECT * FROM roadsmaj
Apply
SQL Builder
Browse data
Manage tables
635793.23, 225259.10

gvSIG Desktop



uDig


File Edit Navigation Layer Map Data Window Help
Projects
project
Map
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Layers
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ne 10m populated places
ne 10m admin 1 states provinces
bluemarble
HYP_50M_SR_W
ne 10m admin 0 countries
Map
Palette
Info
Info
Distance
Selection
Box Selection
Feature Selection
Area of Interest Selection
Editing
Create
Feature Editing
Other
WGS 84
Catalog
Web
Search
Table
Information
Any
Features Selected: 1
FID scalerank featurecla labelrank sovereignt sov_a3 adm0_dif
_10m_admin_0_countries 0 Admin-0 country 2.0 United Kingdom GB1 1.0
_10m_admin_0_countries 0 Admin-0 country 5.0 Georgia GEO 0.0
_10m_admin_0_countries 5 Admin-0 country 6.0 United Kingdom GB1 1.0
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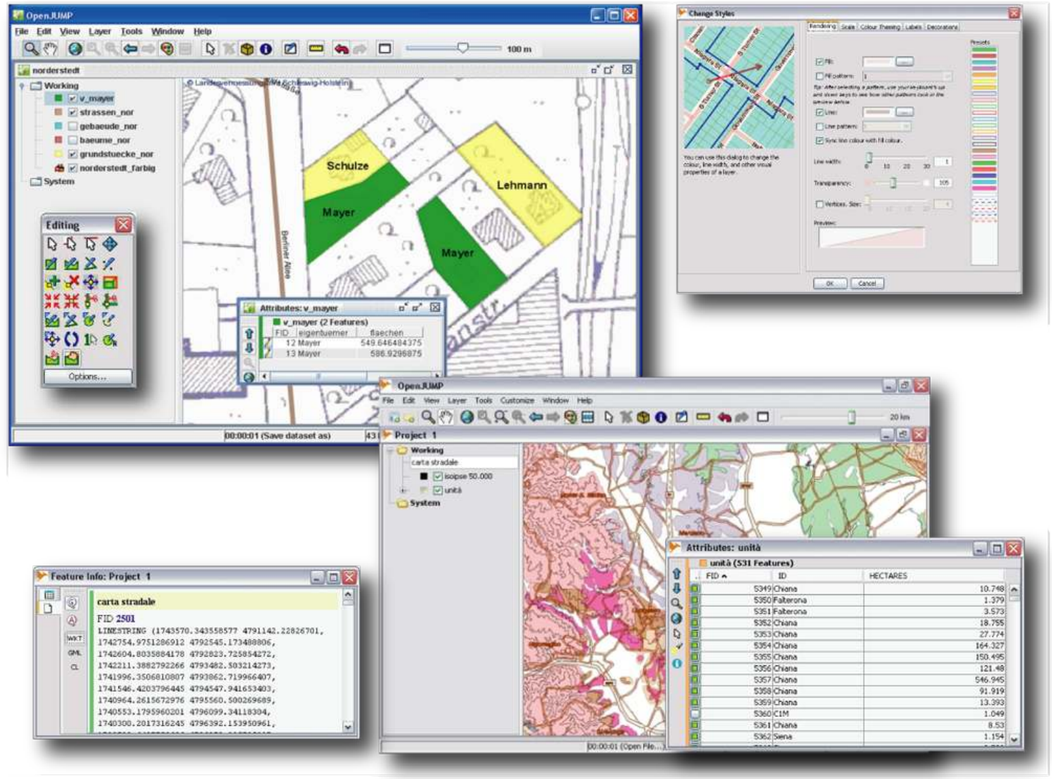
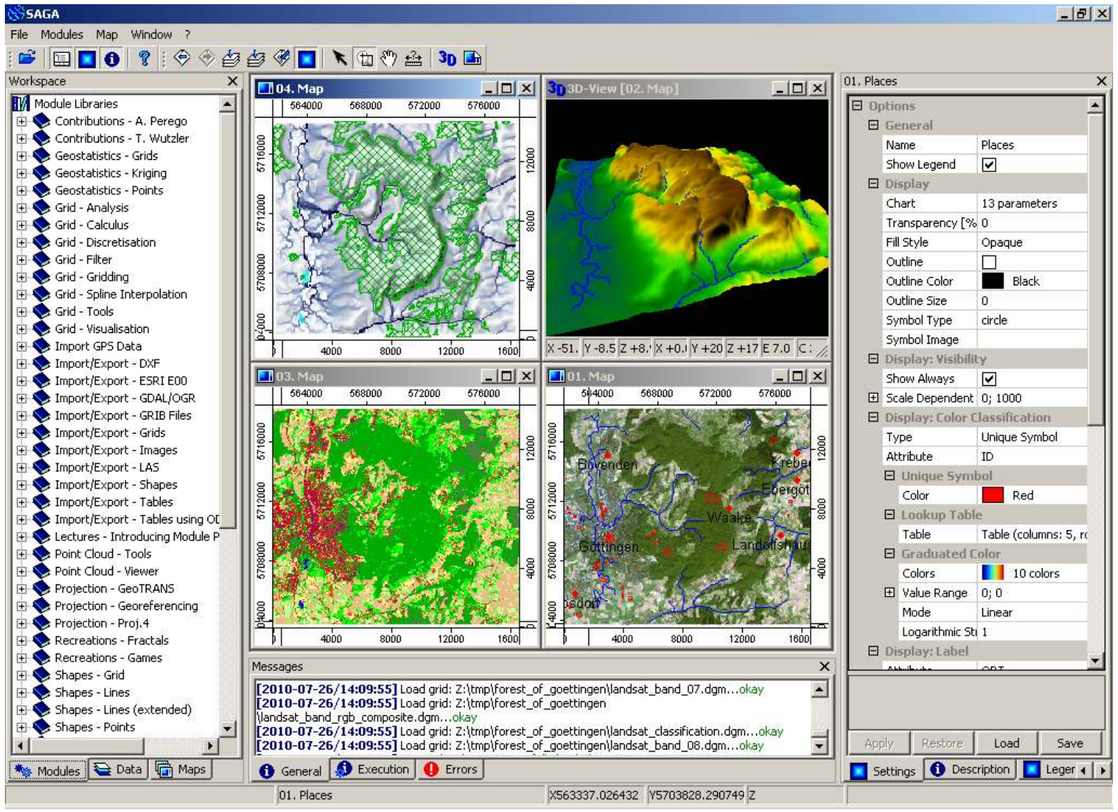
_10m_admin_0_countries 0 Admin-0 country 5.0 United Kingdom GB1 1.0

OpenJUMP GIS



SAGA


SAGA
File Modules Map Window ?
Workspace
Module Libraries
Contributions - A. Perego
Contributions - T. Wutzler
Geostatistics - Grids
Geostatistics - Kriging
Geostatistics - Points
Grid - Analysis
Grid - Calculus
Grid - Discretisation
Grid - Filter
Grid - Gridding
Grid - Spline Interpolation
Grid - Tools
Grid - Visualisation
Import GPS Data
Import/Export - DXF
Import/Export - ESRI E00
Import/Export - GDAL/OGR
Import/Export - GRIB Files
Import/Export - Grids
Import/Export - Images
Import/Export - LAS
Import/Export - Shapes
Import/Export - Tables
Import/Export - Tables using OD
Lectures - Introducing Module P
Point Cloud - Tools
Point Cloud - Viewer
Projection - GeoTRANS
Projection - Georeferencing
Projection - Proj.4
Recreations - Fractals
Recreations - Games
Shapes - Grid
Shapes - Lines
Shapes - Lines (extended)
Shapes - Points
Modules Data Maps
04. Map
03. Map
01. Map
3D-View [02. Map]
Messages
[2010-07-26/14:09:55] Load grid: Z:\tmp\forest_of_goettingen\landsat_band_07.dgm...okay
[2010-07-26/14:09:55] Load grid: Z:\tmp\forest_of_goettingen\landsat_band_rgb_composite.dgm...okay
[2010-07-26/14:09:55] Load grid: Z:\tmp\forest_of_goettingen\landsat_classification.dgm...okay
[2010-07-26/14:09:55] Load grid: Z:\tmp\forest_of_goettingen\landsat_band_08.dgm...okay
General Execution Errors
01. Places
X563337.026432
Y5703828.290749
01. Places
Options
General
Name Places
Show Legend
Display
Chart 13 parameters
Transparency [% 0
Fill Style Opaque
Outline
Outline Color Black
Outline Size 0
Symbol Type circle
Symbol Image
Display: Visibility
Show Always
Scale Dependent 0; 1000
Display: Color Classification
Type Unique Symbol
Attribute ID
Unique Symbol
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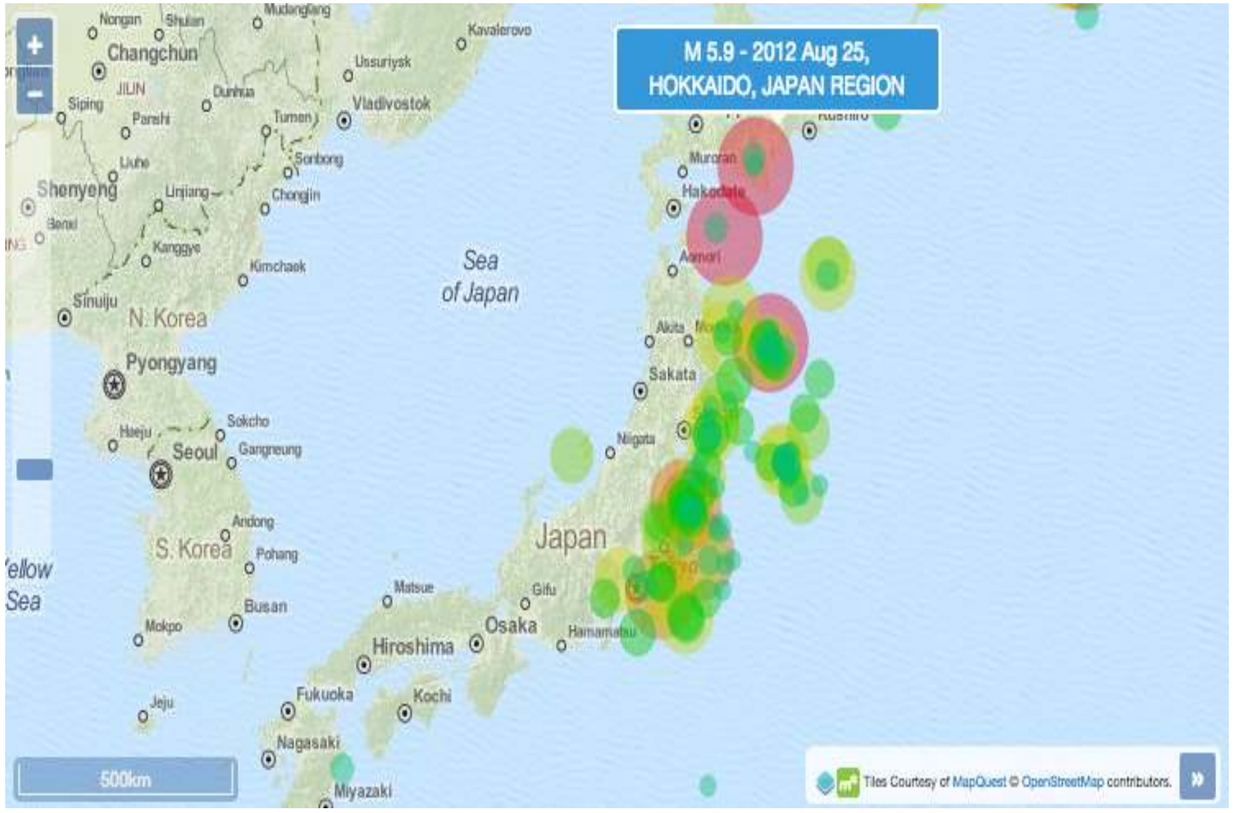
Lookup Table
Table Table (columns: 5, r
Graduated Color
Colors 10 colors
Value Range 0; 0
Mode Linear
Logarithmic Sti 1
Display: Label
Apply Restore Load Save
Settings Description Leger

Browser Facing GIS

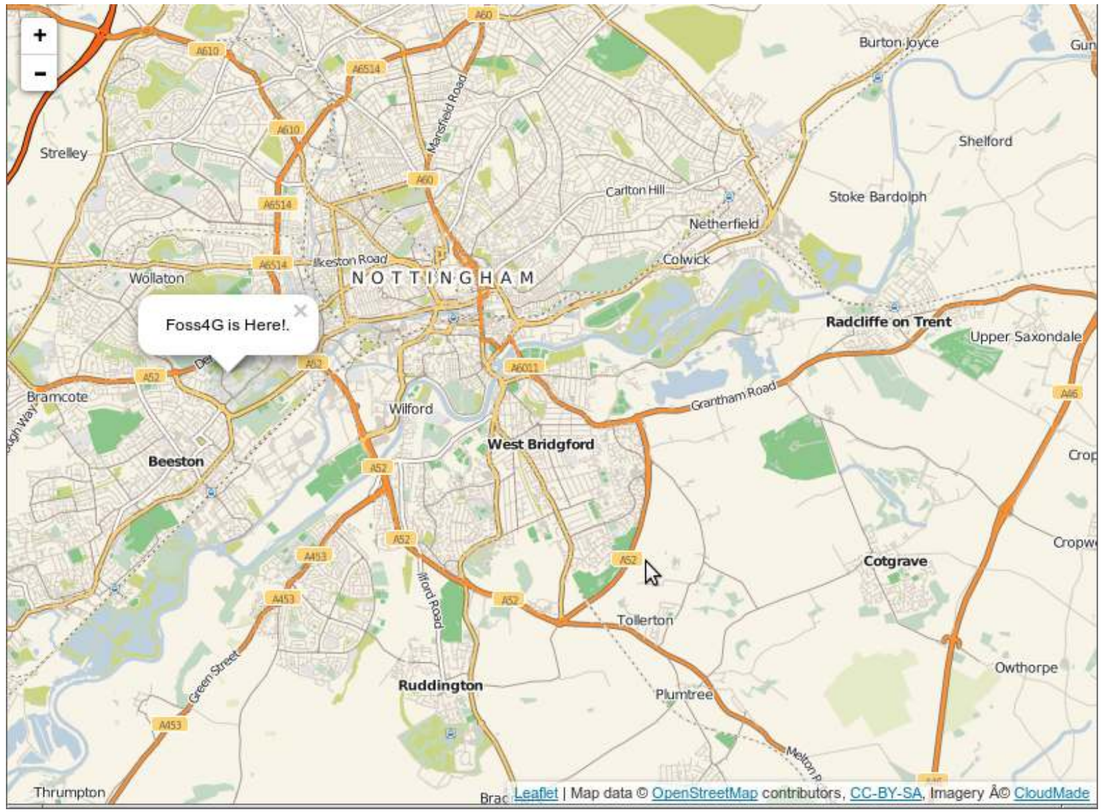
General GIS viewing, editing and analysis in the browser

OpenLayers	*Leaflet*	*Cesium*	*GeoStyler*
Mapbender	*GeoExt*	*GeoMoose*	*GeoNode*

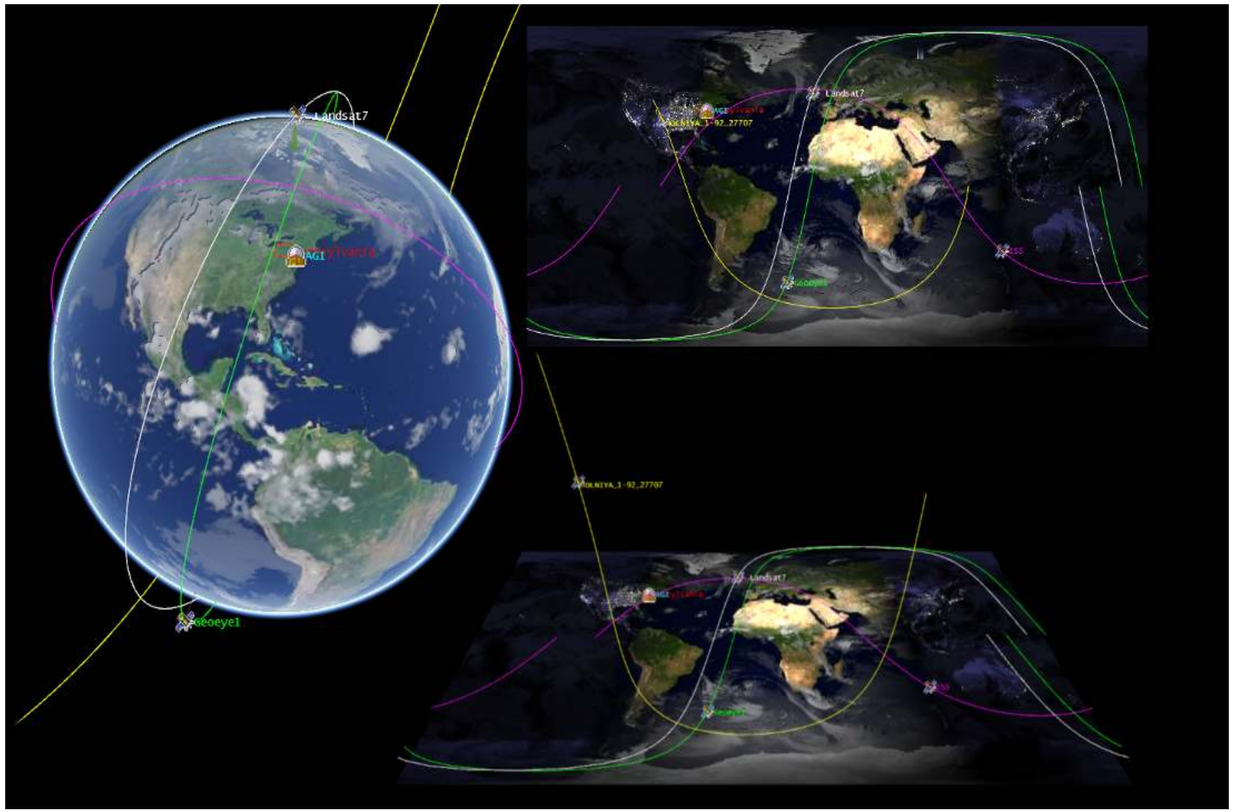
OpenLayers


M 5.9 - 2012 Aug 25,
HOKKAIDO, JAPAN REGION
Changchun
Shenyeng
N. Korea
Pyongyang
Seoul
S. Korea
Japan
Sea
of Japan
Yellow
Sea
Vladivostok
Ussuriysk
Kavalerovo
Hakodate
Muroran
Sakata
Niigata
Akita
Hiroshima
Osaka
Fukuoka
Nagasaki
Miyazaki
Kochi
Busan
Pohang
Andong
Sokcho
Gangneung
Haeju
Kimchaek
Chongjin
Sonbong
Tumen
Mudanjiang
Dunhua
Jilin
Changchun
Siping
Parshi
Liuhe
Linjiang
Kanggye
Sinuiju
Benxi
Matsue
Gifu
Hamamatsu
Mokpo
Jeju
500km
Tiles Courtesy of MapQuest © OpenStreetMap contributors.

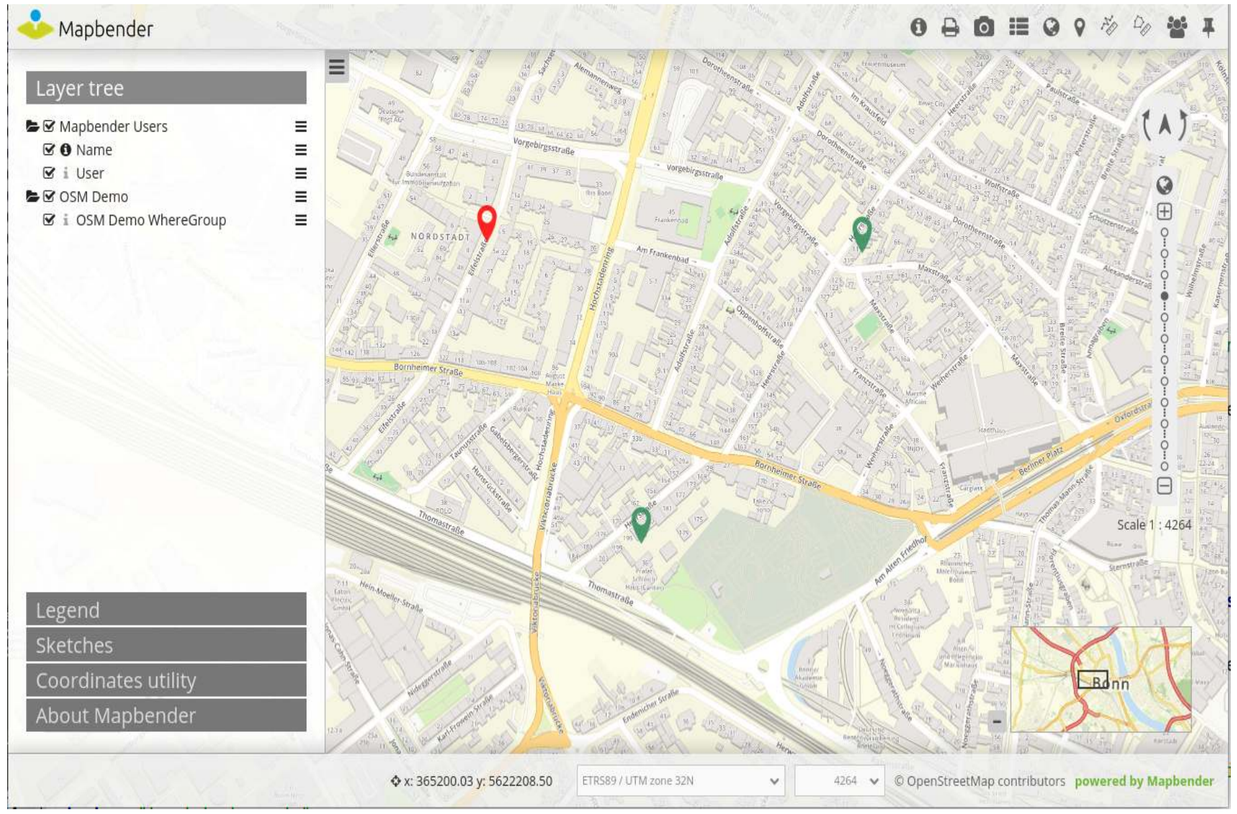
Leaflet


Foss4G is Here!.
Burton Joyce
Shelford
Stoke Bardolph
Carlton Hill
Netherfield
Colwick
Strelley
Wollaton
NOTTINGHAM
Radcliffe on Trent
Upper Saxondale
Bramcote
Wilford
West Bridgford
Beeston
Grantham Road
Cotgrave
Tollerton
Owthorpe
Ruddington
Plumtree
Thrumpton
Leaflet | Map data © OpenStreetMap contributors, CC-BY-SA, Imagery Â© CloudMade

