

Quantum GIS Plugins A Brief Review

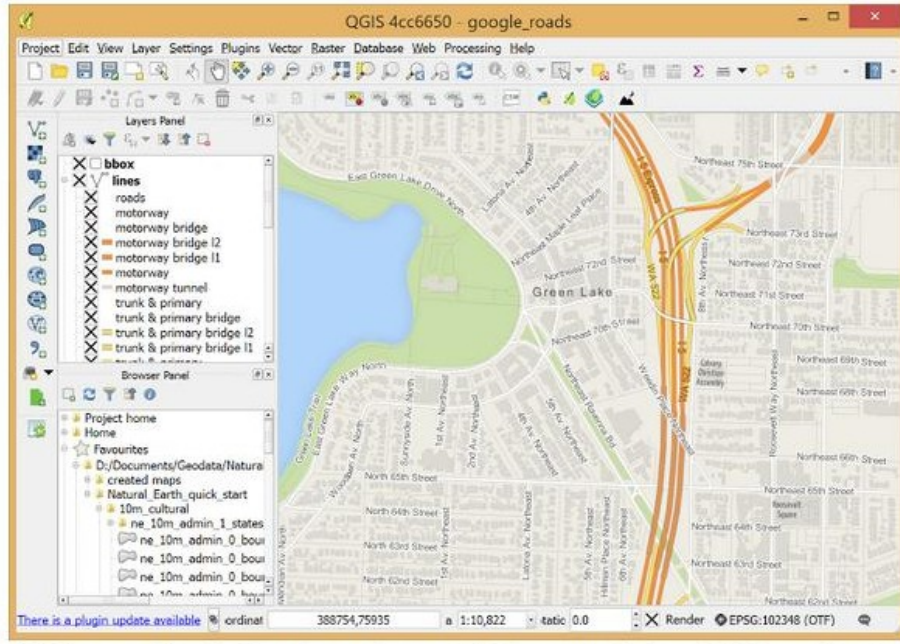
Donald L. Schrupp
Colorado Division of Wildlife (retired)



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About QGIS



QGIS is a user friendly Open Source Geographic Information System (GIS) licensed under the GNU General Public License. QGIS is an official project of the Open Source Geospatial Foundation (OSGeo). It runs under Linux, Mac OSX, Windows and Android and supports numerous vector, raster and database formats and functionalities.

Features

QGIS provides a continuously growing number of capabilities provided by core functions and plugins. You can visualize, manage, edit, analyse data, and compose printable maps

QGIS Extends functionality through plugins

QGIS can be adapted to your special needs with the extensible plugin architecture and libraries that can be used to create plugins. You can even create new applications with C++ or Python!

Core Plugins

External Python Plugins

QGIS offers a growing number of external Python plugins that are provided by the community. These plugins reside in the official Plugins Repository and can be easily installed using the Python Plugin Installer.

Core Plugins

Core plugins include:

DB Manager (exchange, edit and view layers and tables from/to databases; execute SQL queries)

Geometry Checker (check geometries for errors)

Georeferencer GDAL (add projection information to rasters using GDAL)

GPS Tools (load and import GPS data)

GRASS (integrate GRASS GIS)

MetaSearch Catalogue Client (interacting with metadata catalog services supporting the OGC Catalog Service for the Web (CSW) standard)

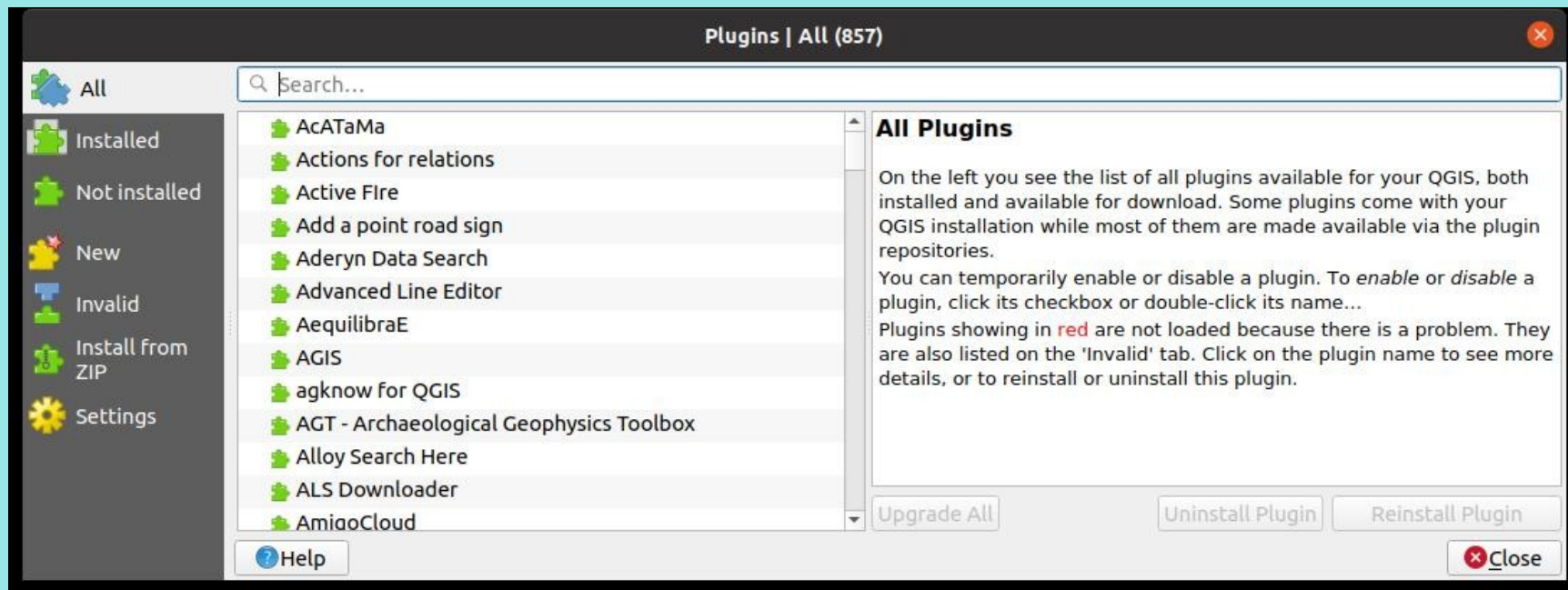
Offline Editing (allow offline editing and synchronizing with databases)

Processing (the spatial data processing framework for QGIS)

Topology Checker (find topological errors in vector layers)

QGIS Plugin Review – the Approach

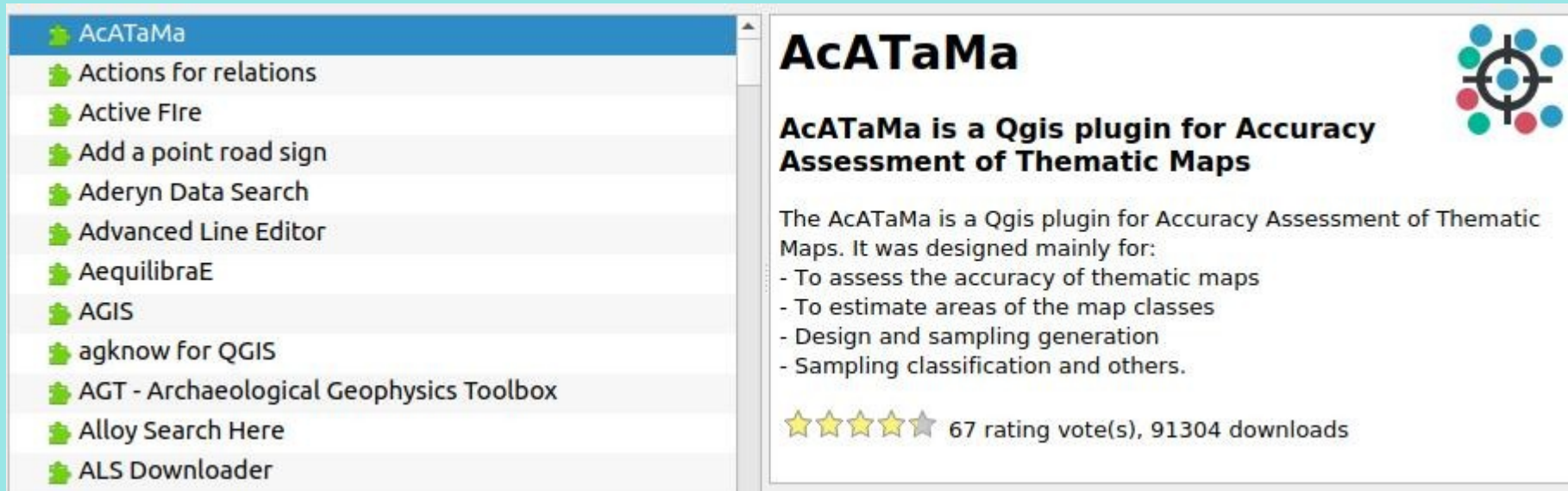
Reviewed the 857 Available Plugins – via the Plugin Manager