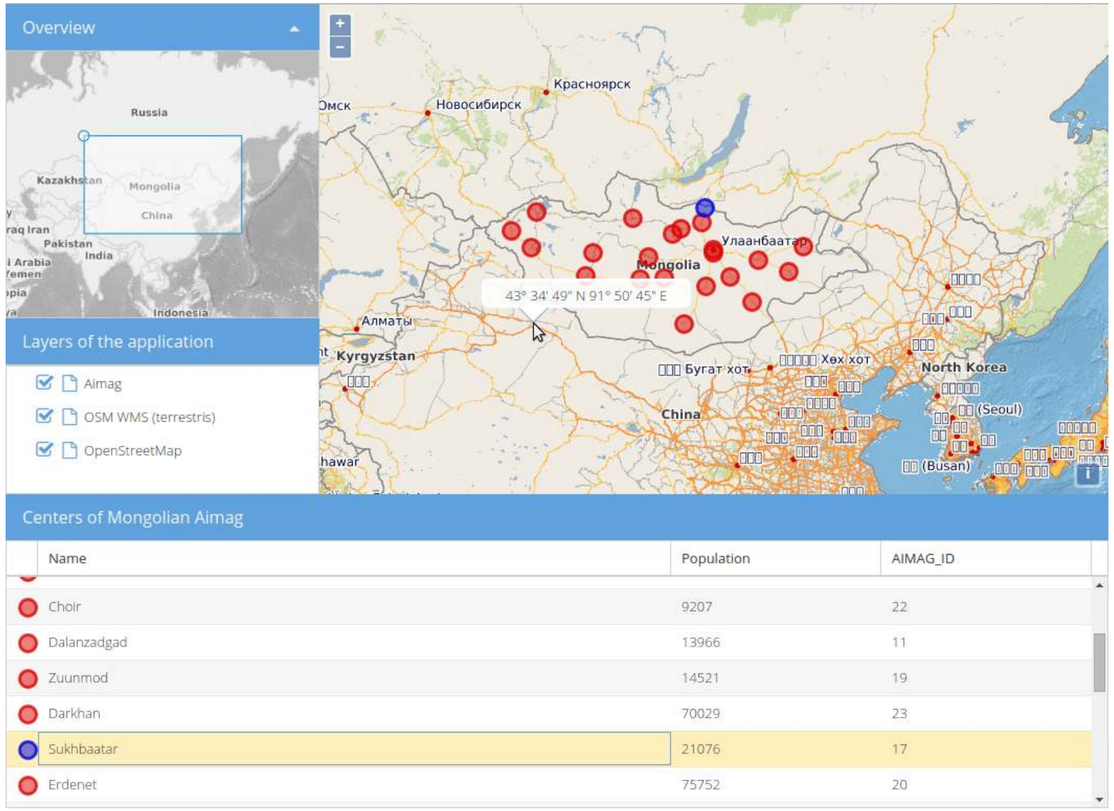
Cesium



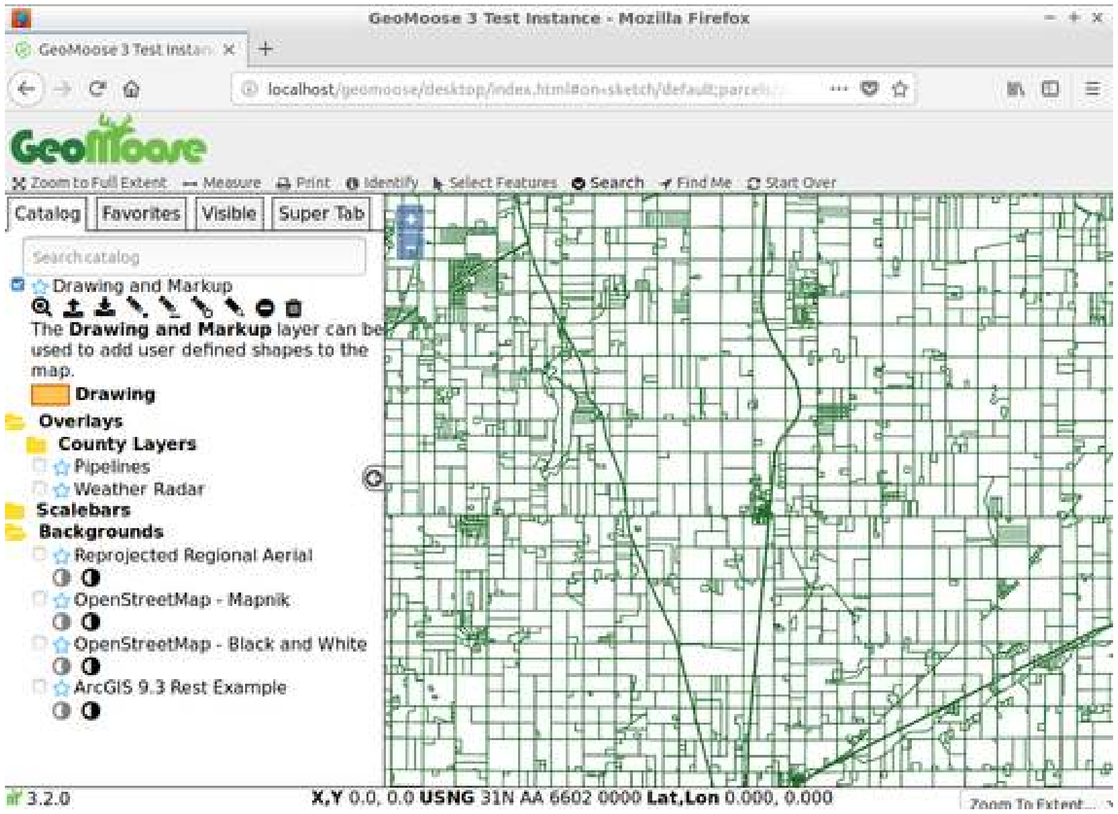
Mapbender


Mapbender
Layer tree
Mapbender Users
Name
User
OSM Demo
OSM Demo WhereGroup
Legend
Sketches
Coordinates utility
About Mapbender
Scale 1 : 4264
Bonn
x: 365200.03 y: 5622208.50
ETRS89 / UTM zone 32N
4264
© OpenStreetMap contributors
powered by Mapbender

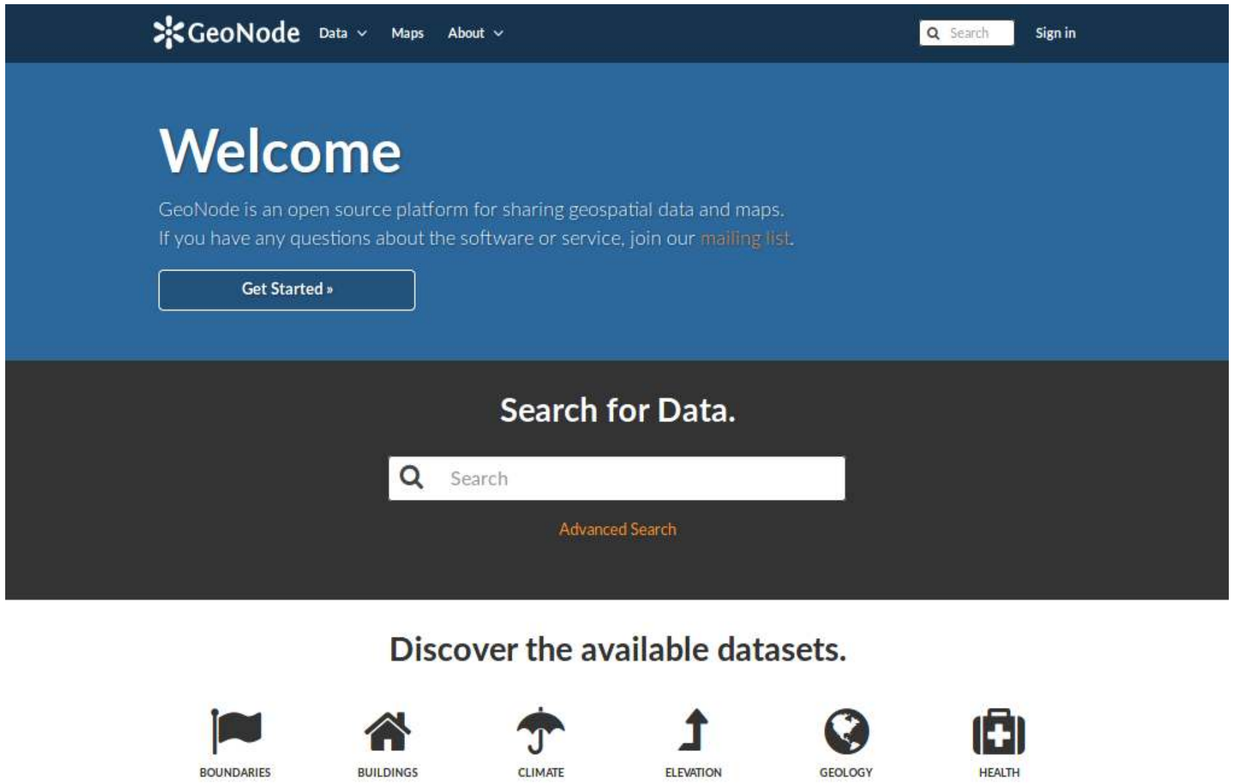
GeoExt


Overview
Russia
Kazakhstan
Mongolia
China
Pakistan
India
Indonesia
Layers of the application
Aimag
OSM WMS (terrestris)
OpenStreetMap
Красноярск
Омск
Новосибирск
Улаанбаатар
Mongolia
43° 34' 49" N 91° 50' 45" E
Алматы
Kyrgyzstan
Бугат хот
Хөх хот
North Korea
China
(Seoul)
(Busan)
Centers of Mongolian Aimag
Name
Population
AIMAG_ID
Choir 9207 22
Dalanzadgad 13966 11
Zuunmod 14521 19
Darkhan 70029 23
Sukhbaatar 21076 17
Erdenet 75752 20

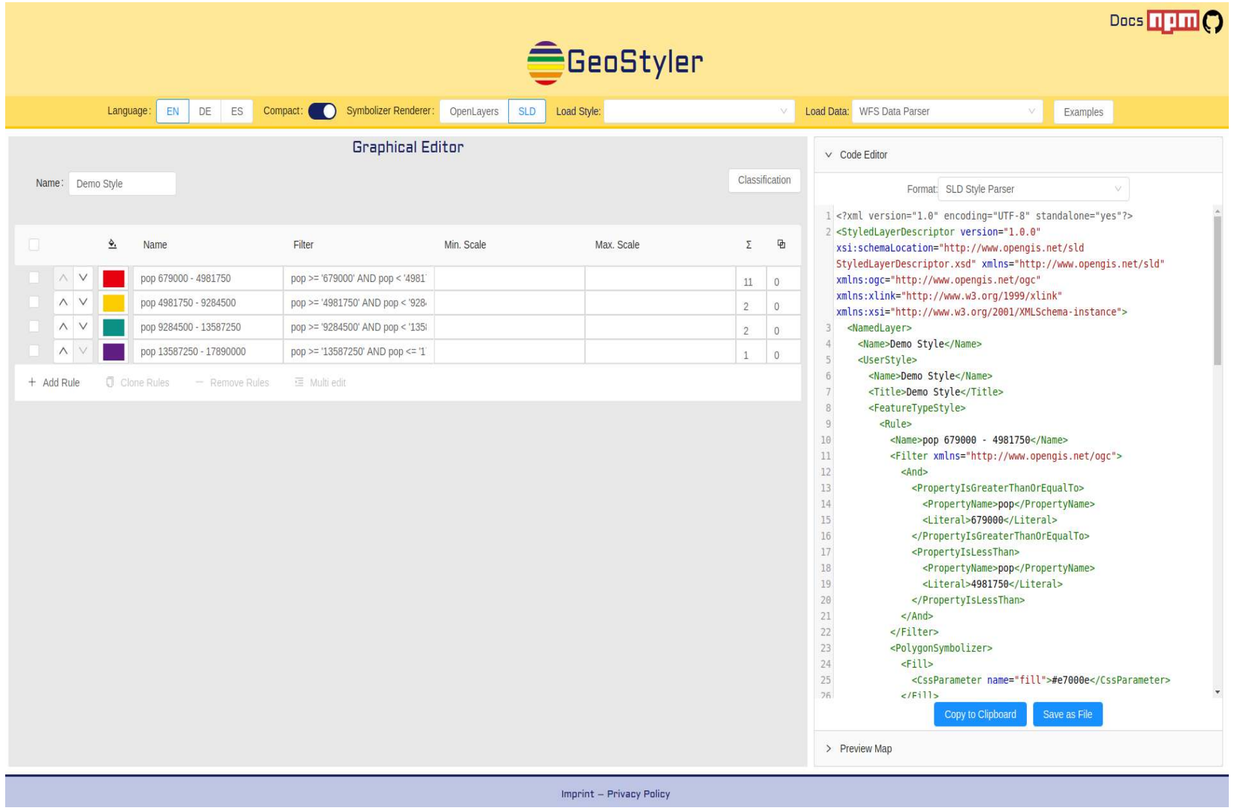
GeoMoose


GeoMoose 3 Test Instance - Mozilla Firefox
GeoMoose 3 Test Instan
localhost/geomoose/desktop/index.html#on=sketch/default:parcels:
GeoMoose
Zoom to Full Extent
Measure
Print
Identify
Select Features
Search
Find Me
Start Over
Catalog
Favorites
Visible
Super Tab
Search catalog
Drawing and Markup
The Drawing and Markup layer can be used to add user defined shapes to the map.
Drawing
Overlays
County Layers
Pipelines
Weather Radar
Scalebars
Backgrounds
Reprojected Regional Aerial
OpenStreetMap - Mapnik
OpenStreetMap - Black and White
ArcGIS 9.3 Rest Example
3.2.0
X,Y 0.0, 0.0 USNG 31N AA 6602 0000 Lat,Lon 0.000, 0.000
Zoom To Extent

GeoNode


GeoNode
Data
Maps
About
Search
Sign in
Welcome
GeoNode is an open source platform for sharing geospatial data and maps.
If you have any questions about the software or service, join our mailing list.
Get Started »
Search for Data.
Search
Advanced Search
Discover the available datasets.
BOUNDARIES
BUILDINGS
CLIMATE
ELEVATION
GEOLOGY
HEALTH

GeoStyler


Docs
GeoStyler
Language: EN DE ES
Compact:
Symbolizer Renderer: OpenLayers SLD
Load Style:
Load Data: WFS Data Parser
Examples
Graphical Editor
Name: Demo Style
Classification
Name
Filter
Min. Scale
Max. Scale
pop 679000 - 4981750
pop >= '679000' AND pop < '4981'
pop 4981750 - 9284500
pop >= '4981750' AND pop < '928'
pop 9284500 - 13587250
pop >= '9284500' AND pop < '135'
pop 13587250 - 17890000
pop >= '13587250' AND pop <= '1'
Add Rule
Clone Rules
Remove Rules
Multi edit
Code Editor
Format: SLD Style Parser
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<StyledLayerDescriptor version="1.0.0"
xsi:schemaLocation="http://www.opengis.net/sld
StyledLayerDescriptor.xsd" xmlns="http://www.opengis.net/sld"
xmlns:ogc="http://www.opengis.net/ogc"
xmlns:xlink="http://www.w3.org/1999/xlink"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
<NamedLayer>
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<UserStyle>
<Name>Demo Style</Name>
<Title>Demo Style</Title>
<FeatureTypeStyle>
<Rule>
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<Filter xmlns="http://www.opengis.net/ogc">
<And>
<PropertyIsGreaterThanOrEqualTo>
<PropertyName>pop</PropertyName>
<Literal>679000</Literal>
</PropertyIsGreaterThanOrEqualTo>
<PropertyIsLessThan>
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</PropertyIsLessThan>
</And>
</Filter>
<PolygonSymbolizer>
<Fill>
<CssParameter name="fill">#e7000e</CssParameter>
Copy to Clipboard
Save as File
Preview Map
Imprint – Privacy Policy

Web Services

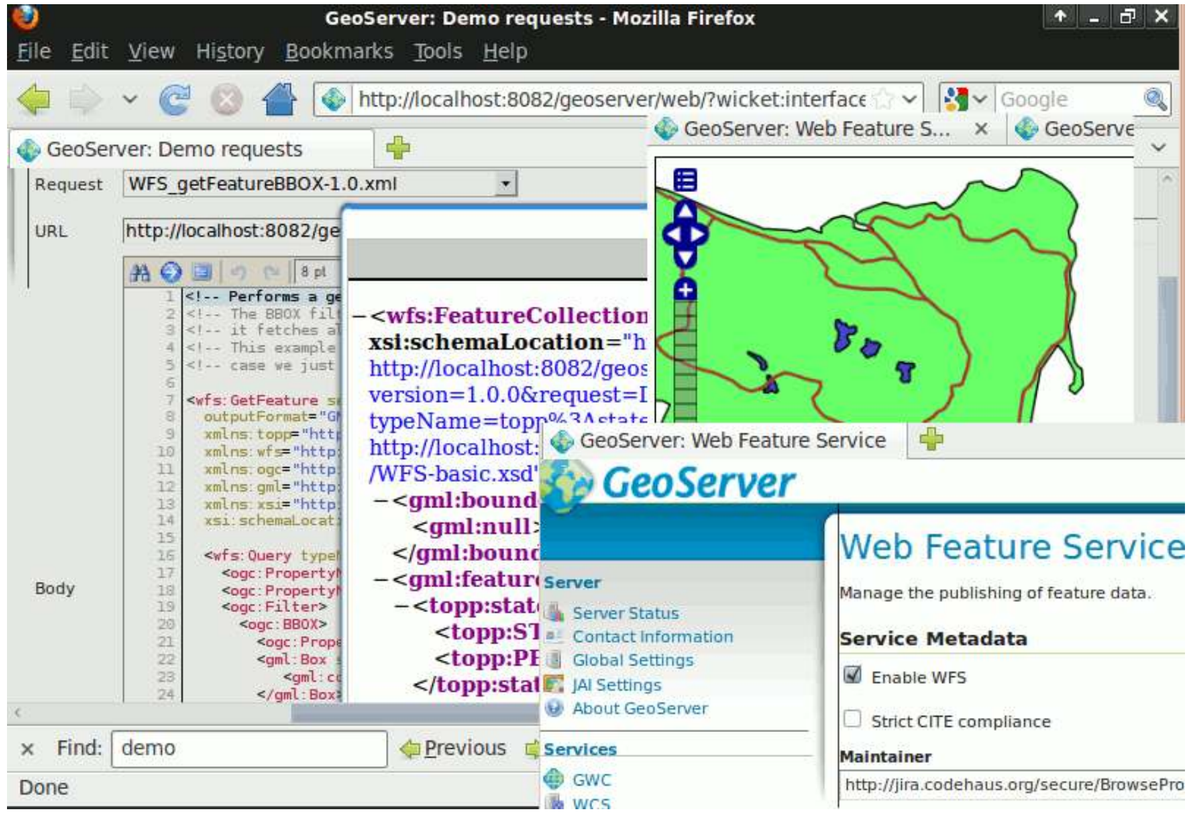
Publishing spatial data to the internet

GeoServer	*MapServer*	*MapCache*	*deegree*
ncWMS	*EOxServer*	*GeoNetwork*	*pycsw*

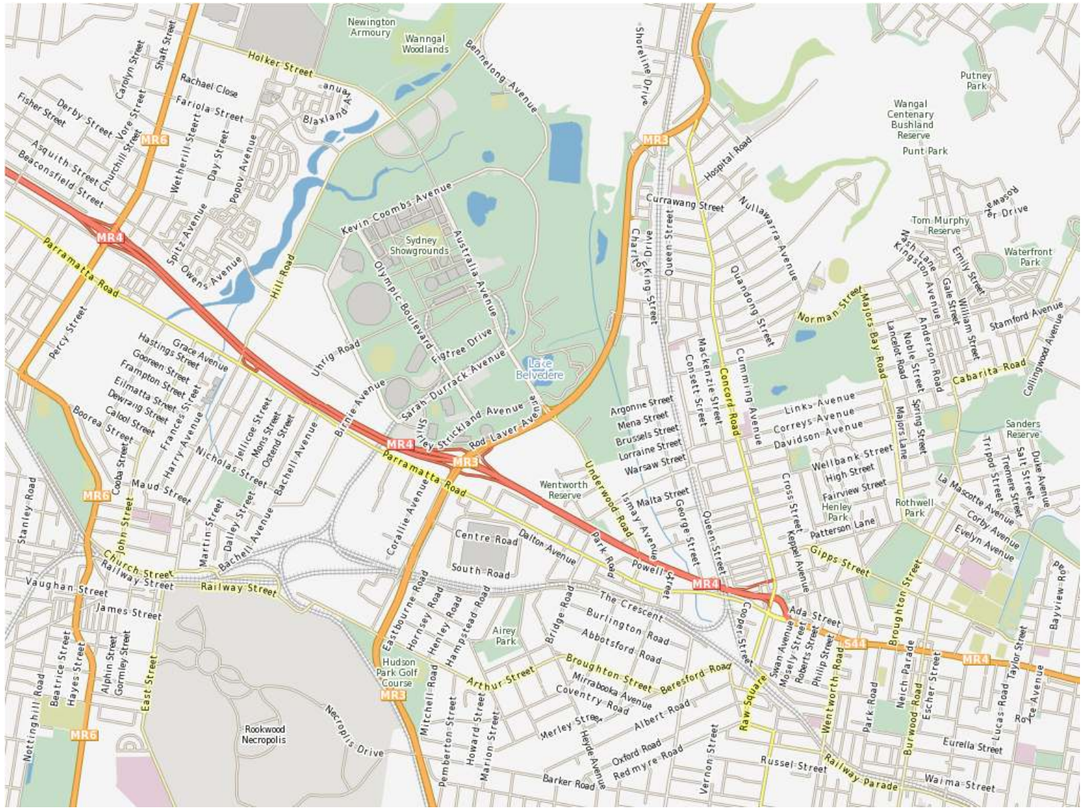
Web Services

PyWPS	*MapProxy*	*QGIS Server*	*istSOS*
52 North SOS	*52 North WPS*	*Zoo Project*	*t-rex*
Actinia	*Re3gistry*	*pygeoapi*	

GeoServer


GeoServer: Demo requests - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost:8082/geoserver/web/?wicket:interface
GeoServer: Demo requests
Request
WFS_getFeatureBBOX-1.0.xml
URL
Body
Find: demo
Previous
Done
GeoServer: Web Feature S...
GeoServer: Web Feature Service
GeoServer
Server
Server Status
Contact Information
Global Settings
JAI Settings
About GeoServer
Services
GWC
Web Feature Service
Manage the publishing of feature data.
Service Metadata
Enable WFS
Strict CITE compliance
Maintainer

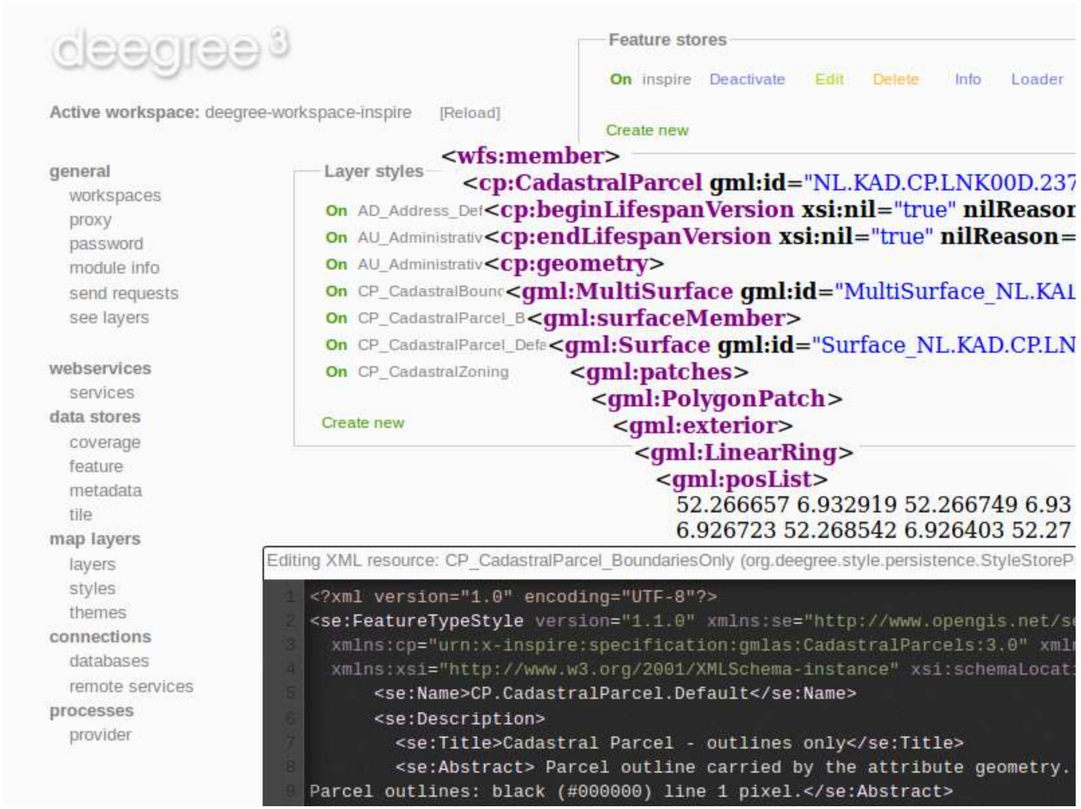
MapServer


Newington Armoury
Wanngal Woodlands
Holker Street
Bennelong Avenue
Shoreline Drive
Putney Park
Wangal Centenary Bushland Reserve
Punt Park
Hospital Road
Currawang Street
Nullawarra Avenue
Tom Murphy Reserve
Waterfront Park
Kevin Coombs Avenue
Sydney Showgrounds
Australia Avenue
Olympic Boulevard
Fig Tree Drive
Lake Belvedere
Parramatta Road
Hill Road
Uhrig Road
Percy Street
Queen Street
Charles King Street
Quandong Street
Norman Street
Majors Bay Road
Concord Road
Cabarita Road
Stamford Avenue
Collingwood Avenue
Sarah Durack Avenue
Strickland Avenue
Layer Avenue
Birkle Avenue
Argonne Street
Mena Street
Brussels Street
Lorraine Street
Warsaw Street
Malta Street
Underwood Road
Dark Road
Powell Street
Wentworth Reserve
Centre Road
South Road
Dalton Avenue
Coralie Avenue
Railway Street
Church Street
Vaughan Street
James Street
Stanley Road
Eastbourne Road
Hornsey Road
Henley Road
Hampstead Road
Airey Park
Bridge Road
Burlington Road
Abbotsford Road
Broughton Street
Beresford Road
Arthur Street
Mirrabooka Avenue
Coventry Road
Albert Road
Merley Street
Hudson Park Golf Course
Mitchell Road
Pemberton Street
Howard Street
Marion Street
Rookwood Necropolis
Necropolis Drive
Oxford Road
Redmyre Road
Barker Road
Vernon Street
Russel Street
Railway Parade
Waima Street
Eurella Street
Park Road
Burwood Road
Neich Parade
Escher Street
Wentworth Road
Raw Square
Swan Avenue
Mosely Street
Roberts Street
Philip Street
Cope Street
Ada Street
Gipps Street
Broughton Street
Taylor Street
Bayview Road
Rothwell Park
Fairview Street
High Street
Wellbank Street
Henley Park
Patterson Lane
Cross Street
Kepnel Avenue
Queen Street
George Street
Linray Avenue
Links Avenue
Correys Avenue
Davidson Avenue
Concett Street
Mackenzie Street
Cumming Avenue
Major Lane
Spring Street
Noble Street
Anderson Road
Lancelot Road
Gale Street
William Street
Emily Street
Kingston Avenue
Richmond Lane
Sanders Reserve
Duke Avenue
Salt Street
Tremen Street
Tripoli Street
La Mascotte Avenue
Corby Avenue
Evelyn Avenue
Rose Street
Ave
Lucas Road
Ro
Shirley Street
Ann Street
Quarry Street
Wetherill Street
Day Street
Popov Avenue
Spitz Avenue
Owens Avenue
Rachael Close
Fariola Street
Blaxland Avenue
Carolyn Street
Shaft Street
Jorie Street
Churchill Street
Derby Street
Fisher Street
Asquith Street
Beaconsfield Street
Graze Avenue
Hastings Street
Gopsen Street
Frampton Street
Ellimatta Street
Dewrang Street
Calool Street
Boorea Street
Cooba Street
Frances Street
Harry Avenue
Nicholas Street
Jellicoe Street
Mons Street
Ostend Street
Bachell Avenue
Maud Street
Martin Street
Dailey Street
Bachell Avenue
Johnn Street
Railway Street
Notinghill Road
Beatrice Street
Hayes Street
Alphin Street
Gormley Street
East Street
MR6
MR4
MR3
MR2

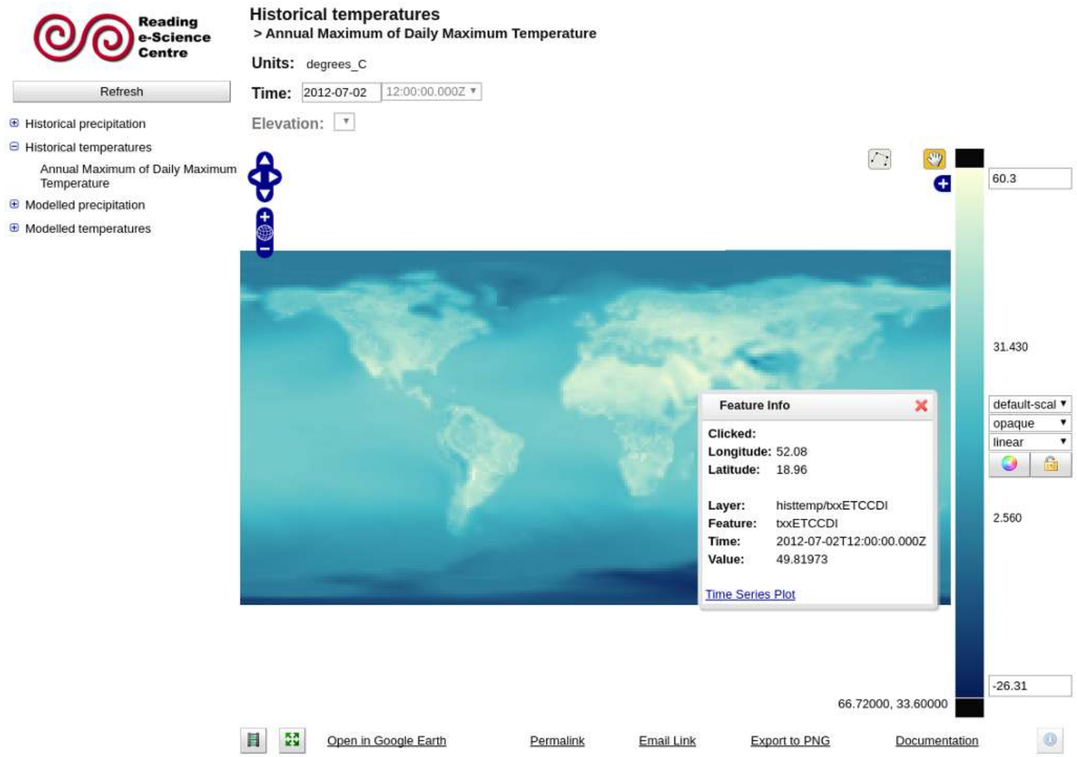
MapCache


Fort Collins
Greeley
Loveland
Evans
Longmont
Platteville
Hudson
Boulder
Broomfield
Lochbuie
Louisville
Denver
Aurora
Centennial
Parker
Castle Rock

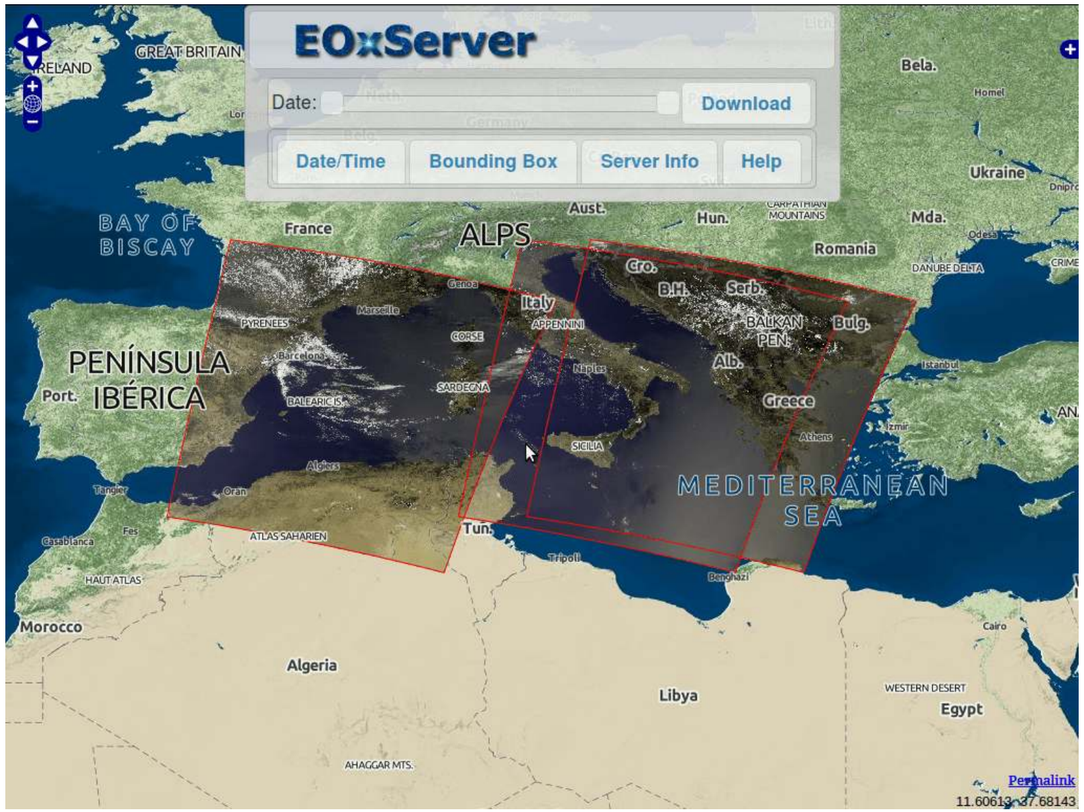
deegree


deegree 3
Active workspace: deegree-workspace-inspire [Reload]
general
workspaces
proxy
password
module info
send requests
see layers
webservices
services
data stores
coverage
feature
metadata
tile
map layers
layers
styles
themes
connections
databases
remote services
processes
provider
Feature stores
On inspire Deactivate Edit Delete Info Loader
Create new
Layer styles
On AD_Address_Def
On AU_Administrativ
On AU_Administrativ
On CP_CadastralBounc
On CP_CadastralParcel_B
On CP_CadastralParcel_Defa
On CP_CadastralZoning
Create new
<wfs:member>
<cp:CadastralParcel gml:id="NL.KAD.CP.LNK00D.237
<cp:beginLifespanVersion xsi:nil="true" nilReason
<cp:endLifespanVersion xsi:nil="true" nilReason=
<cp:geometry>
<gml:MultiSurface gml:id="MultiSurface_NL.KA
<gml:surfaceMember>
<gml:Surface gml:id="Surface_NL.KAD.CP.LN
<gml:patches>
<gml:PolygonPatch>
<gml:exterior>
<gml:LinearRing>
<gml:posList>
52.266657 6.932919 52.266749 6.93
6.926723 52.268542 6.926403 52.27
Editing XML resource: CP_CadastralParcel_BoundariesOnly (org.deegree.style.persistence.StyleStoreP
<?xml version="1.0" encoding="UTF-8"?>
<se:FeatureTypeStyle version="1.1.0" xmlns:se="http://www.opengis.net/s
xmlns:cp="urn:x-inspire:specification:gmlas:CadastralParcels:3.0" xml
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocat
<se:Name>CP.CadastralParcel.Default</se:Name>
<se:Description>
<se:Title>Cadastral Parcel - outlines only</se:Title>
<se:Abstract> Parcel outline carried by the attribute geometry.
Parcel outlines: black (#000000) line 1 pixel.</se:Abstract>

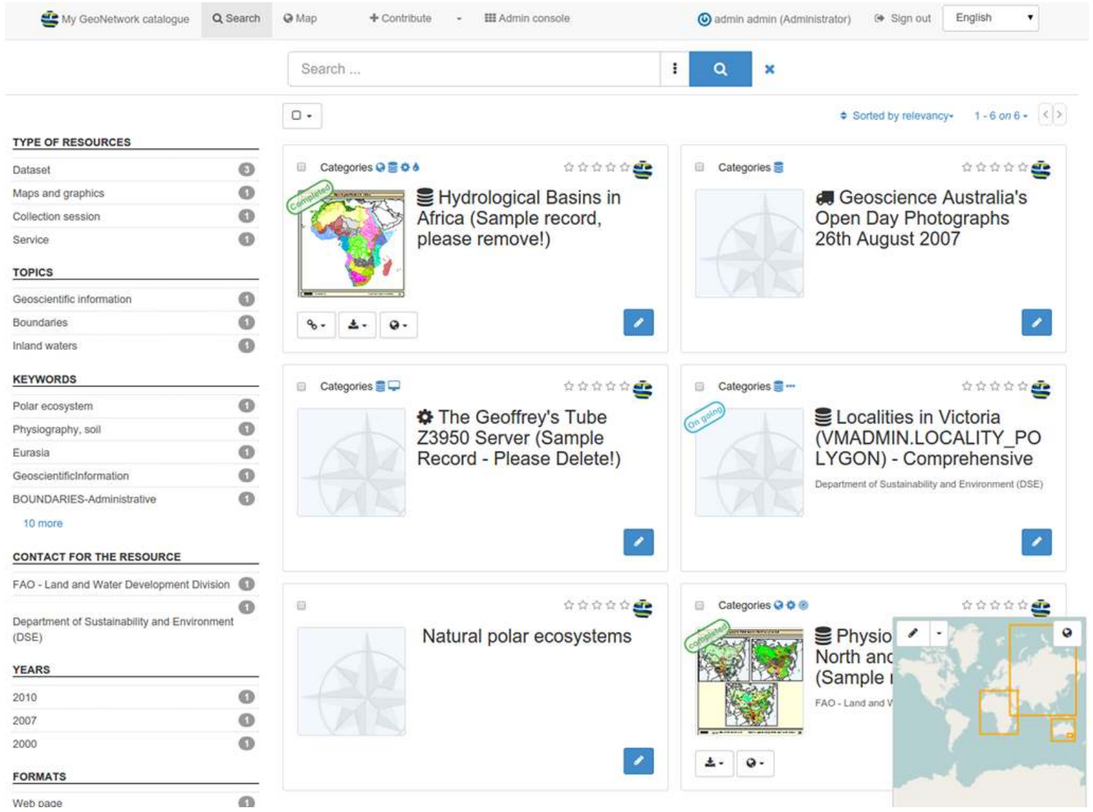
ncWMS


Reading e-Science Centre
Historical temperatures
> Annual Maximum of Daily Maximum Temperature
Units: degrees_C
Refresh
Time: 2012-07-02 12:00:00.000Z
Elevation:
Historical precipitation
Historical temperatures
Annual Maximum of Daily Maximum Temperature
Modelled precipitation
Modelled temperatures
60.3
31.430
2.560
-26.31
default-scal
opaque
linear
Feature Info
Clicked:
Longitude: 52.08
Latitude: 18.96
Layer: histtemp/txxETCCDI
Feature: txxETCCDI
Time: 2012-07-02T12:00:00.000Z
Value: 49.81973
Time Series Plot
66.72000, 33.60000
Open in Google Earth
Permalink
Email Link
Export to PNG
Documentation

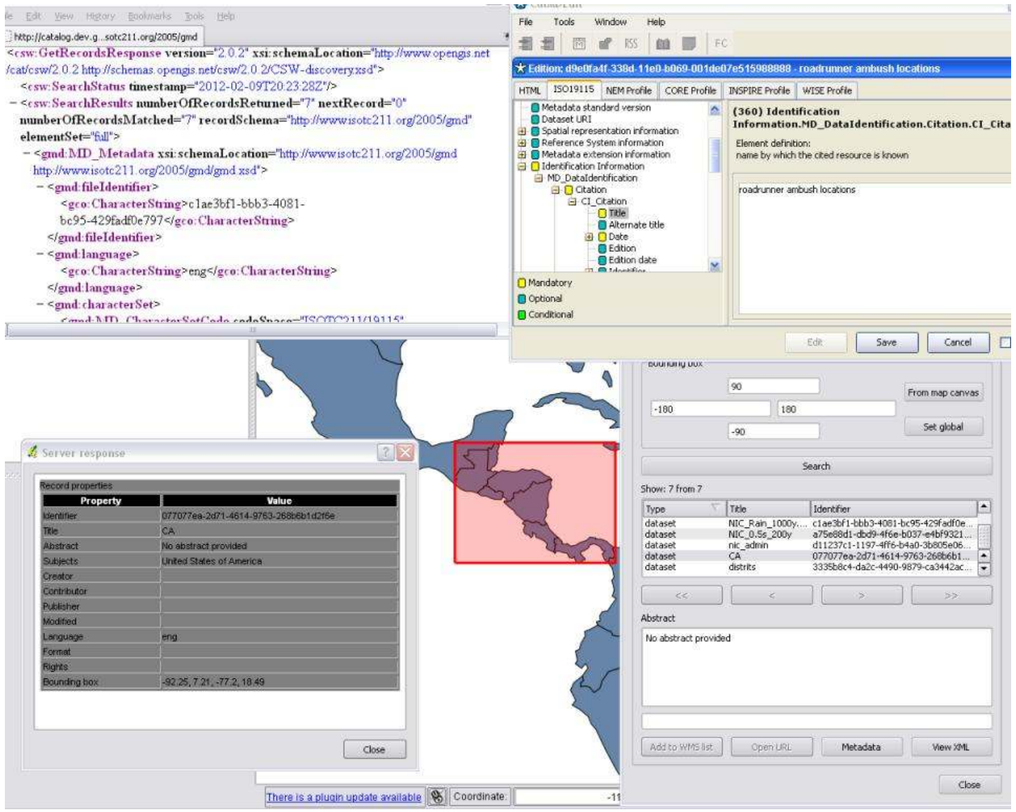
EOxServer


EOxServer
Date:
Download
Date/Time
Bounding Box
Server Info
Help
GREAT BRITAIN
BAY OF BISCAY
France
ALPS
Aust.
Hun.
Romania
Ukraine
Mda.
Italy
PENÍNSULA IBÉRICA
Port.
Greece
MEDITERRANEAN SEA
Morocco
Algeria
Libya
Egypt
Cairo
Permalink
11.60613,37.68143

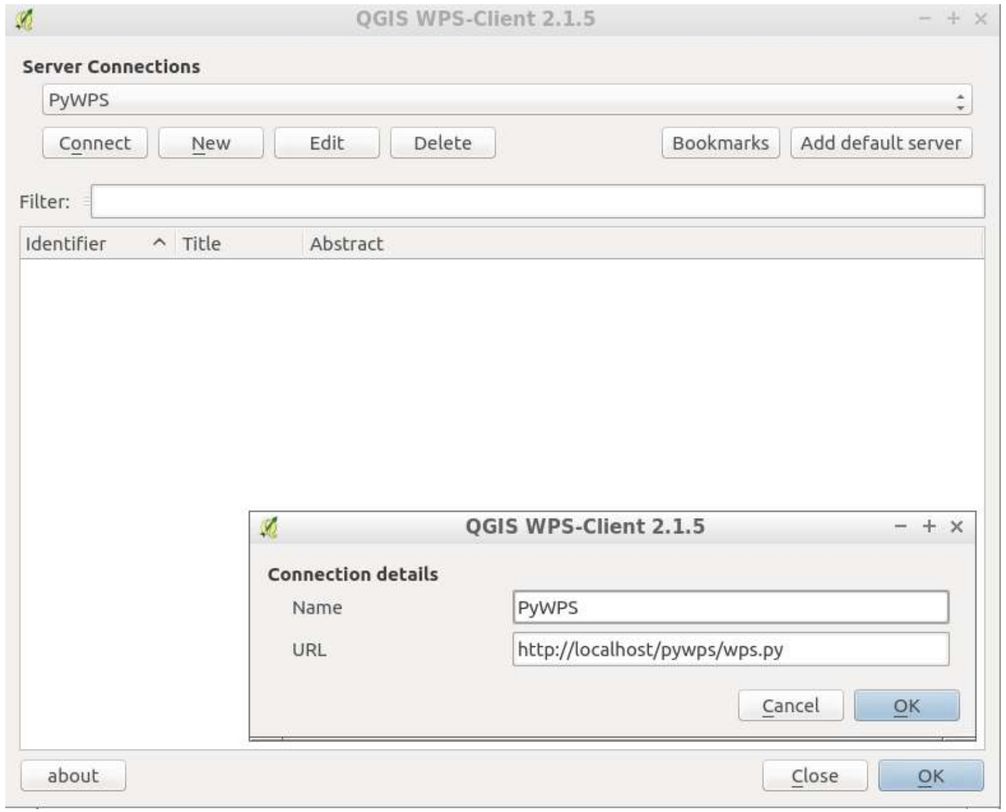
GeoNetwork


My GeoNetwork catalogue
Search
Map
Contribute
Admin console
admin admin (Administrator)
Sign out
English
Search ...
Sorted by relevancy
1 - 6 on 6
TYPE OF RESOURCES
Dataset 3
Maps and graphics 1
Collection session 1
Service 1
TOPICS
Geoscientific information 1
Boundaries 1
Inland waters 1
KEYWORDS
Polar ecosystem 1
Physiography, soil 1
Eurasia 1
GeoscientificInformation 1
BOUNDARIES-Administrative 1
10 more
CONTACT FOR THE RESOURCE
FAO - Land and Water Development Division 1
1
Department of Sustainability and Environment (DSE)
YEARS
2010 1
2007 1
2000 1
FORMATS
Web page 1
Categories
Hydrological Basins in Africa (Sample record, please remove!)
Geoscience Australia's Open Day Photographs 26th August 2007
The Geoffrey's Tube Z3950 Server (Sample Record - Please Delete!)
Localities in Victoria (VMADMIN.LOCALITY_POLYGON) - Comprehensive
Department of Sustainability and Environment (DSE)
Natural polar ecosystems