QGIS Plugin Review – the Approach

Reviewed the 857 Available Plugins – via the Plugin Manager

Below: an Example of the Information for the First Plugin Listed



The screenshot displays the QGIS Plugin Manager interface. On the left, a list of plugins is shown, with 'AcATaMa' selected and highlighted in blue. The right pane provides detailed information for the 'AcATaMa' plugin.

AcATaMa

AcATaMa is a Qgis plugin for Accuracy Assessment of Thematic Maps

The AcATaMa is a Qgis plugin for Accuracy Assessment of Thematic Maps. It was designed mainly for:

- To assess the accuracy of thematic maps
- To estimate areas of the map classes
- Design and sampling generation
- Sampling classification and others.

★★★★☆ 67 rating vote(s), 91304 downloads

The plugin's icon, located in the top right corner of the details pane, is a circular logo with a black crosshair in the center. The crosshair has four blue dots at its ends. Surrounding the crosshair are eight colored dots: four blue, two green, and two red, arranged in a ring.

QGIS Plugin Review – the Approach

For Each of the 857 Available Plugins

I made a spreadsheet entry for it, capturing:

‘Name’ of the Plugin (from the Plugin Manager)

‘Description’ of the Plugin (from the Plugin Manager)

‘Category’ – I Came Up with a Categorization System – 14 Classes

See Next Slide

**‘Locale’ – for Geographic Specific ‘Data Repository Access’ Plugins
I noted the Country or Region it was developed by or covered**

QGIS Plugin Review – the Approach

**Assigned Each of the 857 Available Plugins to a ‘Category’
Based on the Functionality of the Plugin**

Analysis	API	Attribute Manipulation
Cadastral	Data	Data Repository Access
GIS Spinoff	Layer Management	Modeling Toolbox
Printing	Raster	Remote Sensing
	Vector	Miscellaneous

QGIS Plugin Review – the Approach

For the Spreadsheet of Information on All 857 Available Plugins

I sorted all of the Plugins based on their ‘Category’ as assigned

I then pulled all of the Plugins of an Individual ‘Category’ to their own spreadsheet

I next sorted all the Plugins in a particular ‘Category’ spreadsheet based on the ‘Name’ of the plugin

**Lastly, I enumerated the number of Plugins in each ‘Category’
(the next slide show the enumeration
by ‘Category’ for the plugins)**

QGIS Plugin Review – the Findings

Enumeration of the 857 Available Plugins by ‘Category’ Based on the Functionality of the Plugin

Analysis (100)	API (20)	Attribute Manipulation (31)
Cadastral (6)	Data Backup (4)	Data Repository Access (143)
GIS Spinoff (21)	Layer Management Enhancement (62)	Modeling Toolbox (50)
Printing (22)	Raster (69)	Remote Sensing (19)
Deprecated or ‘Broken’ (9 + 6)	Vector (278)	Miscellaneous (5)

QGIS Plugin Review – the Observations

Analysis ‘Category’ Plugins (100: 01 - 10)

AcATaMA	Accuracy Assessment of Thematic Maps
Area Weighted Average	Weighted Averaging
arrayPlus	Array manipulator
AwaP	Area Weighting
Azimuth Measurement	Line measurement
BOS	Data quality
BoundingBox	Min/Max bounding extents
CalcOnfield	Field Calculations
Calculate Geometry	Calculation of Metrics
Canvas Coordinates	Canvas Extents

QGIS Plugin Review – the Observations

Analysis ‘Category’ Plugins (100: 11 - 20)

cartogram3	Cartogram Creation
Cartography Tools	Algorithm Toolbox
Climb	Climb/Descent Calculation
Covid19 Tracker	COVID 19 Tracking
CWSI	Calculate crop water stress index
D3 Data Visualization	3D Circular Histogram Heatmaps
Data Plotly	D3 plot drawing
DSTTools Op	Military Planning Tools
dzetsaka:Classification tool	semi-automatic Classification
EqHazard	Earthquake Data Plotting