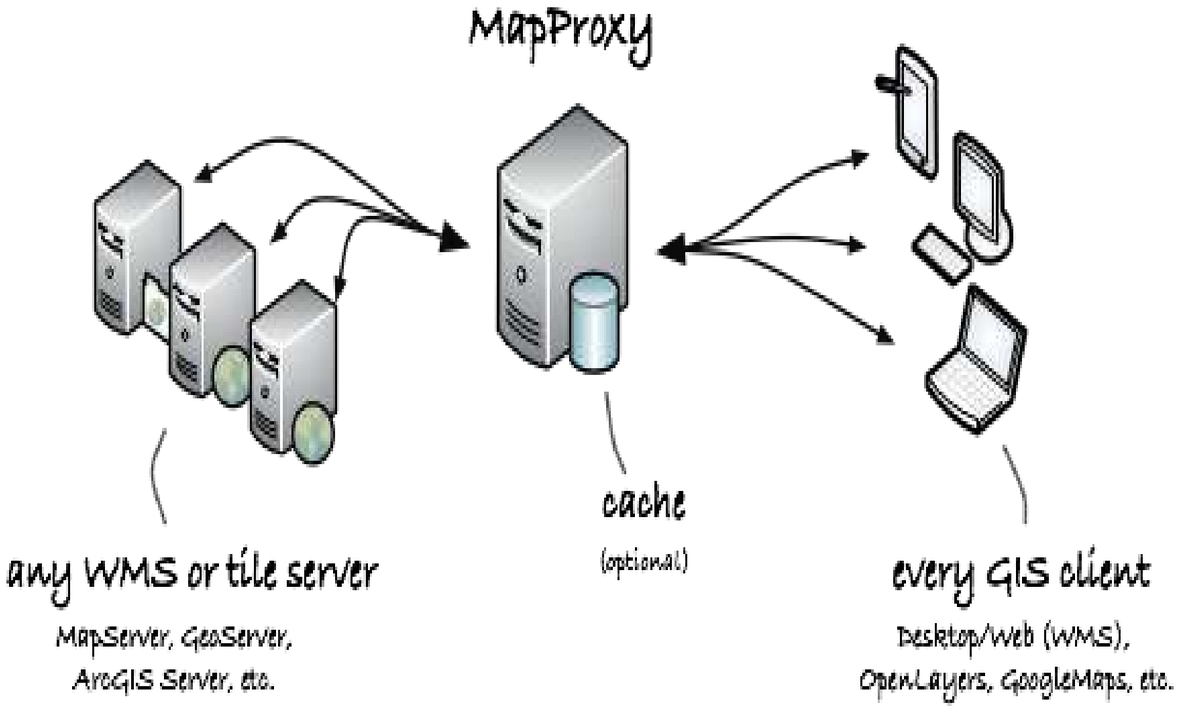
pycsw


Server response
Record properties
Property
Value
Close
Edition: d9e0fa4f-338d-11e0-b069-001de07e515988888 - roadrunner ambush locations
(360) Identification Information.MD_DataIdentification.Citation.CI_Citation
Element definition:
name by which the cited resource is known
roadrunner ambush locations
Edit
Save
Cancel
From map canvas
Set global
Search
Show: 7 from 7
Abstract
No abstract provided
Add to WMS list
Open URL
Metadata
View XML
Close
There is a plugin update available
Coordinate:

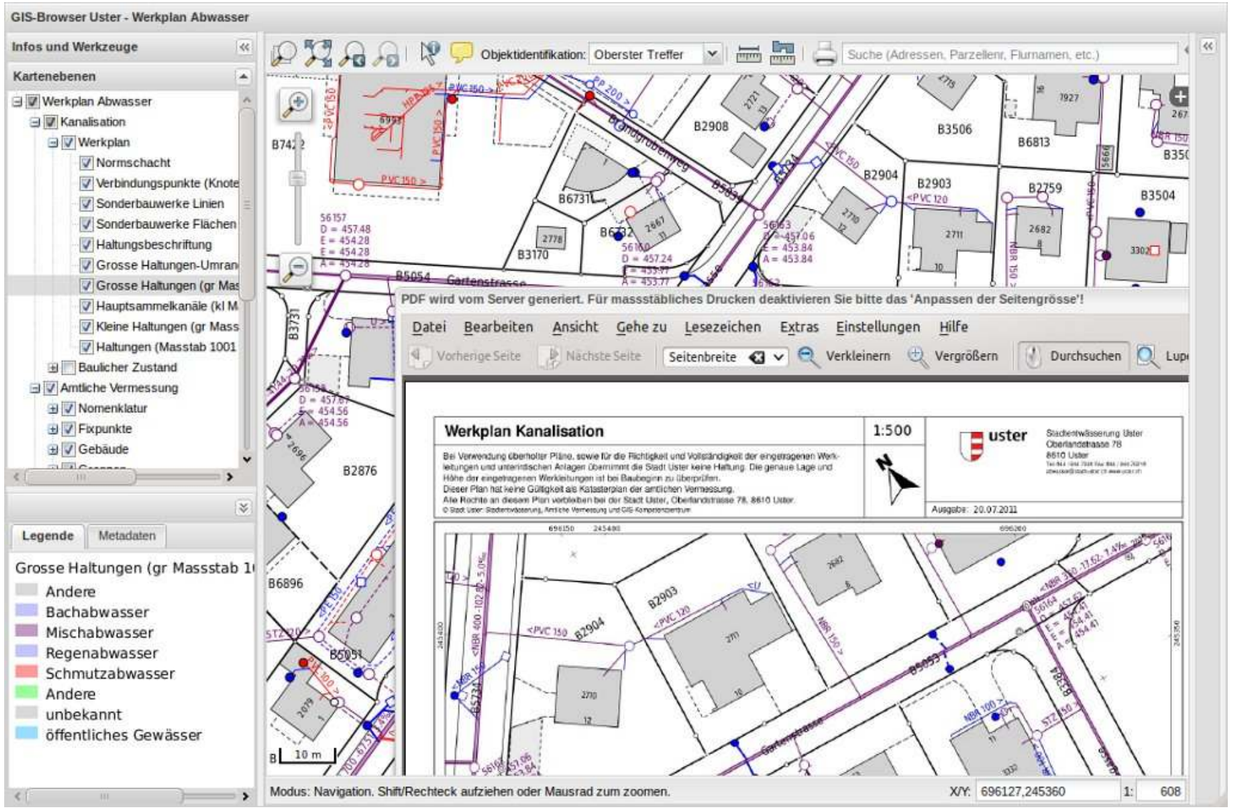
PyWPS


QGIS WPS-Client 2.1.5
Server Connections
PyWPS
Connect
New
Edit
Delete
Bookmarks
Add default server
Filter:
Identifier
Title
Abstract
QGIS WPS-Client 2.1.5
Connection details
Name
PyWPS
URL
http://localhost/pywps/wps.py
Cancel
OK
about
Close
OK

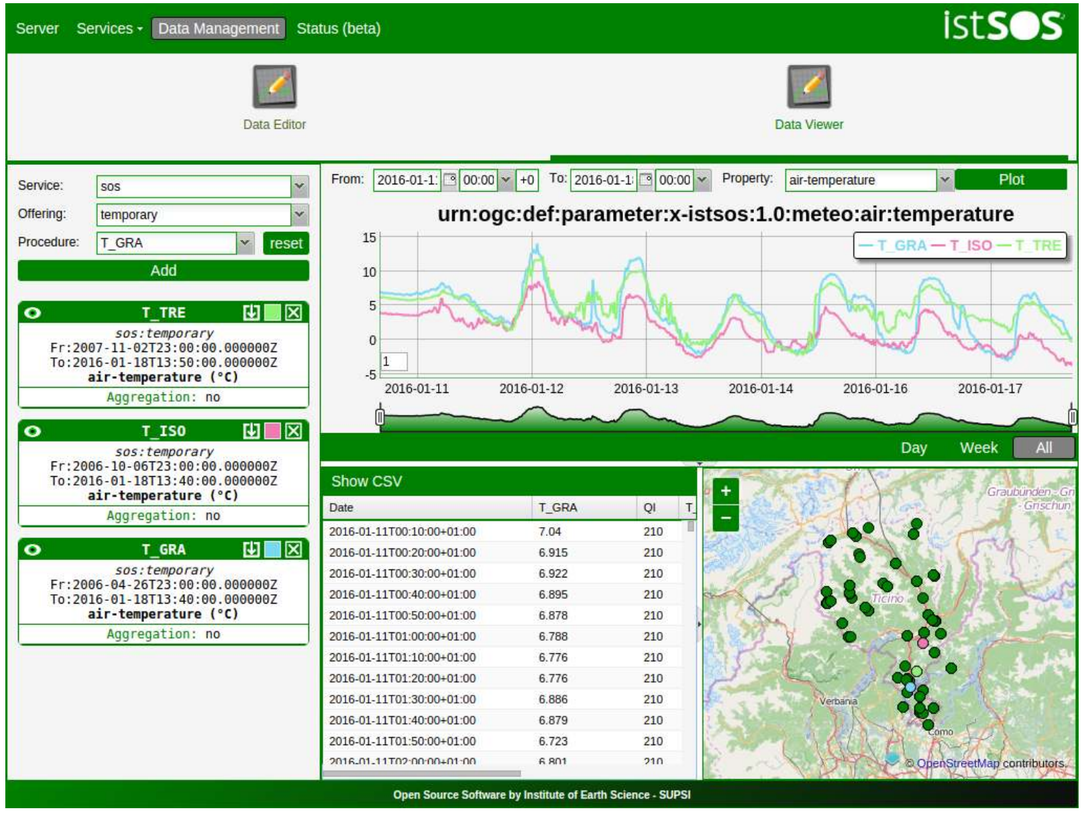
MapProxy


MapProxy
cache
(optional)
any WMS or tile server
MapServer, GeoServer,
ArcGIS Server, etc.
every GIS client
Desktop/Web (WMS),
OpenLayers, GoogleMaps, etc.

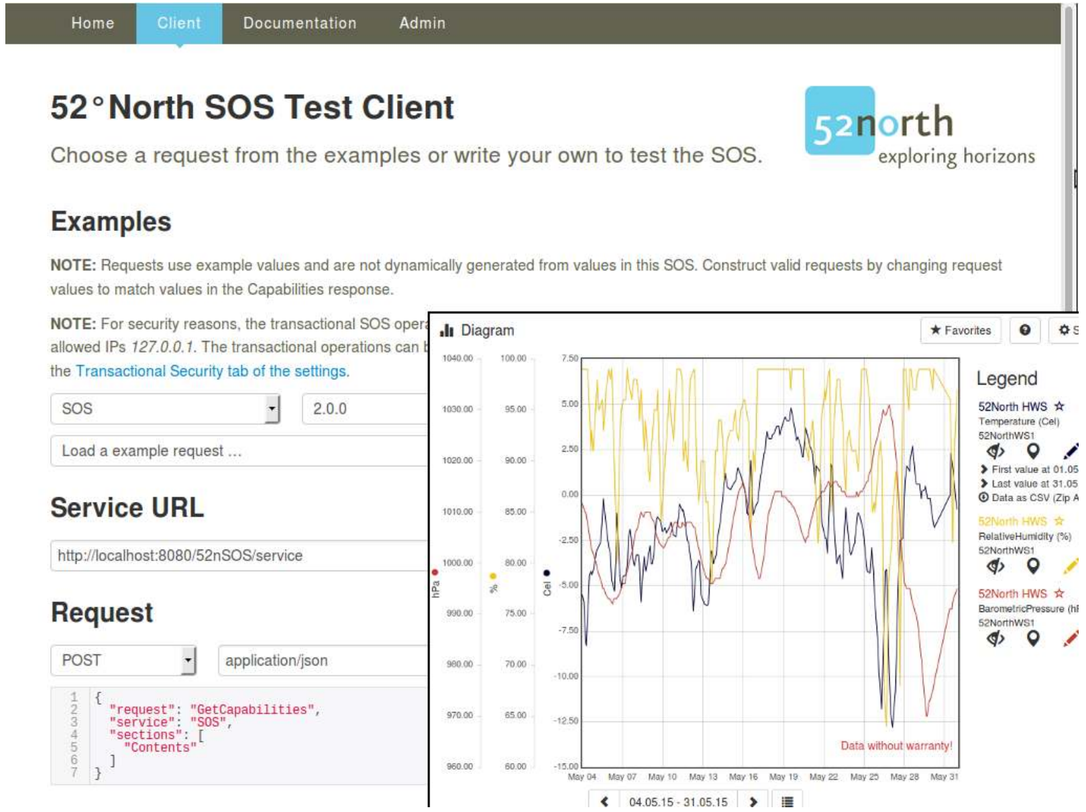
QGIS Server


GIS-Browser Uster - Werkplan Abwasser
Infos und Werkzeuge
Kartenebenen
Werkplan Abwasser
Kanalisation
Werkplan
Normschacht
Verbindungspunkte (Knote
Sonderbauwerke Linien
Sonderbauwerke Flächen
Haltungsbeschriftung
Grosse Haltungen-Umran
Grosse Haltungen (gr Mas
Hauptsammelkanäle (kl M
Kleine Haltungen (gr Mass
Haltungen (Masstab 1001
Baulicher Zustand
Amtliche Vermessung
Nomenklatur
Fixpunkte
Gebäude
Legende
Metadaten
Grosse Haltungen (gr Massstab 1
Andere
Bachabwasser
Mischabwasser
Regenabwasser
Schmutzabwasser
Andere
unbekannt
öffentliches Gewässer
Objektidentifikation:
Oberster Treffer
Suche (Adressen, Parzellen, Flurnamen, etc.)
PDF wird vom Server generiert. Für massstäbliches Drucken deaktivieren Sie bitte das 'Anpassen der Seitengrösse'!
Datei Bearbeiten Ansicht Gehe zu Lesezeichen Extras Einstellungen Hilfe
Vorherige Seite
Nächste Seite
Seitenbreite
Verkleinern
Vergrößern
Durchsuchen
Werkplan Kanalisation
1:500
uster
Ausgabe: 20.07.2011
Modus: Navigation. Shift/Rechteck aufziehen oder Mausrad zum zoomen.
X/Y: 696127,245360
1: 608

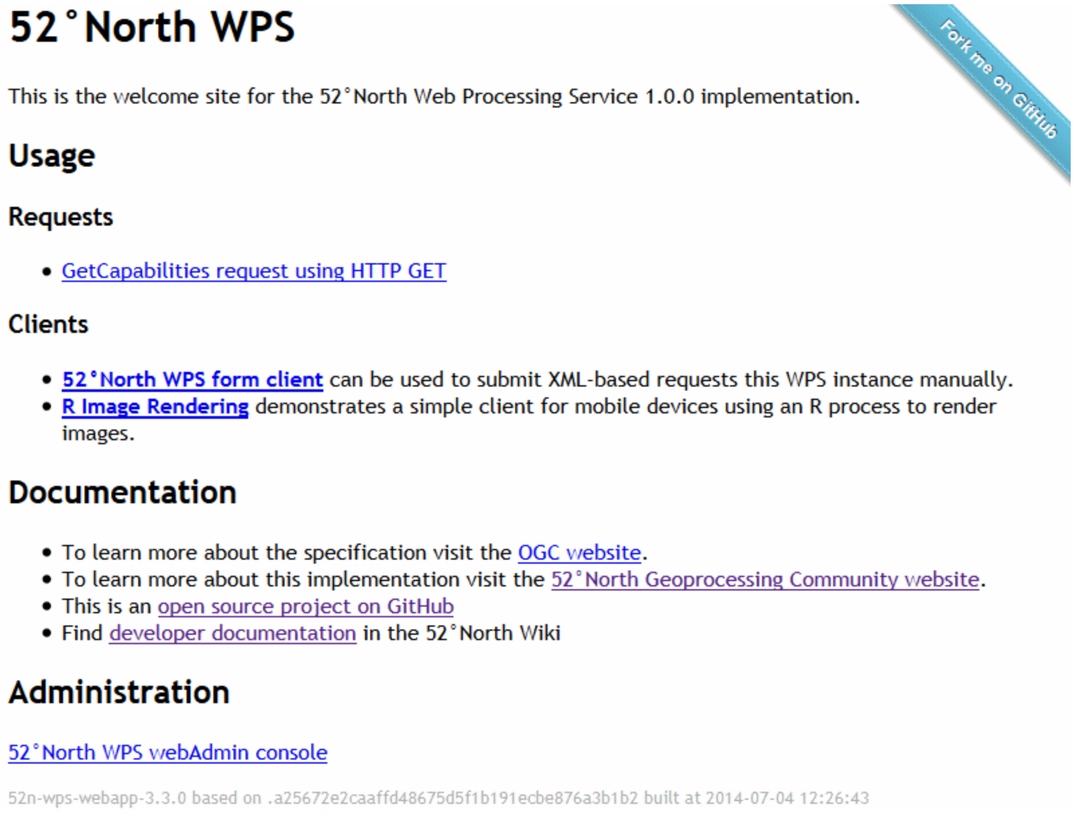
istSOS


Server
Services
Data Management
Status (beta)
istSOS
Data Editor
Data Viewer
Service: sos
Offering: temporary
Procedure: T_GRA
reset
Add
T_TRE
sos:temporary
Fr:2007-11-02T23:00:00.000000Z
To:2016-01-18T13:50:00.000000Z
air-temperature (°C)
Aggregation: no
T_ISO
sos:temporary
Fr:2006-10-06T23:00:00.000000Z
To:2016-01-18T13:40:00.000000Z
air-temperature (°C)
Aggregation: no
T_GRA
sos:temporary
Fr:2006-04-26T23:00:00.000000Z
To:2016-01-18T13:40:00.000000Z
air-temperature (°C)
Aggregation: no
From: 2016-01-1 00:00 +0
To: 2016-01-1 00:00
Property: air-temperature
Plot
urn:ogc:def:parameter:x-istsos:1.0:meteo:air:temperature
T_GRA T_ISO T_TRE
15
10
5
0
-5
2016-01-11
2016-01-12
2016-01-13
2016-01-14
2016-01-16
2016-01-17
Day
Week
All
Show CSV
Date T_GRA QI
2016-01-11T00:10:00+01:00 7.04 210
2016-01-11T00:20:00+01:00 6.915 210
2016-01-11T00:30:00+01:00 6.922 210
2016-01-11T00:40:00+01:00 6.895 210
2016-01-11T00:50:00+01:00 6.878 210
2016-01-11T01:00:00+01:00 6.788 210
2016-01-11T01:10:00+01:00 6.776 210
2016-01-11T01:20:00+01:00 6.776 210
2016-01-11T01:30:00+01:00 6.886 210
2016-01-11T01:40:00+01:00 6.879 210
2016-01-11T01:50:00+01:00 6.723 210
Graubünden
Ticino
Verbania
Como
© OpenStreetMap contributors.
Open Source Software by Institute of Earth Science - SUPSI

52 North SOS


Home
Client
Documentation
Admin
52°North SOS Test Client
Choose a request from the examples or write your own to test the SOS.
52north
exploring horizons
Examples
NOTE: Requests use example values and are not dynamically generated from values in this SOS. Construct valid requests by changing request values to match values in the Capabilities response.
NOTE: For security reasons, the transactional SOS opera
allowed IPs 127.0.0.1. The transactional operations can t
the Transactional Security tab of the settings.
SOS
2.0.0
Load a example request ...
Service URL
http://localhost:8080/52nSOS/service
Request
POST
application/json
{
"request": "GetCapabilities",
"service": "SOS",
"sections": [
"Contents"
]
}
Diagram
Favorites
Legend
52North HWS
Temperature (Cel)
52NorthWS1
First value at 01.05
Last value at 31.05
Data as CSV (Zip A
52North HWS
RelativeHumidity (%)
52NorthWS1
52North HWS
BarometricPressure (hl
52NorthWS1
hPa
%
Cel
Data without warranty!
04.05.15 - 31.05.15

52 North WPS



52°North WPS

Fork me on GitHub

This is the welcome site for the 52°North Web Processing Service 1.0.0 implementation.

Usage

Requests

- GetCapabilities request using HTTP GET

Clients

- **52°North WPS form client** can be used to submit XML-based requests this WPS instance manually.
- **R Image Rendering** demonstrates a simple client for mobile devices using an R process to render images.

Documentation

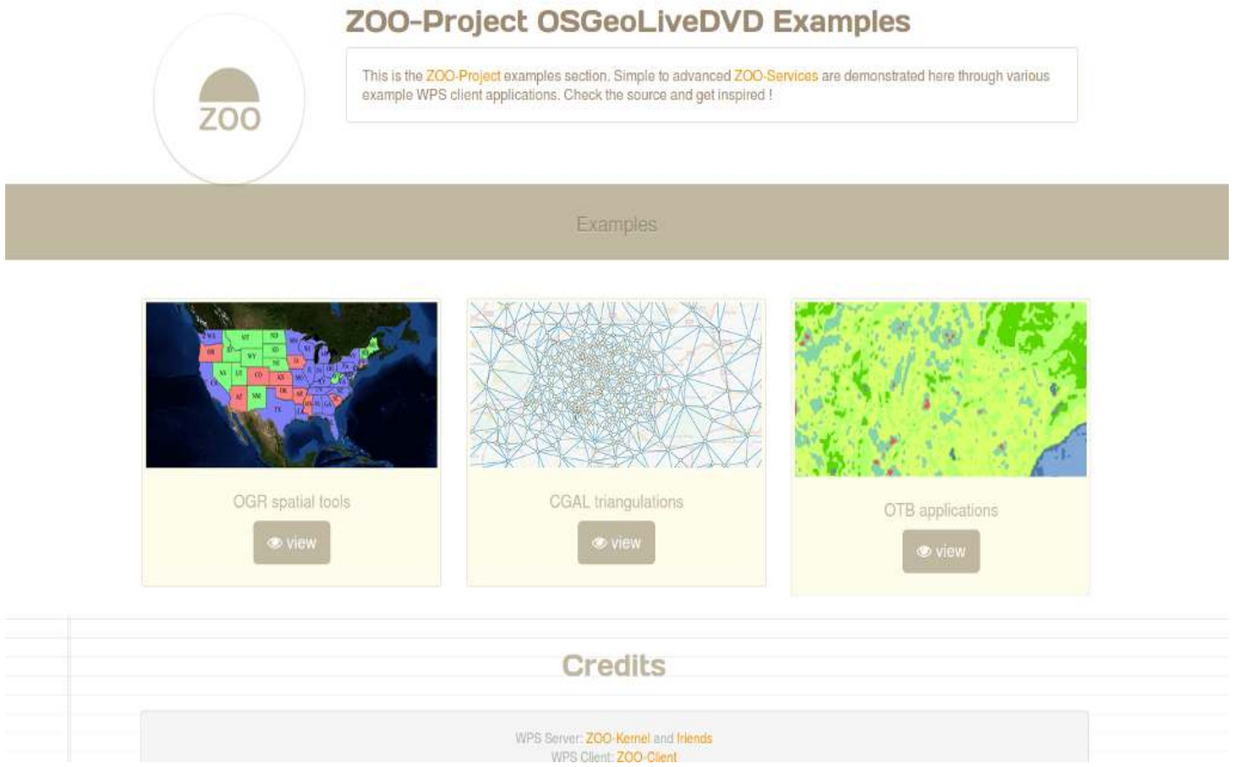
- To learn more about the specification visit the OGC website.
- To learn more about this implementation visit the 52°North Geoprocessing Community website.
- This is an open source project on GitHub
- Find developer documentation in the 52°North Wiki

Administration

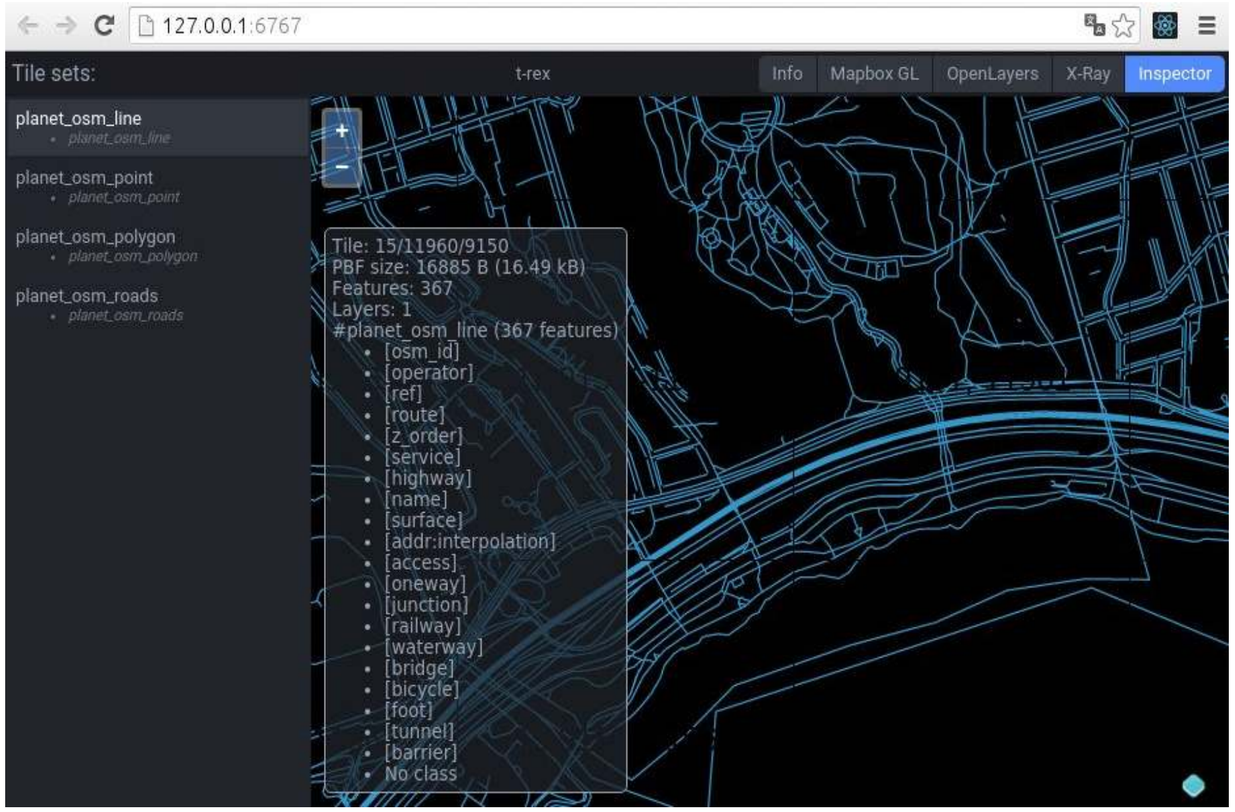
52°North WPS webAdmin console

52n-wps-webapp-3.3.0 based on .a25672e2caaffd48675d5f1b191ecbe876a3b1b2 built at 2014-07-04 12:26:43

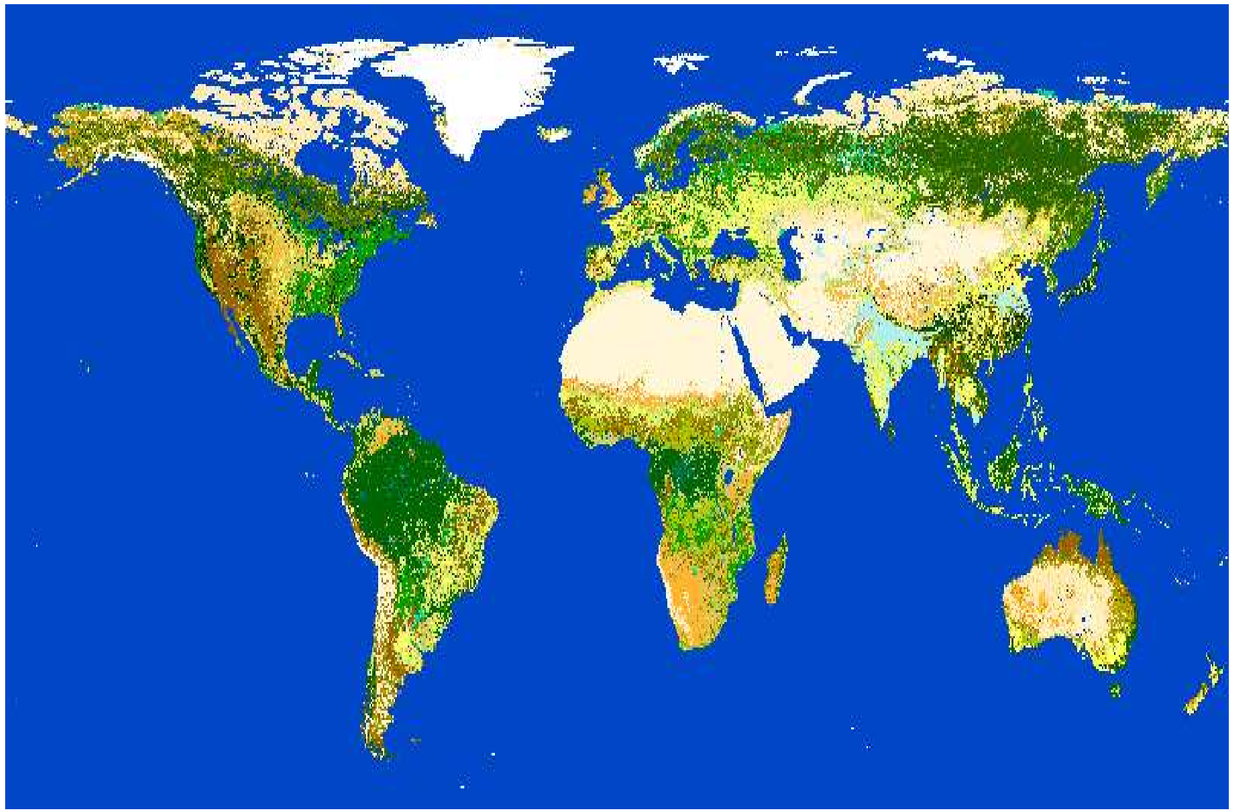
Zoo Project


ZOO-Project OSGeoLiveDVD Examples
ZOO
This is the ZOO-Project examples section. Simple to advanced ZOO-Services are demonstrated here through various example WPS client applications. Check the source and get inspired !
Examples
OGR spatial tools
view
CGAL triangulations
view
OTB applications
view
Credits
WPS Server: ZOO-Kernel and friends
WPS Client: ZOO-Client

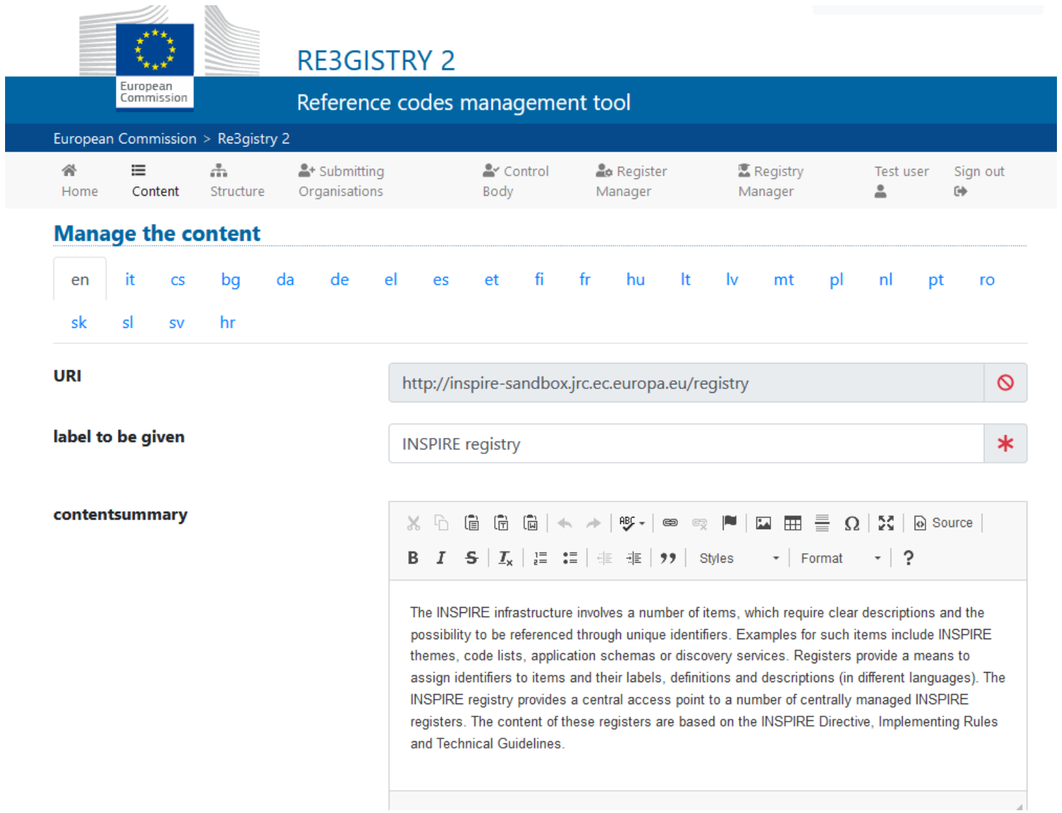
t-rex


127.0.0.1:6767
Tile sets:
t-rex
Info
Mapbox GL
OpenLayers
X-Ray
Inspector
planet_osm_line
planet_osm_line
planet_osm_point
planet_osm_point
planet_osm_polygon
planet_osm_polygon
planet_osm_roads
planet_osm_roads
Tile: 15/11960/9150
PBF size: 16885 B (16.49 kB)
Features: 367
Layers: 1
#planet_osm_line (367 features)
[osm_id]
[operator]
[ref]
[route]
[z_order]
[service]
[highway]
[name]
[surface]
[addr:interpolation]
[access]
[oneway]
[junction]
[railway]
[waterway]
[bridge]
[bicycle]
[foot]
[tunnel]
[barrier]
No class

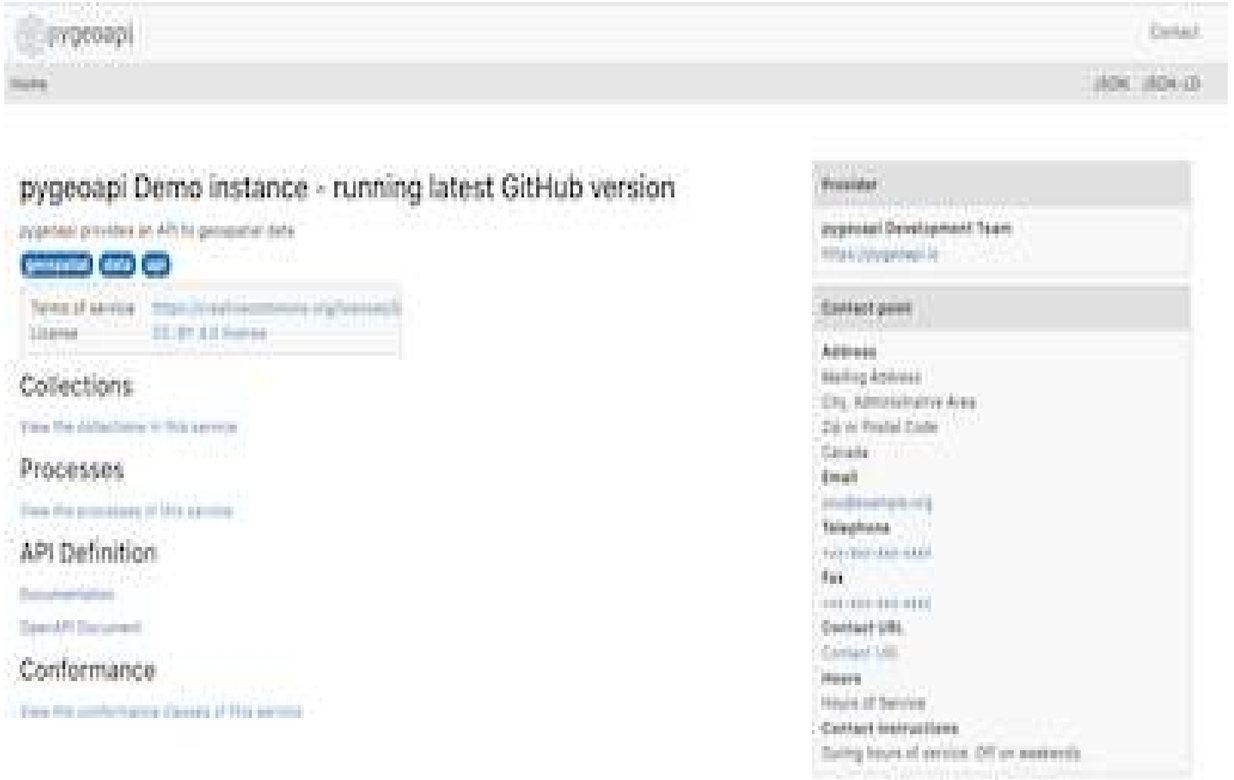
Actinia



Re3gistry


RE3GISTRY 2
Reference codes management tool
European Commission > Re3gistry 2
Home
Content
Structure
Submitting Organisations
Control Body
Register Manager
Registry Manager
Test user
Sign out
Manage the content
en it cs bg da de el es et fi fr hu lt lv mt pl nl pt ro sk sl sv hr
URI
http://inspire-sandbox.jrc.ec.europa.eu/registry
label to be given
INSPIRE registry
contentsummary
Source
Styles
Format
The INSPIRE infrastructure involves a number of items, which require clear descriptions and the possibility to be referenced through unique identifiers. Examples for such items include INSPIRE themes, code lists, application schemas or discovery services. Registers provide a means to assign identifiers to items and their labels, definitions and descriptions (in different languages). The INSPIRE registry provides a central access point to a number of centrally managed INSPIRE registers. The content of these registers are based on the INSPIRE Directive, Implementing Rules and Technical Guidelines.

pygeoapi

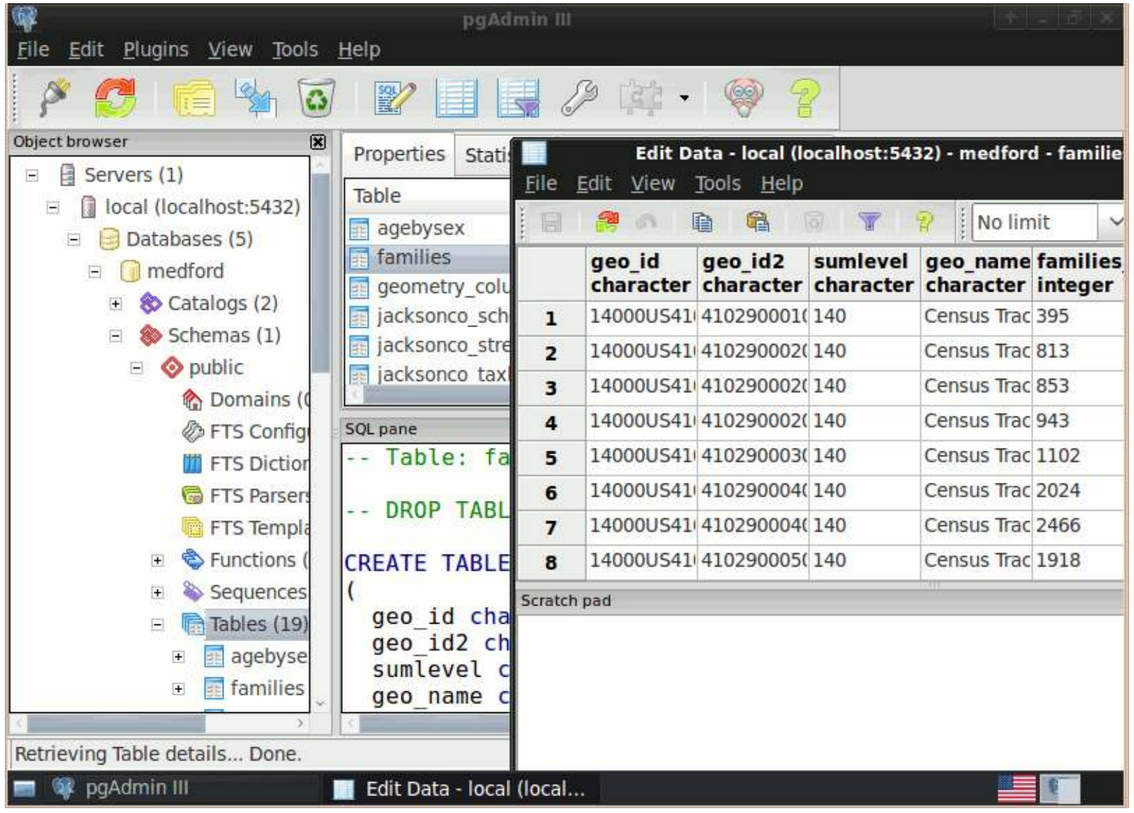

pygeoapi
pygeoapi Demo instance - running latest GitHub version
Collections
Processes
API Definition
Conformance

Data Stores

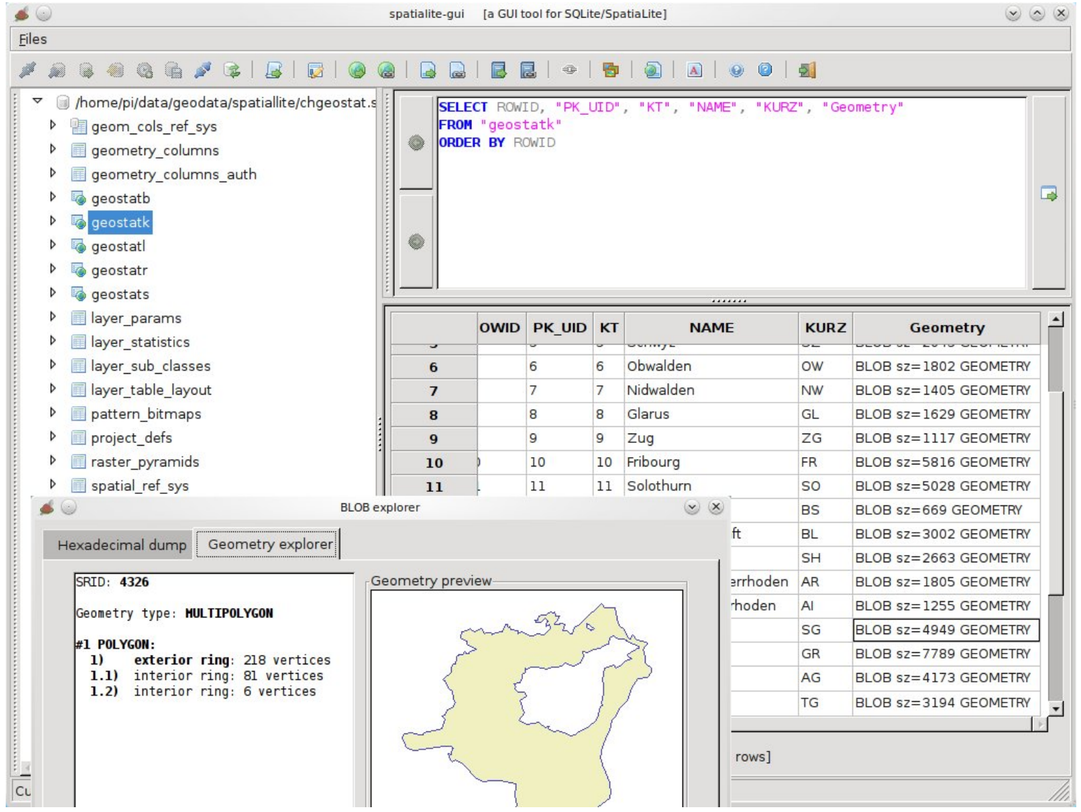
Storing spatial data

PostGIS *SpatiaLite* *Rasdaman* *pgRouting*

PostGIS


pgAdmin III
File Edit Plugins View Tools Help
Object browser
Servers (1)
local (localhost:5432)
Databases (5)
medford
Catalogs (2)
Schemas (1)
public
Domains (
FTS Config
FTS Dictior
FTS Parsers
FTS Templa
Functions (
Sequences
Tables (19)
agebyse
families
Properties
Table
agebysex
families
geometry_colu
jacksonco_sch
jacksonco_stre
jacksonco_tax
SQL pane
-- Table: fa
-- DROP TABL
CREATE TABLE
(
geo_id cha
geo_id2 ch
sumlevel c
geo_name c
Edit Data - local (localhost:5432) - medford - familie
File Edit View Tools Help
No limit
geo_id character
geo_id2 character
sumlevel character
geo_name character
families integer
1 14000US41 41029000 140 Census Trac 395
2 14000US41 41029000 140 Census Trac 813
3 14000US41 41029000 140 Census Trac 853
4 14000US41 41029000 140 Census Trac 943
5 14000US41 41029000 140 Census Trac 1102
6 14000US41 41029000 140 Census Trac 2024
7 14000US41 41029000 140 Census Trac 2466
8 14000US41 41029000 140 Census Trac 1918
Scratch pad
Retrieving Table details... Done.
pgAdmin III
Edit Data - local (local...

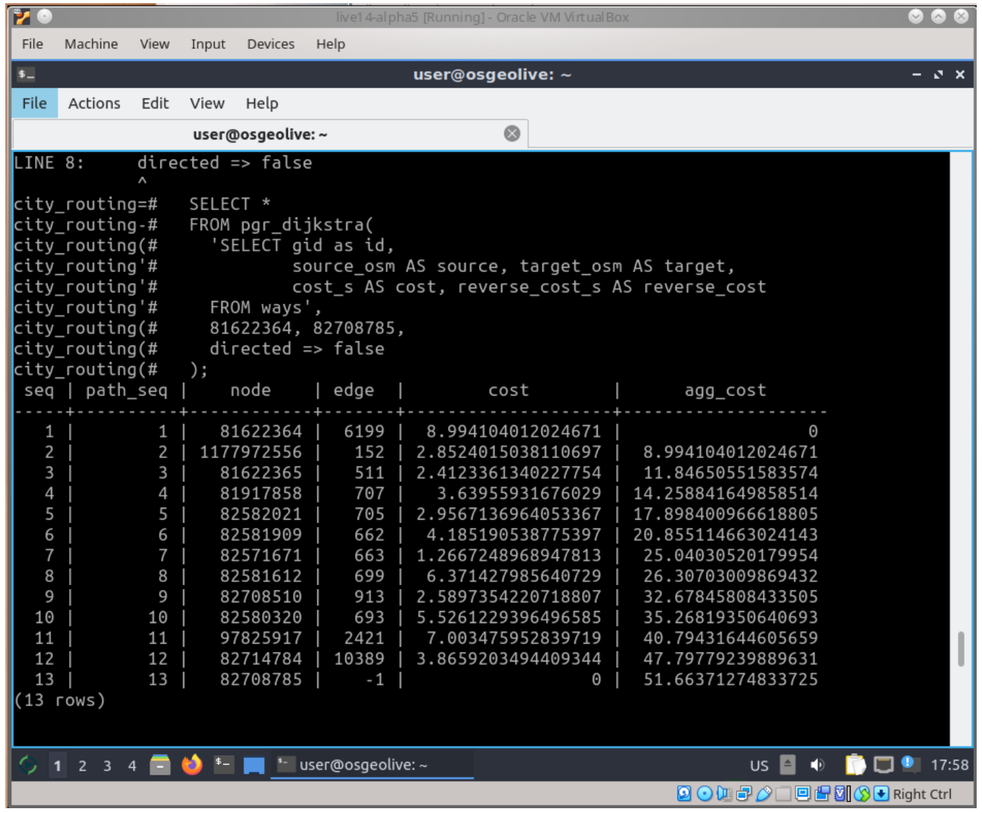
SpatiaLite


spatialite-gui [a GUI tool for SQLite/SpatiaLite]
Files
/home/pi/data/geodata/spatiallite/chgeostat.s
geom_cols_ref_sys
geometry_columns
geometry_columns_auth
geostatb
geostatk
geostatl
geostatr
geostats
layer_params
layer_statistics
layer_sub_classes
layer_table_layout
pattern_bitmaps
project_defs
raster_pyramids
spatial_ref_sys
SELECT ROWID, "PK_UID", "KT", "NAME", "KURZ", "Geometry"
FROM "geostatk"
ORDER BY ROWID
OWID PK_UID KT NAME KURZ Geometry
6 6 6 Obwalden OW BLOB sz=1802 GEOMETRY
7 7 7 Nidwalden NW BLOB sz=1405 GEOMETRY
8 8 8 Glarus GL BLOB sz=1629 GEOMETRY
9 9 9 Zug ZG BLOB sz=1117 GEOMETRY
10 10 10 Fribourg FR BLOB sz=5816 GEOMETRY
11 11 11 Solothurn SO BLOB sz=5028 GEOMETRY
BS BLOB sz=669 GEOMETRY
BL BLOB sz=3002 GEOMETRY
SH BLOB sz=2663 GEOMETRY
AR BLOB sz=1805 GEOMETRY
AI BLOB sz=1255 GEOMETRY
SG BLOB sz=4949 GEOMETRY
GR BLOB sz=7789 GEOMETRY
AG BLOB sz=4173 GEOMETRY
TG BLOB sz=3194 GEOMETRY
rows]
BLOB explorer
Hexadecimal dump
Geometry explorer
SRID: 4326
Geometry type: MULTIPOLYGON
#1 POLYGON:
1) exterior ring: 218 vertices
1.1) interior ring: 81 vertices
1.2) interior ring: 6 vertices
Geometry preview