QGIS Plugin Review – the Observations

Analysis ‘Category’ Plugins (100: 21 - 30)

FloodRisk2	Flood Risk Analysis/Management
FragScape	Computation of Landscape Fragmentation
Geographical detector	Measurement of Spatial Heterogeneity
Group Stats	Stats for Vector Data Layers
ICEtool	Estimation of Urban Heat Islands
Illini Drainage Tools	Drainage Analysis from LIDAR DEM Data
InaSAFE	Disaster Management of Natural Hazard Impacts
Interface Catchment	Calculates Interface Catchment on Urban Blocks
Line direction histogram	Creation of a Rose Diagram (Histogram) of Line Directions
Line Profile	Line Profile Creations from Vector/Raster Layers

QGIS Plugin Review – the Observations

Analysis ‘Category’ Plugins (100: 31 - 40)

Location Lab	Performs Geomarketing Analyses in QGIS
LoS Tools	Support Tools for Line of Site Analysis
MapBiomass Alert	Deforestation Alerts from MapBiomass Project
Mascaret	Pre and Post Processing for Mascaret Data (River Flow)
Medsens	Tools for Environmental Monitoring of Marine Ecosystems
Mercicor	Tools for Scaling Mitigation for Marine Ecosystems
MISLAND	Provides Land Degradation Indicators
Mobility Areas	Builds Dynamic Mobility Areas from Destination Data
MPA Results Analysis	for Marine Protected Areas to Meet Placement Objectives
Noise Prediction	Estimation of Noise Levels by Distances and Barriers

QGIS Plugin Review – the Observations

Analysis ‘Category’ Plugins (100: 41 - 50)

Nuclear Energy Plants’ Radiations	Visualization of Nuclear Power Plants Worldwide
opeNoise	Computation of Noise Levels from Points, Roads & Buildings
OpenTripPlanner Plugin	Adds OpenTripPlanner Funtionalities to QGIS
PaPRIKa Toolbox	Vulnerability Mapping of Karst Aquifers (PaPRIKa Method)
Peel Orange Scale Distortion Visualizer	Visualization of Scale Distortion for a Given Region
Physiocap3	of Raw Data for Agronomy for French Vinyards
Plugin Load Times	Analyzes QGIS Plugin Start-up Times
Point selection algorithms	Measurement Metrics from Select Points
Potential Slope Failure	Maps potential slope failures in soils
Potential Slope Failure for processing	Maps potential slope failures in soils

QGIS Plugin Review – the Observations

Analysis ‘Category’ Plugins (100: 51 - 60)

PrgDig	Land Usage Planning Validation System
Profile tool	A Tool to Plot Raster or Vector Terrain Profiles
Projekt-Check	A Tool for Residential/Commercial/Industrial Planning
Przechwyc Wykosc GUGiK NMT API	Elevation Checking using GUGiK’s NMT Service
Qaava	Land Use Planning Toolbox
Qgis-Tim	Head, Flow, Leakage Calculations for Aquifer Layers
QGYF	A Green Space Factor Calculator for QGIS
qLidar	QGIS Use of Point Clouds from LIDAR / Photogrammetry
qProf	Calculates Height and Slope Profiles from DEM/GPX Files
Qproto	Provides Rockfall Analysis at a Small Scale

QGIS Plugin Review – the Observations

Analysis ‘Category’ Plugins (100: 61 - 70)

QSCS	Determination of Basin Properties – NRCS Peak Flow (HEC)
QwaterModel	Calculation of Evapotranspiration from Thermal Images
RadAgro	Temporal Analysis Tool for Radioactive Contamination (in Ag)
RasterStats	Raster Statistics Toolbox
Road Emission Calculator	Calculations for Emissions for Selected Roads
Road Slope Calculator	Calculation of Forest Paths/Roads from Line Vector and a DEM
S.P.A.N.N.E.R.S	Creation/Visualization of Graphs
Sample by area	Sample Size Estimator for Areas of Interest
Sample By Features	Calculation of Sample Size from Feature Class Population Size
SCP-Plugin	Conservation Planning for Marine Protected Areas