Rasdaman


rasdaman
raster data manager
Open source.
Open standards.
Flexible and scalable.
Cost saving.
Fast.
www.rasda

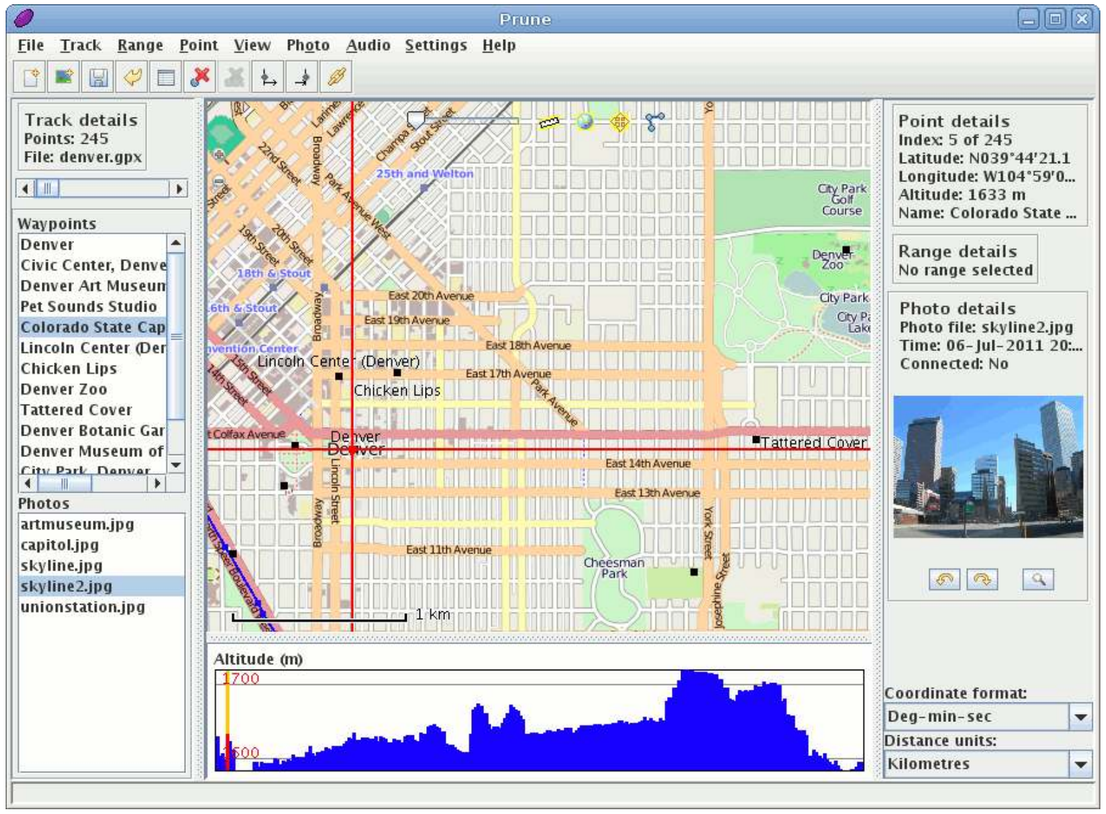
pgRouting


live14-alpha5 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
user@osgeolive: ~
File Actions Edit View Help
user@osgeolive: ~
LINE 8: directed => false
^
city_routing=# SELECT *
city_routing-# FROM pgr_dijkstra(
city_routing(# 'SELECT gid as id,
city_routing'# source_osm AS source, target_osm AS target,
city_routing'# cost_s AS cost, reverse_cost_s AS reverse_cost
city_routing'# FROM ways',
city_routing(# 81622364, 82708785,
city_routing(# directed => false
city_routing(#);
seq | path_seq | node | edge | cost | agg_cost
1 | 1 | 81622364 | 6199 | 8.994104012024671 | 0
2 | 2 | 1177972556 | 152 | 2.8524015038110697 | 8.994104012024671
3 | 3 | 81622365 | 511 | 2.4123361340227754 | 11.84650551583574
4 | 4 | 81917858 | 707 | 3.63955931676029 | 14.258841649858514
5 | 5 | 82582021 | 705 | 2.956713696405336 | 17.898400966618805
6 | 6 | 82581909 | 662 | 4.185190538775397 | 20.855114663024143
7 | 7 | 82571671 | 663 | 1.2667248968947813 | 25.040305201799 54
8 | 8 | 82581612 | 699 | 6.371427985640729 | 26.30703009869432
9 | 9 | 82708510 | 913 | 2.5897354220718807 | 32.67845808433505
10 | 10 | 82580320 | 693 | 5.5261229396496585 | 35.26819350640693
11 | 11 | 97825917 | 2421 | 7.003475952839719 | 40.79431644605659
12 | 12 | 82714784 | 10389 | 3.8659203494409344 | 47.79779239889631
13 | 13 | 82708785 | -1 | 0 | 51.66371274833725
(13 rows)
1 2 3 4 user@osgeolive: ~
US 17:58
Right Ctrl

Navigation and Maps

GpsPrune	*Marble*	*OpenStreetMap*	*iD editor*
JOSM	*OpenCPN*		

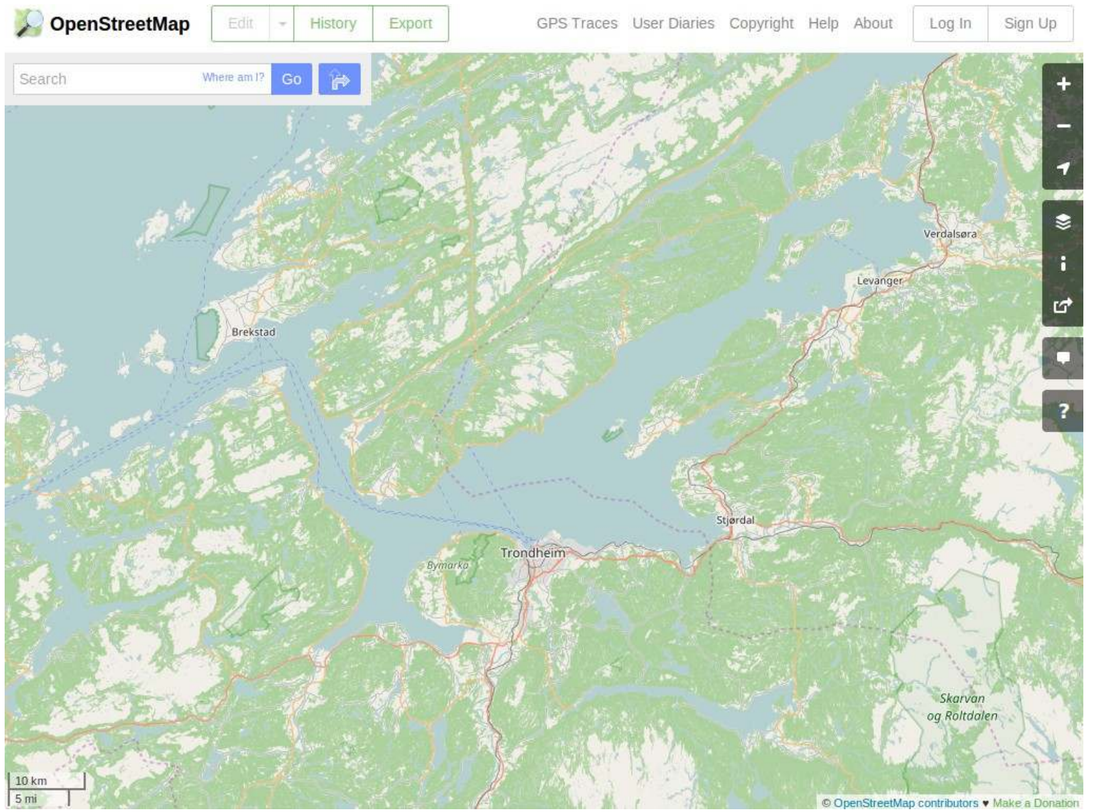
GpsPrune


Prune
File Track Range Point View Photo Audio Settings Help
Track details
Points: 245
File: denver.gpx
Waypoints
Denver
Civic Center, Denve
Denver Art Museum
Pet Sounds Studio
Colorado State Cap
Lincoln Center (Der
Chicken Lips
Denver Zoo
Tattered Cover
Denver Botanic Gar
Denver Museum of
Photos
artmuseum.jpg
capitol.jpg
skyline.jpg
skyline2.jpg
unionstation.jpg
Lincoln Center (Denver)
Chicken Lips
Tattered Cover
25th and Welton
18th & Stout
16th & Stout
East 20th Avenue
East 19th Avenue
East 18th Avenue
East 17th Avenue
East 14th Avenue
East 13th Avenue
East 11th Avenue
Park Avenue
Broadway
Lincoln Street
York Street
Josephine Street
City Park Golf Course
Denver Zoo
Cheesman Park
1 km
Altitude (m)
1700
1600
Point details
Index: 5 of 245
Latitude: N039°44'21.1
Longitude: W104°59'0...
Altitude: 1633 m
Name: Colorado State ...
Range details
No range selected
Photo details
Photo file: skyline2.jpg
Time: 06-Jul-2011 20:...
Connected: No
Coordinate format:
Deg-min-sec
Distance units:
Kilometres

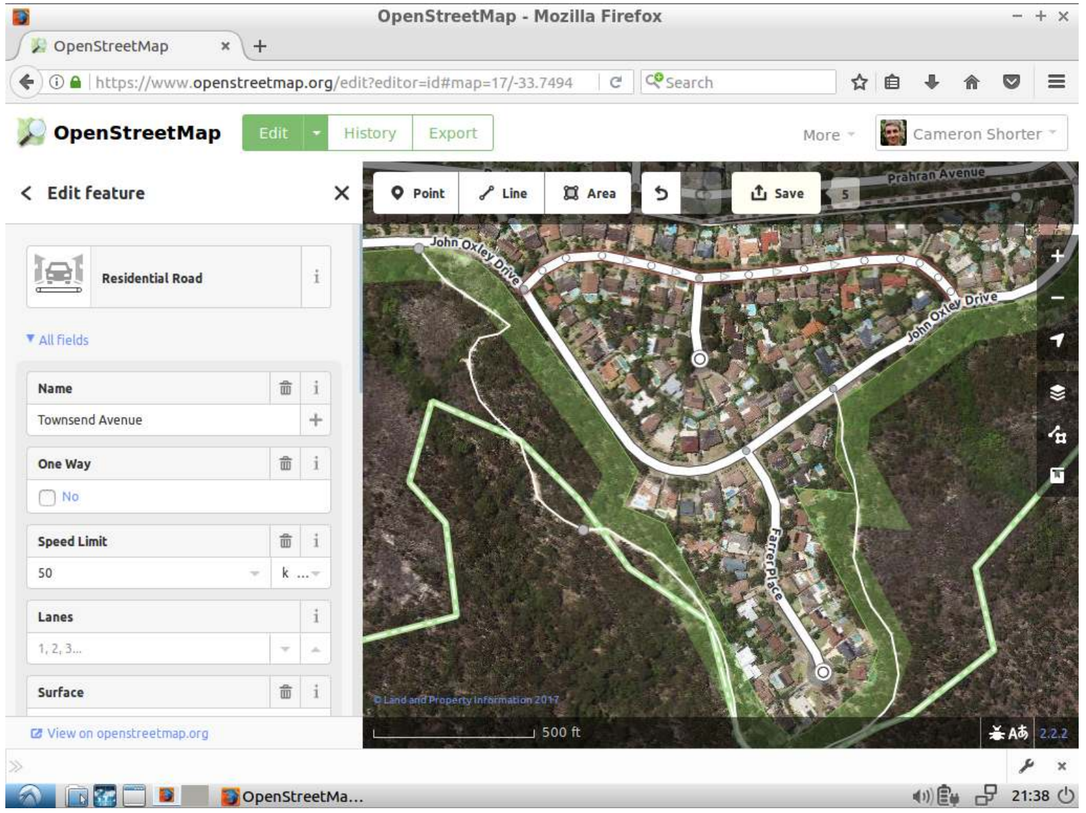
Marble


File
Edit
View
Bookmarks
Settings
Help
Virgo
Corona Australis
0 mi
2200
4400

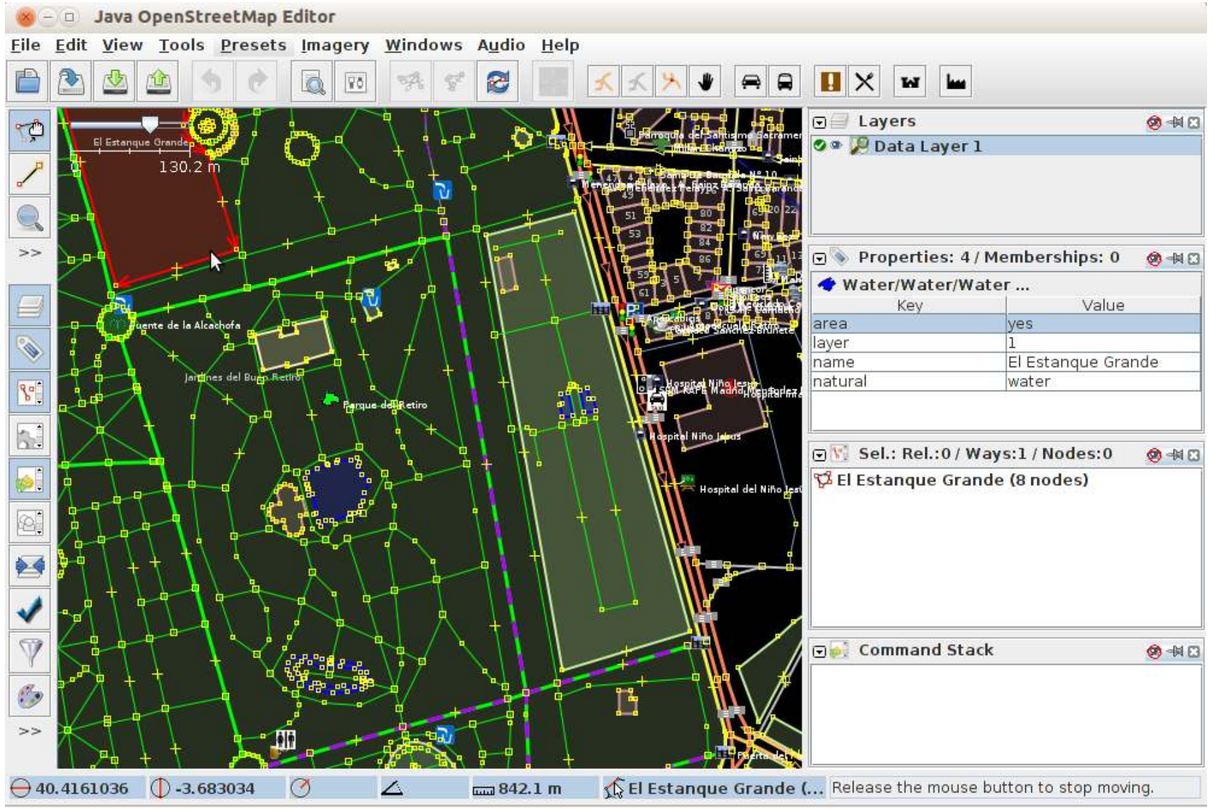
OpenStreetMap



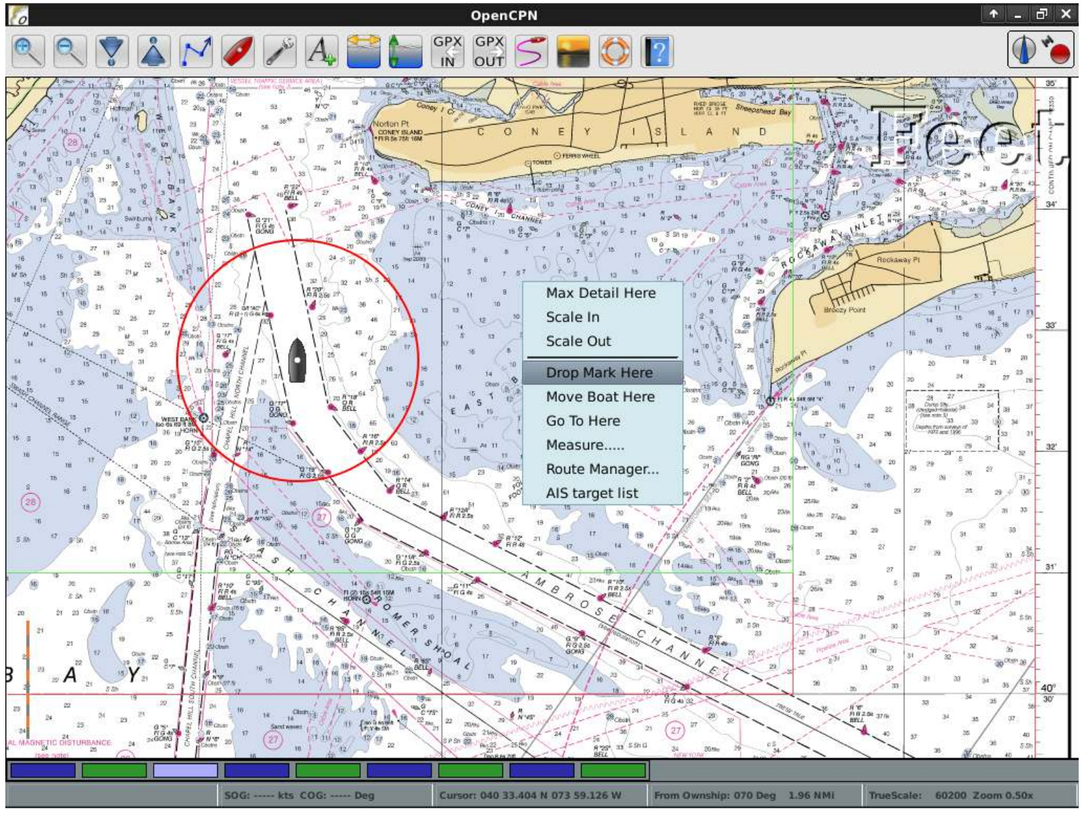
iD editor


OpenStreetMap - Mozilla Firefox
OpenStreetMap
https://www.openstreetmap.org/edit?editor=id#map=17/-33.7494
Search
OpenStreetMap
Edit
History
Export
More
Cameron Shorter
Edit feature
Residential Road
All fields
Name
Townsend Avenue
One Way
No
Speed Limit
50
Lanes
1, 2, 3...
Surface
View on openstreetmap.org
Point
Line
Area
Save
5
Prahran Avenue
John Oxley Drive
John Oxley Drive
Farrer Place
© Land and Property Information 2017
500 ft
2.2.2
OpenStreetMa...
21:38

JOSM


Java OpenStreetMap Editor
File Edit View Tools Presets Imagery Windows Audio Help
El Estanque Grande
130.2 m
Layers
Data Layer 1
Properties: 4 / Memberships: 0
Water/Water/Water ...
Key
Value
area
yes
layer
1
name
El Estanque Grande
natural
water
Sel.: Rel.:0 / Ways:1 / Nodes:0
El Estanque Grande (8 nodes)
Command Stack
40.4161036
-3.683034
842.1 m
El Estanque Grande (...
Release the mouse button to stop moving.

OpenCPN

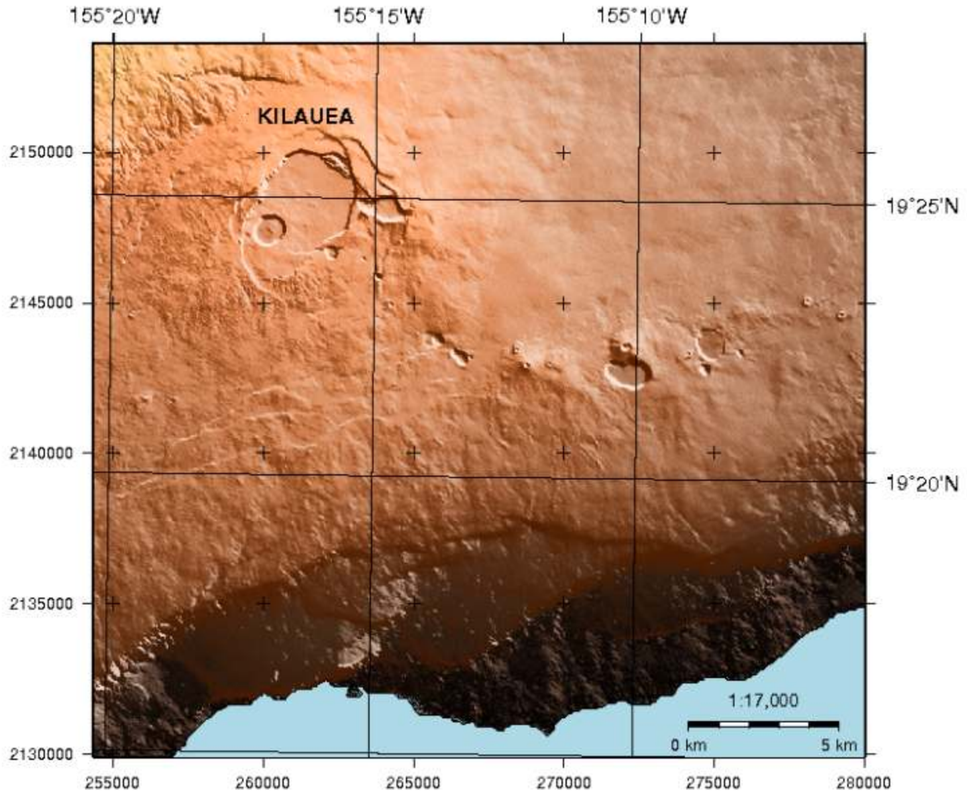

OpenCPN
Max Detail Here
Scale In
Scale Out
Drop Mark Here
Move Boat Here
Go To Here
Measure.....
Route Manager...
AIS target list
SOG: ----- kts COG: ----- Deg
Cursor: 040 33.404 N 073 59.126 W
From Ownship: 070 Deg 1.96 NMi
TrueScale: 60200 Zoom 0.50x

Spatial Tools

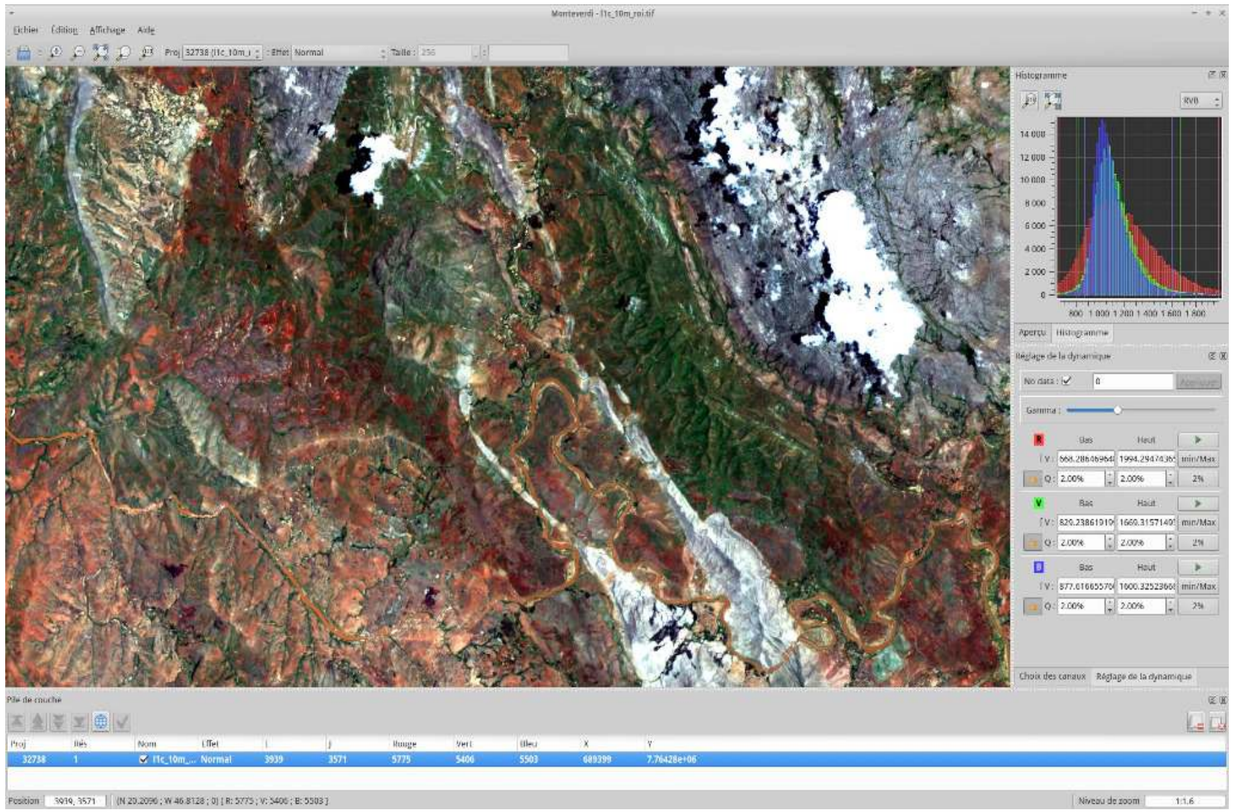
Specific analysis tools

GMT	*OTB*	*R*
Mapnik	*Jupyter Notebook*	

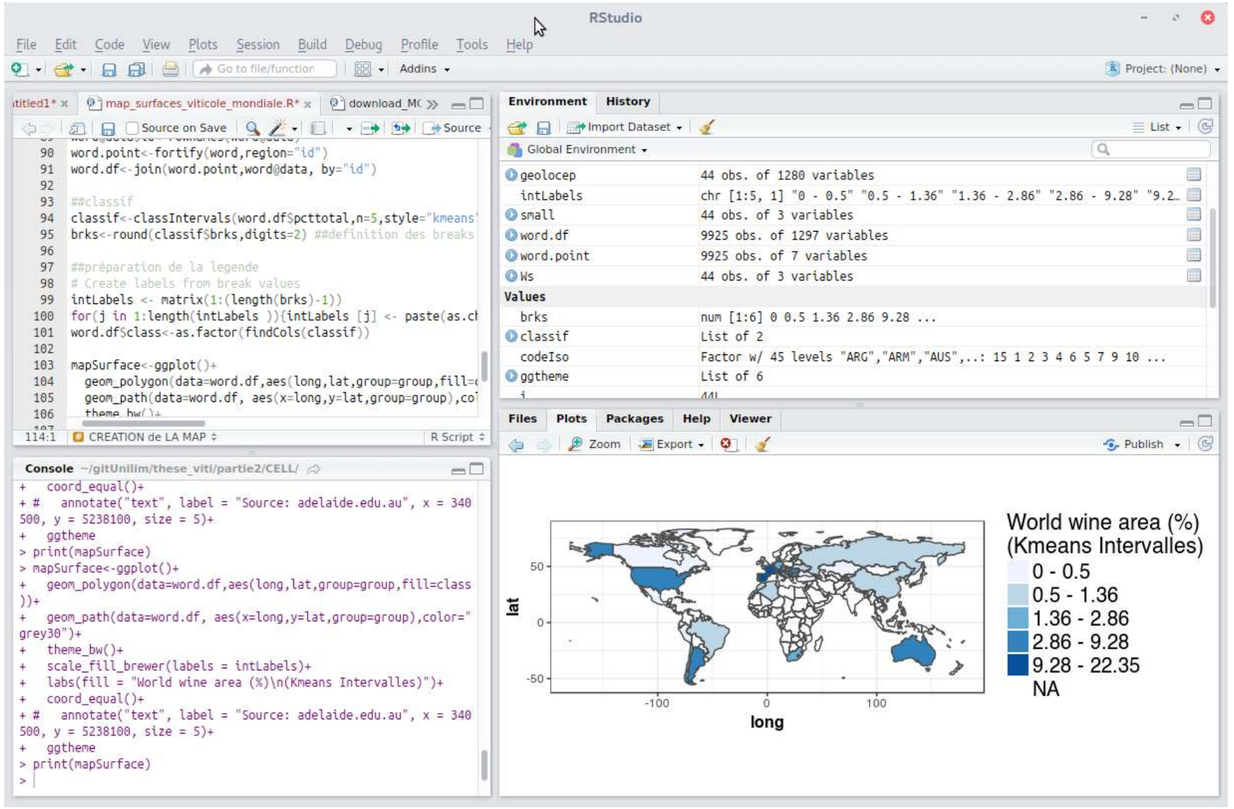
GMT


155°20'W
155°15'W
155°10'W
KILAUEA
2150000
2145000
2140000
2135000
2130000
19°25'N
19°20'N
1:17,000
0 km
5 km
255000
260000
265000
270000
275000
280000

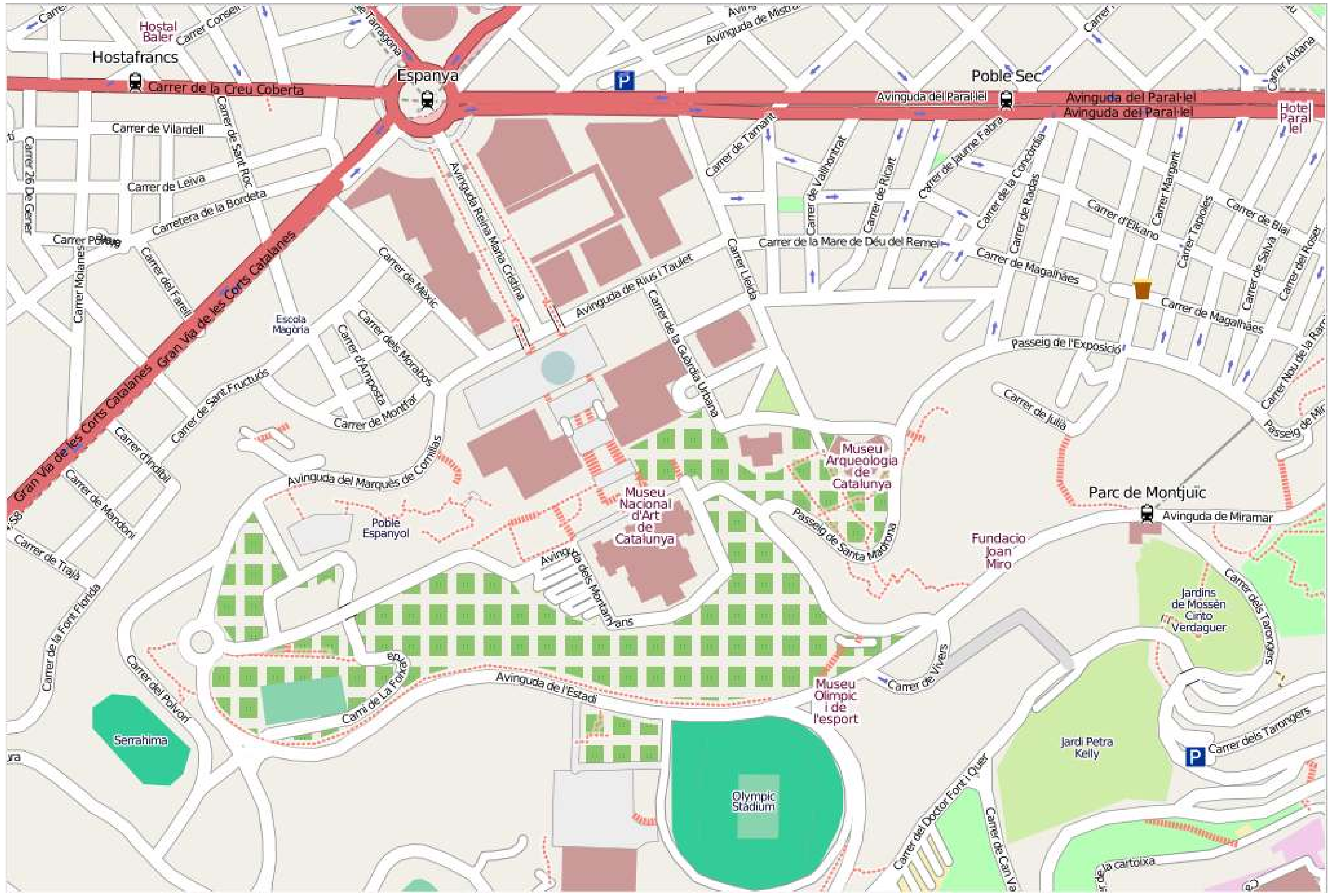
OTB - ORFEO Toolbox



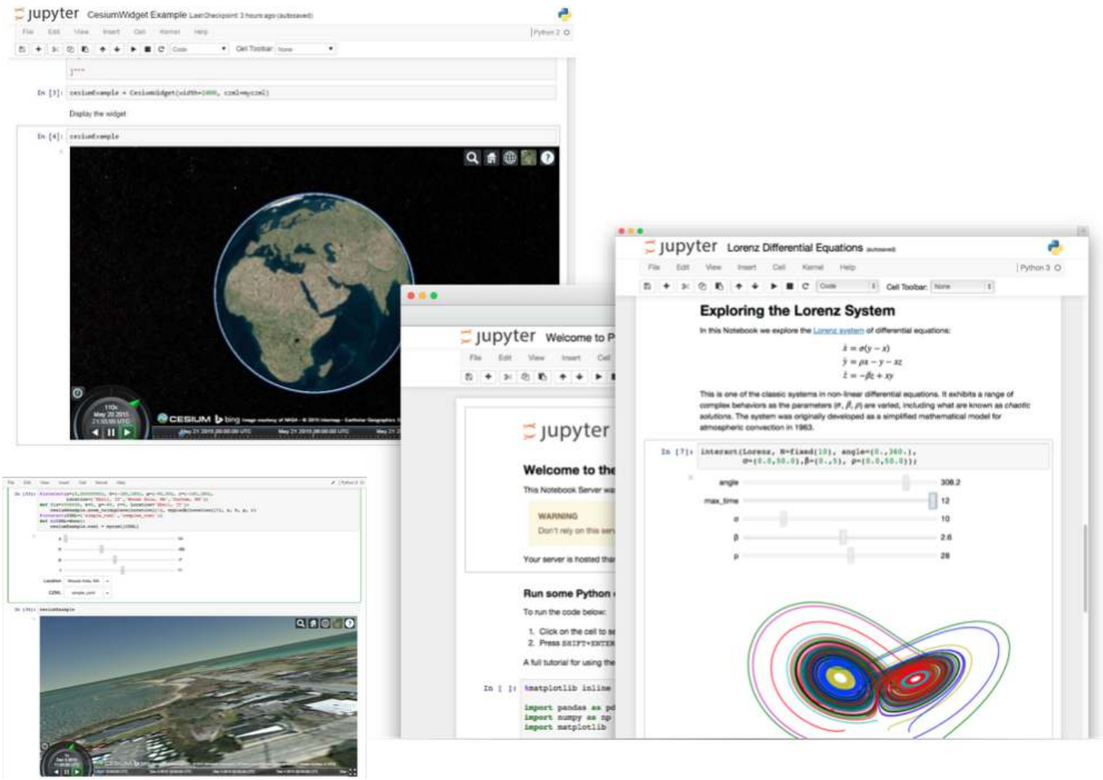
R


RStudio
File Edit Code View Plots Session Build Debug Profile Tools Help
Addins
Project: (None)
map_surfaces_viticole_mondiale.R*
Source on Save
Source
word.point<-fortify(word,region="id")
word.df<-join(word.point,word@data, by="id")
##classif
classif<-classIntervals(word.df$pcttotal,n=5,style="kmeans"
brks<-round(classif$brks,digits=2) ##definition des breaks
##préparation de la legende
# Create labels from break values
intLabels <- matrix(1:(length(brks)-1))
word.df$class<-as.factor(findCols(classif))
mapSurface<-ggplot()+
geom_polygon(data=word.df,aes(long,lat,group=group,fill=
geom_path(data=word.df, aes(x=long,y=lat,group=group),co
theme_bw()+
114:1
CREATION de LA MAP
R Script
Console ~/gitUnilim/these_viti/partie2/CELL/
+ coord_equal()+
+ # annotate("text", label = "Source: adelaide.edu.au", x = 340
500, y = 5238100, size = 5)+
+ ggtheme
> print(mapSurface)
> mapSurface<-ggplot()+
+ geom_polygon(data=word.df,aes(long,lat,group=group,fill=class
))+
+ geom_path(data=word.df, aes(x=long,y=lat,group=group),color="
grey30")+
+ theme_bw()+
+ scale_fill_brewer(labels = intLabels)+
+ labs(fill = "World wine area (%)\n(Kmeans Intervalles)")+
+ coord_equal()+
+ # annotate("text", label = "Source: adelaide.edu.au", x = 340
500, y = 5238100, size = 5)+
+ ggtheme
> print(mapSurface)
>
Environment History
Import Dataset
List
Global Environment
geolocep 44 obs. of 1280 variables
intLabels chr [1:5, 1] "0 - 0.5" "0.5 - 1.36" "1.36 - 2.86" "2.86 - 9.28" "9.2...
small 44 obs. of 3 variables
word.df 9925 obs. of 1297 variables
word.point 9925 obs. of 7 variables
Ws 44 obs. of 3 variables
Values
brks num [1:6] 0 0.5 1.36 2.86 9.28 ...
classif List of 2
codeIso Factor w/ 45 levels "ARG","ARM","AUS",..: 15 1 2 3 4 6 5 7 9 10 ...
ggtheme List of 6
Files Plots Packages Help Viewer
Zoom
Export
Publish
lat
50
0
-50
-100
0
100
long
World wine area (%)
(Kmeans Intervalles)
0 - 0.5
0.5 - 1.36
1.36 - 2.86
2.86 - 9.28
9.28 - 22.35
NA

Mapnik


Hostal Baler
Hostafrancs
Carrer de la Creu Coberta
Espanya
Poble Sec
Avinguda del Paral·lel
Hotel Paral·lel
Carrer de Vilardell
Carrer de Leiva
Carretera de la Bordeta
Gran Via de les Corts Catalanes
Avinguda Reina Maria Cristina
Avinguda de Rius i Taulet
Carrer de la Mare de Déu del Remei
Carrer de Magalhães
Passeig de l'Exposició
Escola Magòria
Carrer de Sant Fructuós
Carrer de Montfar
Avinguda del Marquès de Comillas
Poble Espanyol
Museu Nacional d'Art de Catalunya
Museu Arqueologia de Catalunya
Passeig de Santa Madrona
Parc de Montjuïc
Avinguda de Miramar
Fundacio Joan Miro
Jardins de Mossèn Cinto Verdaguer
Avinguda de l'Estadi
Museu Olímpic i de l'esport
Carrer de Vivers
Jardí Petra Kelly
Carrer dels Tarongers
Serrahima
Olympic Stadium
Carrer del Polvorí
Carrer de la Font Florida
Carrer de Mandoni
Carrer de Tarragona

Jupyter Notebook

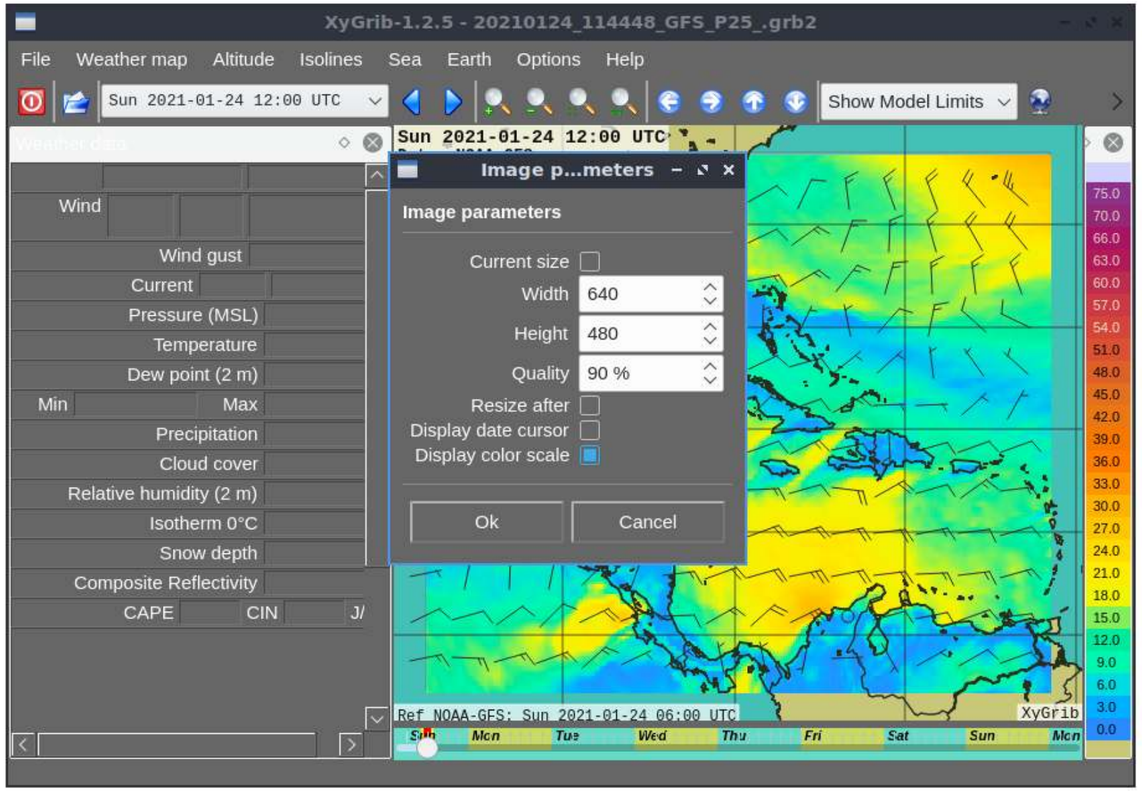


Domain Specific GIS

Applications targeted at a specific domain

XyGrib

XyGrib

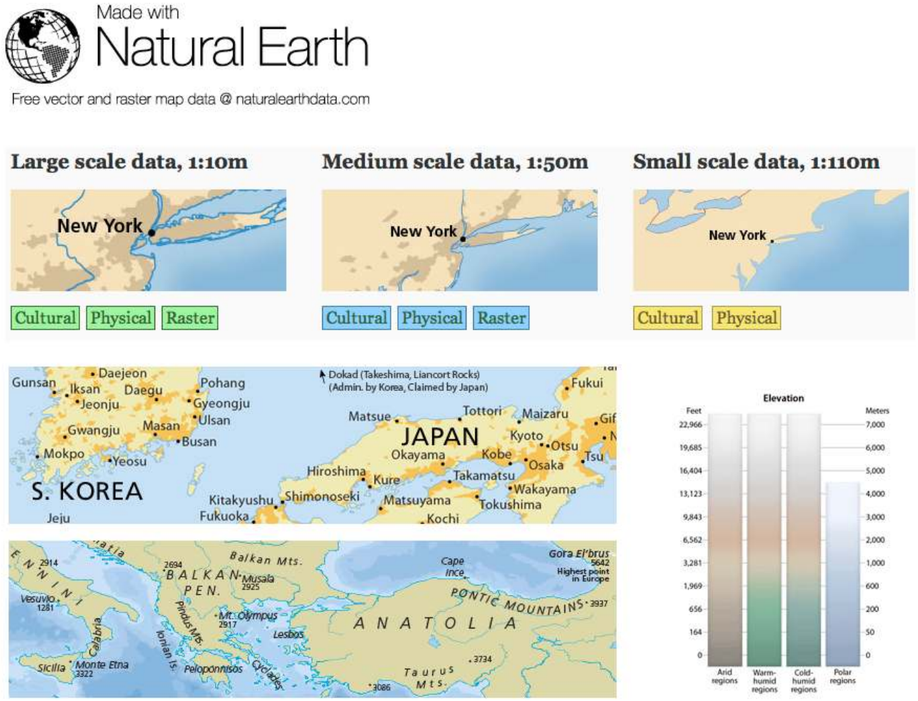

XyGrib-1.2.5 - 20210124_114448_GFS_P25_.grb2
File
Weather map
Altitude
Isolines
Sea
Earth
Options
Help
Sun 2021-01-24 12:00 UTC
Show Model Limits
Weather data
Wind
Wind gust
Current
Pressure (MSL)
Temperature
Dew point (2 m)
Min
Max
Precipitation
Cloud cover
Relative humidity (2 m)
Isotherm 0°C
Snow depth
Composite Reflectivity
CAPE
CIN
J/
Image p...meters
Image parameters
Current size
Width
640
Height
480
Quality
90 %
Resize after
Display date cursor
Display color scale
Ok
Cancel
Sun 2021-01-24 12:00 UTC
75.0
70.0
66.0
63.0
60.0
57.0
54.0
51.0
48.0
45.0
42.0
39.0
36.0
33.0
30.0
27.0
24.0
21.0
18.0
15.0
12.0
9.0
6.0
3.0
0.0
Ref NOAA-GFS: Sun 2021-01-24 06:00 UTC
XyGrib
Sun
Mon
Tue
Wed
Thu
Fri
Sat
Sun
Mon

Data

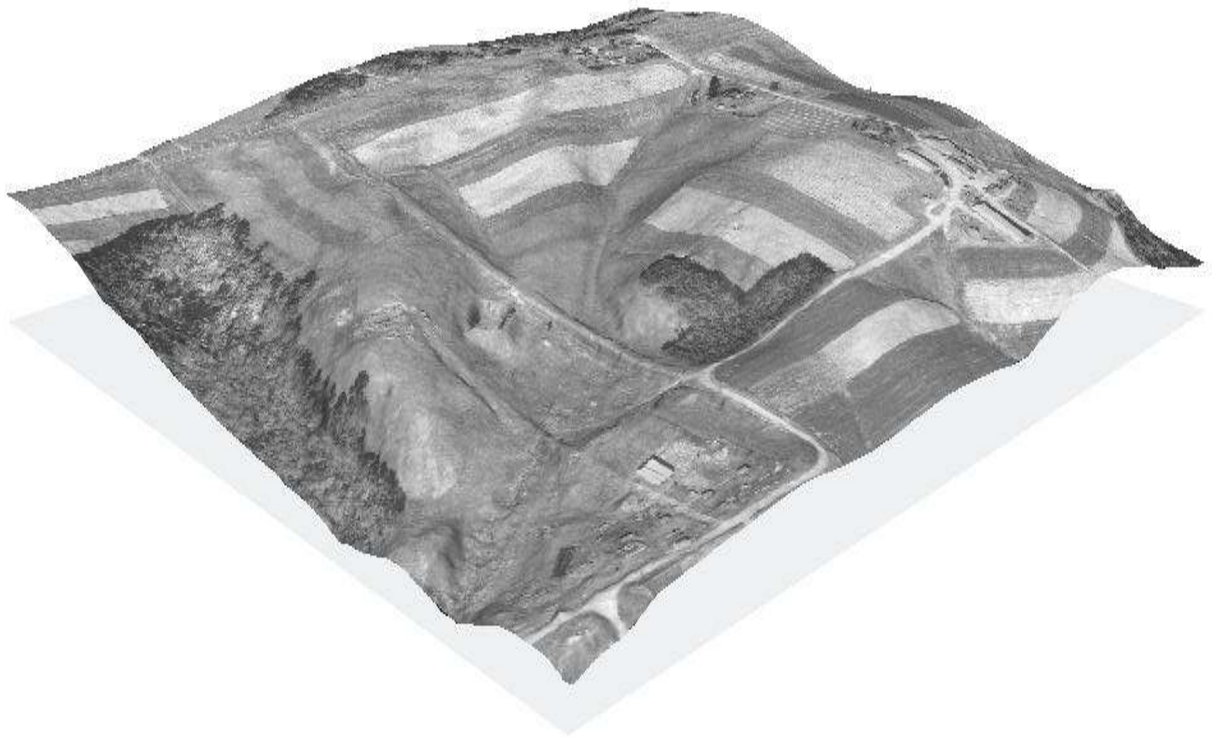
Spatial data sets

Natural Earth	*North Carolina USA Educational dataset*	*OpenStreetMap*	*NetCDF Data Set*