QGIS Plugin Review – the Observations

Analysis ‘Category’ Plugins (100: 71 - 80)

Servizi Ecosistemici Citta di Torino	Valuation of Ecosystem Seervices / Habitat Quality/Pollution
Shoreline Indentifier	Shoreline Identification from Hi-resolution DEMs
SocialActivity	Plotting of Social Activities Around a Supplied Point
SPI Utility for Point Data	Calculation of Standard Preciptiation Indices (SPI) from point data
SPI Utility for Raster	Calculation of Standard Preciptiation Indices (SPI) from Raster Data
SPZ Builder	Builds a Protection Zone Based on Wind Rose & Normative Value
SSAM	Provides for Sustainability in Geographic Environments
Statto Redistricter QGISv3	Creates Political Districts of Equal Population
Stereonet	Displays a Geologic ‘Stereonet’ of ‘Strikes’ and/or ‘Dips’ (Kamb)
StreetAnalysis	Analysis of Streets Traveled Through All Nodes of a Street Network

QGIS Plugin Review – the Observations

Analysis ‘Category’ Plugins (100: 81 - 90)

Stripchartdrawer	Generation of a Stripchart of Selected Values from a Dataset
Survey design plugin	Allows Design of Biomass Surveys Along Coast Lines
Terrain Shading	Shading Algorithms for Terrain Analysis/Visualization
TerrCtrl	Calculation of Location/Extent of Territories of Warring Factions
ThToolBox	German Algorithms for Spatial Analysis
TlugProcessing	German Algorithms for Spatial Analysis
Trail Elevation Stats	Calculation of Cumulative Elevation Gain from DEM to Line Layer
Tree Belt Designer	Design of Tree and Shrub Belts within Agricultural Landscape
Tree Density Calculator	Calculate Tree Density Based on Local Maxima
trends.earth	Analyze Land Changes for Sustainable Land Management

QGIS Plugin Review – the Observations

Analysis ‘Category’ Plugins (100: 91 - 100)

UMEP	Urban Multi-scale Environmental Predictor (UMEP) [Climate Tool]
VectorMCDA	Multicriteria Analysis in Geographic Environment (MCDA Algorithms)
Visisbility Analysis	Caculation of Visible Surface from Point and DEM Model
Visualist	Crime Analysis Tool
WeiBflächenkartierung	Planning Tool for Wind Turbines / Solar Fields
ZEB Toolbox	Road Monitoring and Assessment (Uses XML-schema)
Zoom to Paste	Zoom to a Specified Point on a Map (Clipboard, Comma Delimited)
Zoom to Postcode	Zoom Map Extent to a UK Postcode
ZoomRC	Zoom Map to a Spanish Cadastre Reference
ZoomToBelgium	Zoom to a Belgian Administrative Boundary

QGIS Plugin Review – the Observations

API ‘Category’ Plugins (20: 1 - 10)

agnow for QGIS	Support for Ag-Knowledge REST API
Better Editor	Python editing
DaumAPI	Daum Tool
debugvs	Visual Studio debugging
DevNull	Python exception testing
ESDL loader	Energy System XML Formatter
First Aid	Python Debugger
Here Route API Plugin	HERE Routing Support for QGIS
Impact toolbox	ANYWAYS Routing Automation
Instituto Canario de Estadística (ISTAC)	API - to Use ISTAC Cartographies

QGIS Plugin Review – the Observations

API ‘Category’ Plugins (20: 11 - 20)

iso4app	for Creation of Isolines for Geographic Analysis
myfiber	for Fibre Broadband Services
Oblicz wysokość (GUGiK NMT)	for Height Calculation Using GUGiK API
PgVersion	API - Adds Postgres Versioning System
Plugin Builder 3	Creates QGIS Templates for Plugin Development
ScriptRunner 3	API - Automation of QGIS Tasks by Scripting
SGS	Adds StraTopo API Functionality to QGIS (GeoData Services)
STAC API Browser	Reads STAC API Catalogs to QGIS (SpacioTemporal Asset Catalog)
TravelTime platform Plugin	Get Time Travel Polygons from TravelTime Platform API from QGIS

QGIS Plugin Review – the Observations

Attribute Manipulation ‘Category’ Plugins (31: 1 - 10)