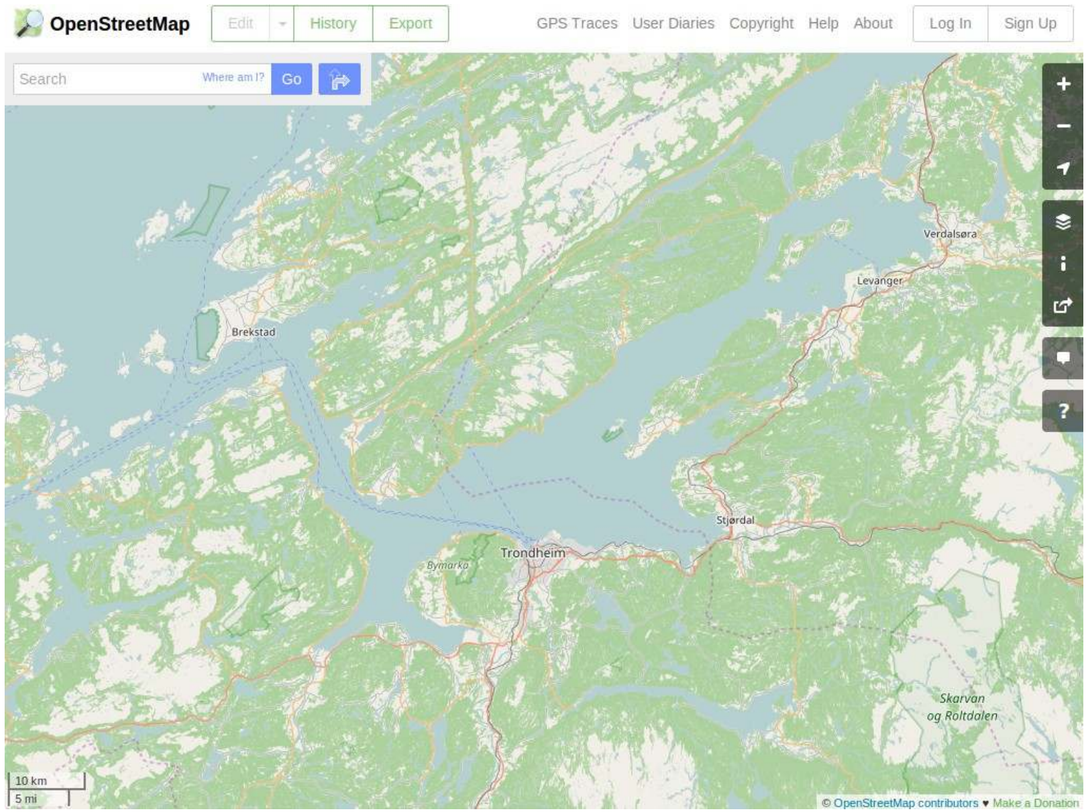
Natural Earth



North Carolina USA Educational dataset

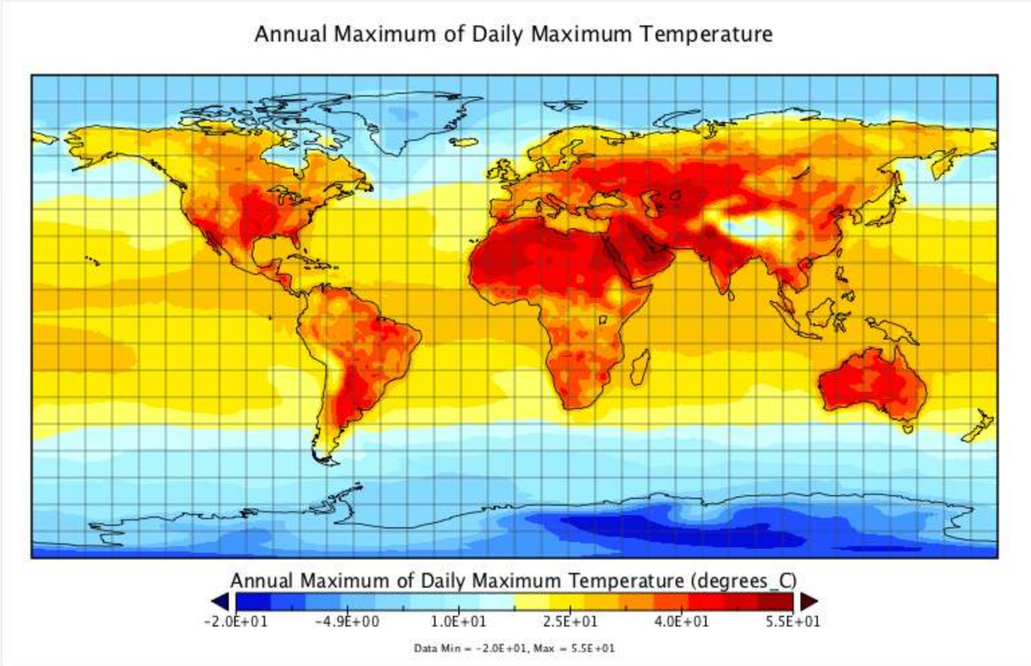


OpenStreetMap



NetCDF Data Set

txxETCCDI_yr_MIROC5_historical_r2i1p1_1850-2012.nc



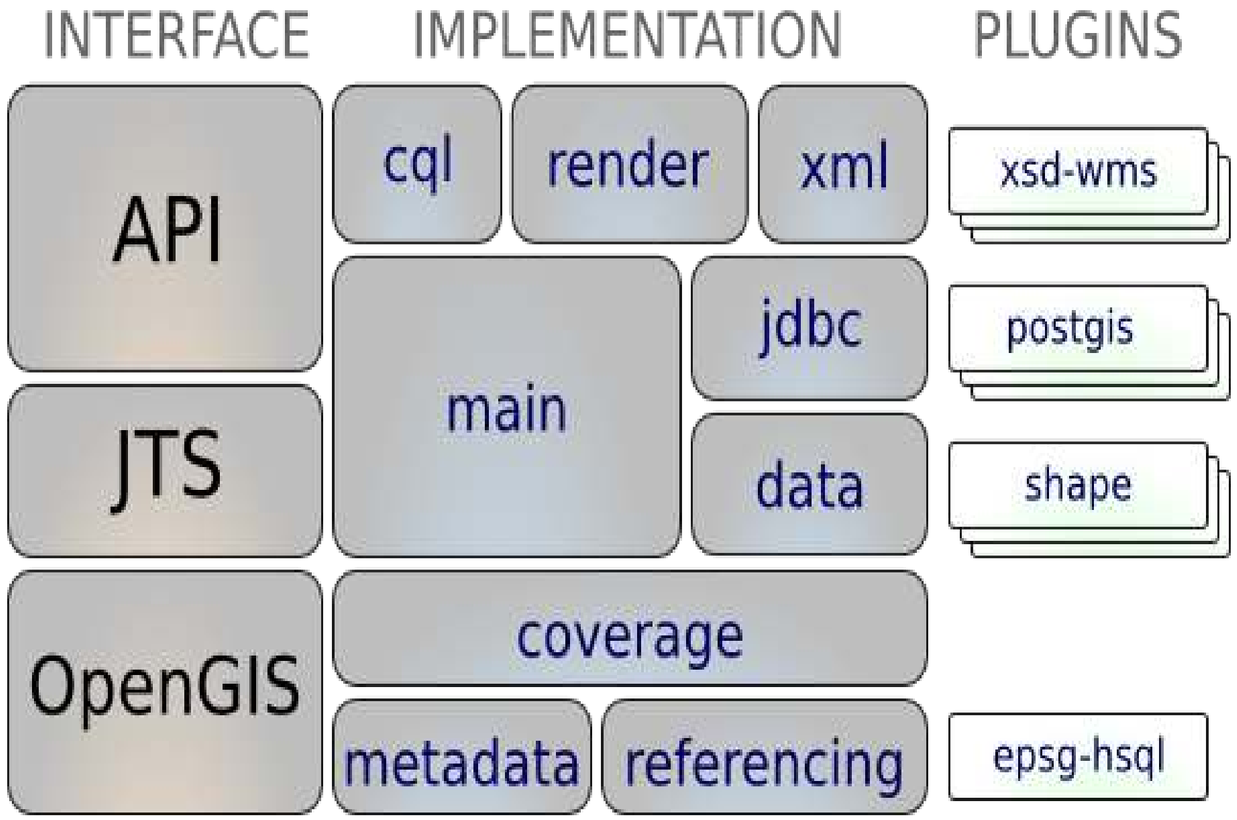
Geospatial Libraries

GDAL/OGR	*GeoTools*	*GEOS*
PROJ	*JTS*	

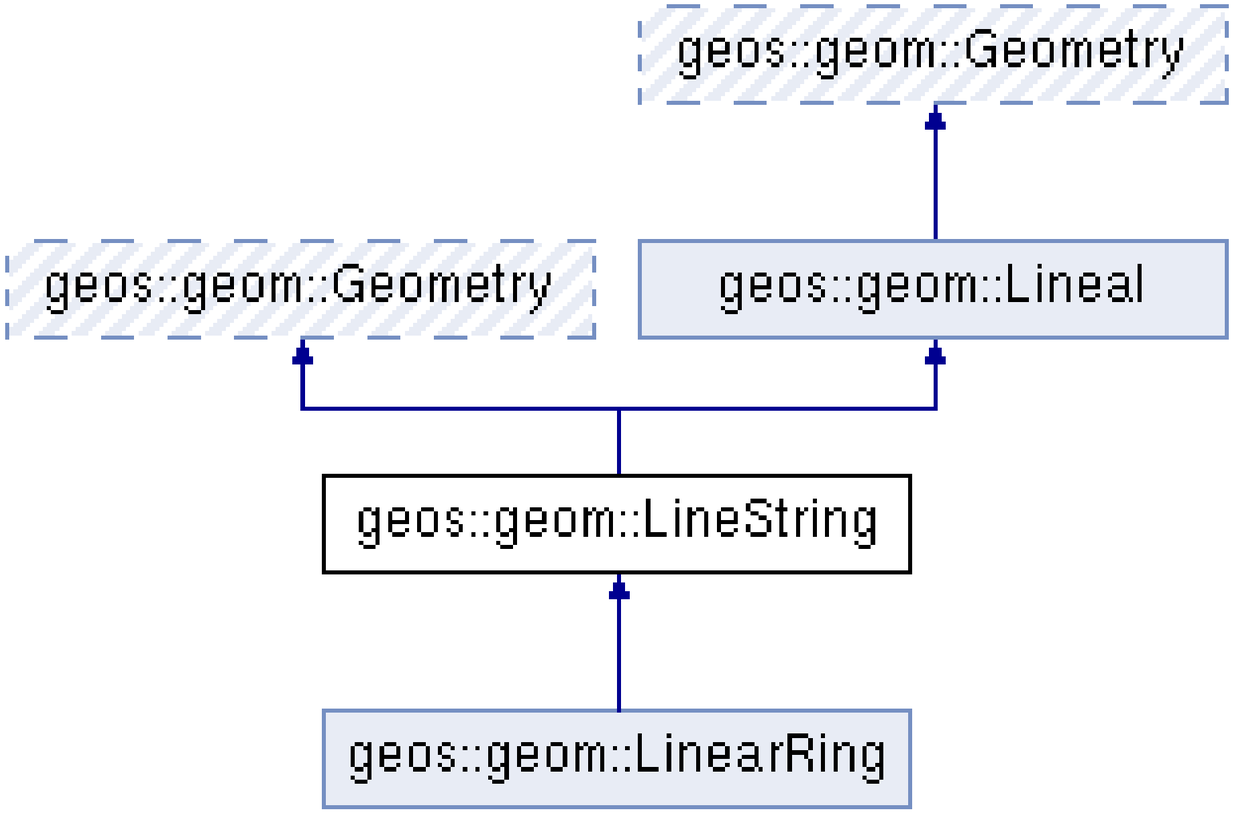
GDAL/OGR

Get your own GDAL T-Shirt!

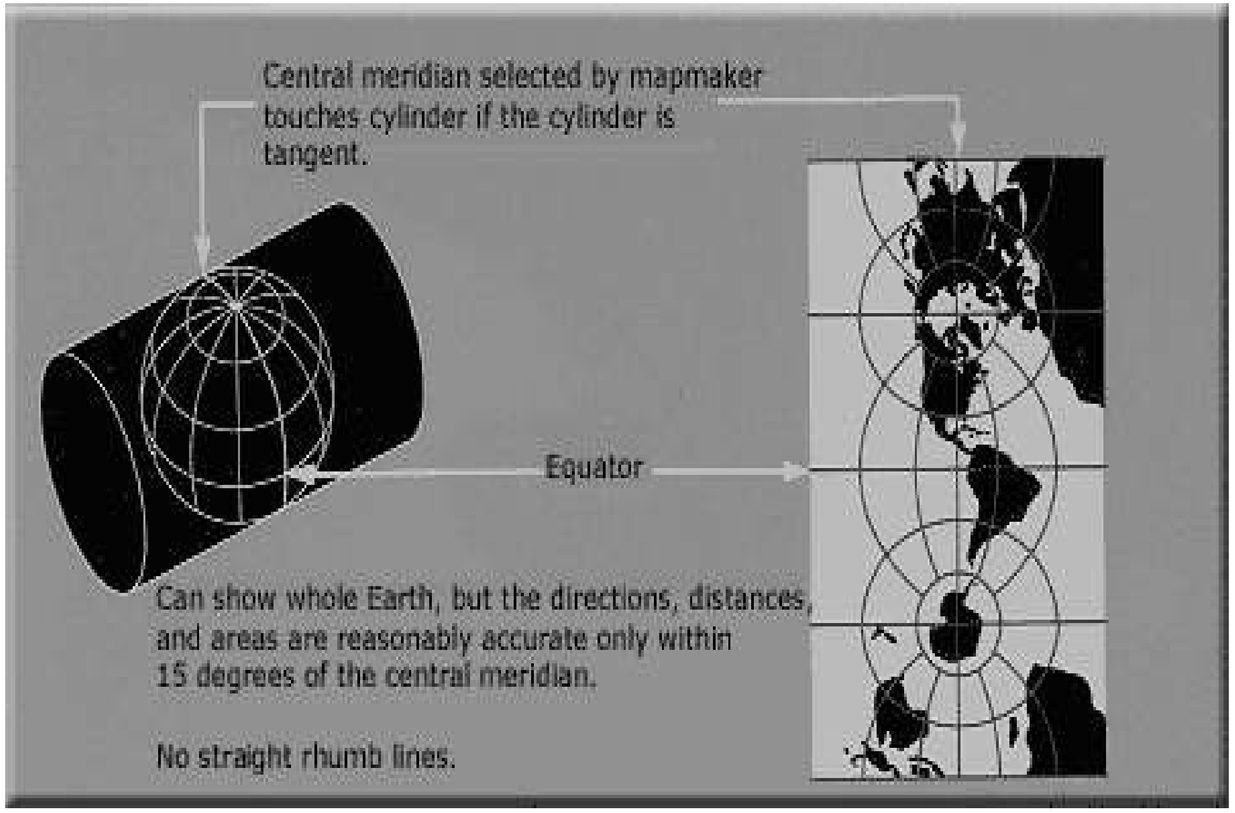
GeoTools


INTERFACE
IMPLEMENTATION
PLUGINS
API
JTS
OpenGIS
cql
render
xml
main
jdbc
data
coverage
metadata
referencing
xsd-wms
postgis
shape
epsg-hsql

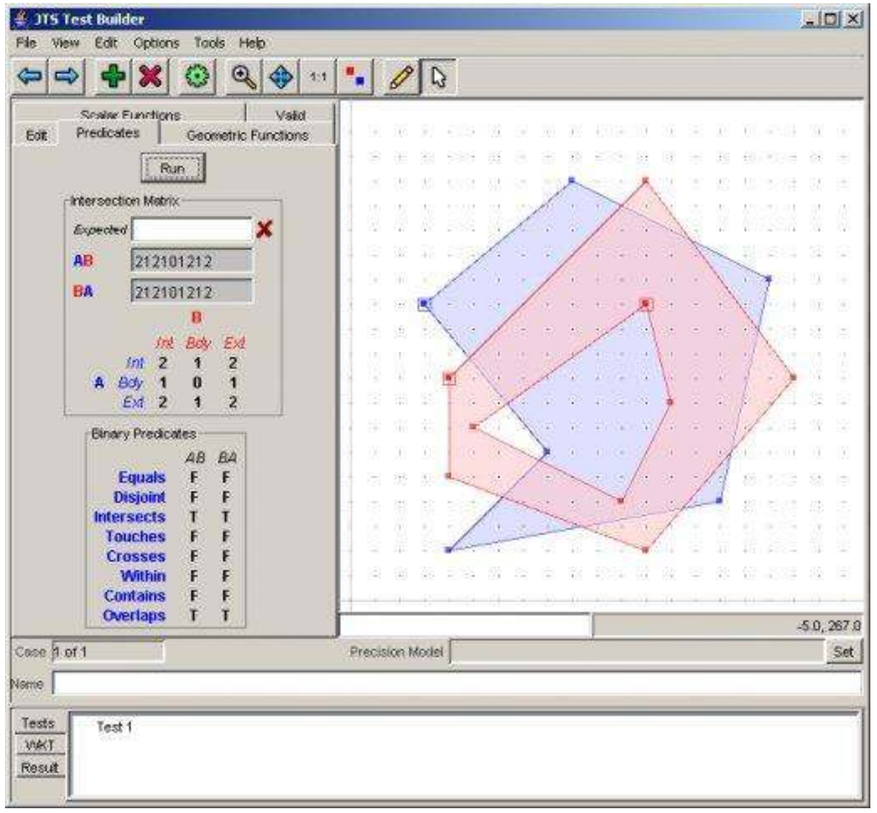
GEOS


geos::geom::Geometry
geos::geom::Geometry
geos::geom::Lineal
geos::geom::LineString
geos::geom::LinearRing

PROJ


Central meridian selected by mapmaker
touches cylinder if the cylinder is
tangent.
Equator
Can show whole Earth, but the directions, distances,
and areas are reasonably accurate only within
15 degrees of the central meridian.
No straight rhumb lines.

JTS


JTS Test Builder
File View Edit Options Tools Help
Edit
Predicates
Geometric Functions
Run
Intersection Matrix
Expected
AB 212101212
BA 212101212
Int Bdy Ext
Int 2 1 2
A Bdy 1 0 1
Ext 2 1 2
Binary Predicates
AB BA
Equals F F
Disjoint F F
Intersects T T
Touches F F
Crosses F F
Within F F
Contains F F
Overlaps T T
-5.0, 267.0
Case 1 of 1
Precision Model
Set
Name
Tests
WKT
Result
Test 1

Credits

- Developers and project maintainers
- Authors and reviewers of the documentation
- Translators

Credits

Project Steering Committee

- Angelos Tzotsos (Chair)
- Brian M Hamlin
- Cameron Shorter
- Alex Mandel
- Johan Van de Wauw
- Bas Couwenberg
- Massimo De Stefano
- Astrid Emde
- Nicolas Roelandt
- Vicky Vergara
- Enock Seth Nyamador

Sponsors

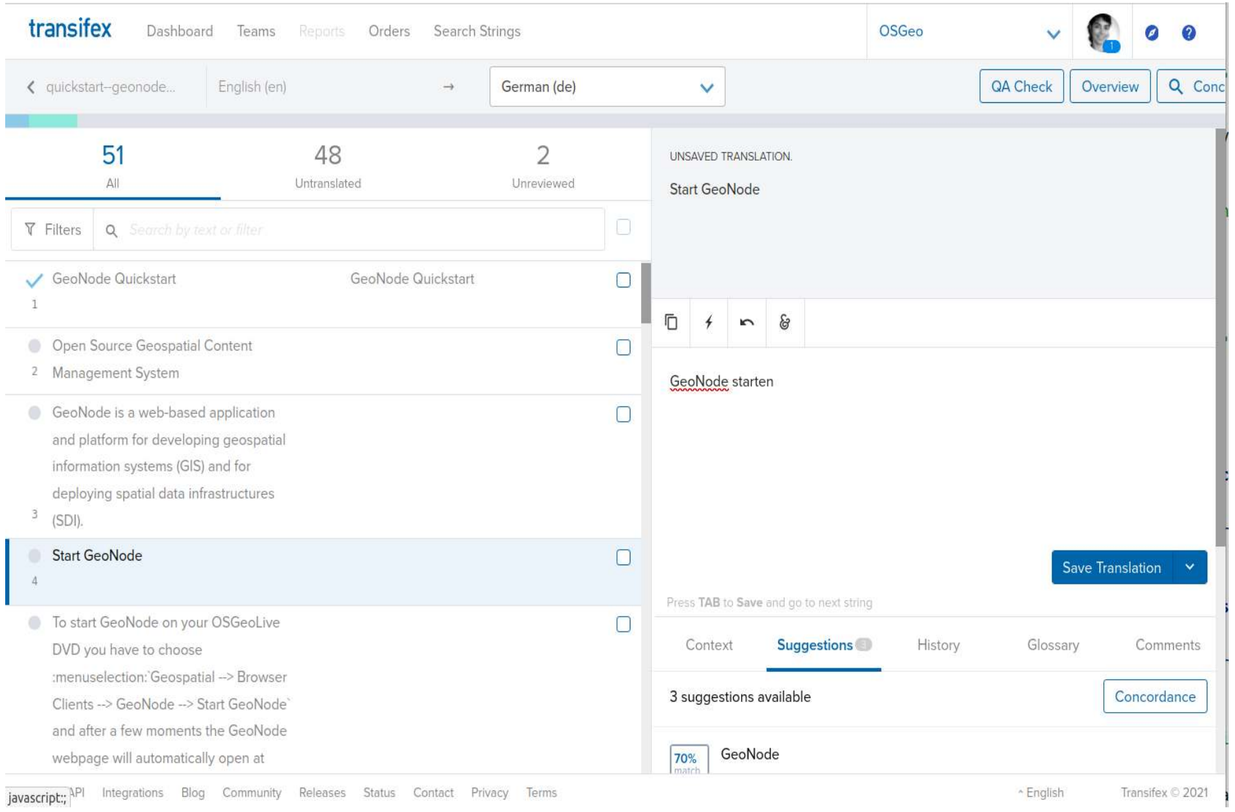
OSGeo	UCD ICE	NTUA
DebianGIS	okeanos	Georepublic

How can you get involved?

Become a member of our team

- Join our Mailing List and introduce yourself
- Take part in our weekly IRC meetings (channel #osgeolive on libera.chat and Matrix)
- There are several ways to get involved
  - Help improve OSGeoLive website and documentation
  - Submit new projects
  - Help with the translation

Translation on Transifex



Join us at the next OSGeo community sprint
2 October 2021