Actions for Relations	Batch Inserts of Actions for Relations
Attribute painter	Value Attribution Replication Between Features
AttributeAssignment	Eases Assignment of Attributes in QGIS
Breeder Map	Layouts
Color to Attribute	Add a Column for Color Attributes for Features
Configurable search	Searching Based on a CONFIG File
DB Manager	Core Database Management Plugin
Delete NULL Fields from Vector Data	Delete Field with NULL Values
Dissolve with stats	Statistics calculations
Dynamic Provider Filter Plugin	Using Filters

QGIS Plugin Review – the Observations

Attribute Manipulation ‘Category’ Plugins (31: 11 - 20)

Field find/replace	Find/Replace Tool
Fonctions SIGMOE	New Expressions Added
FS3	Statistics Calculations/Graphs
Geometric Attributes	Tools for Attribute Calculation
Go2NextFeature3	Jumps from Feature to Feature
Label2Attr	Label Transfers from Layer to Layer
MultiEdit	Tool to Change Attributes for Matching Features
MySQL Importer	Import of Table Data in to MySQL/MariaDB
OfflineEditing	Offline Editing – Database Synchronizer
pickLayer	Tools to Perform Layer and Feature Commands

QGIS Plugin Review – the Observations

Attribute Manipulation ‘Category’ Plugins (31: 21 - 31)

Poiint sampling tool	Attribute Sampling from Vector/Raster Features
QuickMultiAttributeEdit3	Attribute Field Value Editing for Select Elements
Rename Field	Provides for Changes – Vector Layer’s Field Name
Return PyQGIS Algorithm	Allows for Zero Click Searching and Copying
Search Layers	Enhanced Textual Searches of QGIS Layers/Fields
Simple tools	Provides Simple Tools for Inspecting BIG CSV Files
Sort and Number	Adds New Fields to Attribute Tables
spatialite_converter	Conversion(s) of Spatialite 3 or 4 Into 5
TomBio tools	Capture of Data from Biological Recorders
Trackable QGIS Project	Ordering of Attributes in a Predictable Order
Vietnamese Font Converter	Vietnamese to Internation Character Set Encoder

QGIS Plugin Review – the Observations

Cadastral ‘Category’ Plugins (6)

Asistente LADM-COL	Data Management
cadastre	Data Management
JagdKasterr	Hunt Cadastres from German Cadastre Data
norGIS ALKIS-Einbindung	Deals with German Cadastre Data
Premetre d’ASA	Deals with French Cadastre Data
Projections	Projection Recommendations Tool

QGIS Plugin Review – the Observations

Data Backup ‘Category’ Plugins (4)

Automatic Backup	Data backups
Backup layer	Data backups
Bulk vector export as SLS and GeoJson	Data export – GeoJSON/SLD
bulkvectorexport	Data export – to Common Format

QGIS Plugin Review – the Observations

Data Repository Access ‘Category’ Plugins (143: 1-12)

Active Fire	Display of Latest Active Fire Data from MODIS
Aderyn Data Search	Access to the LERC (Wales) Wildlife Database
ALS Downloader	ALS Data Downloader (Slovenia / Netherlands)
AmigoCloud	Access to AmigoCloud GDAL Data Sources
AMIL-Assistente de Mapa Interativo Leaflet	Assists Interactive Mapping Using Leaflet
ANA Data Acquisition	ANA Data Acquisition Tool
ArcGIS ImageServer Connector	ArcGIS Image Server Connector
Archiwalna Ortofotomapa	Add Archival Orthophotos of Poland
AusMap	Access to AusMap(Australian) Government Data
AvaFrameCalculator	Access to AvaFrame Data Sets
BC TRO API	via BC TRO API (Traffic Regulation Orders)
BGT Import	Import of Grootschalige Topografie

QGIS Plugin Review – the Observations

Data Repository Access ‘Category’ Plugins (143: 13-24)

BGT Inlooptool	Access to BGT Inlooptool
BKG Geocorder	Access to BKG Data Sets
Buienradar Plugin	weather data
Canadian Web Services	Web Services
Catalog Planet Labs	Gets Images from Planet Labs API
CBERS4A Downloader	Search/Preview/Download CBERS4A Imagery
CDAU Downloader	Access to Digital Data for Spain
Censo IBGE	Download IBGE Census Sectors
CKAN-Browser	Download Data from CKAN Metadata Servers
Click-Fu	Web Services
Datafordeler	Web Services
Dataforsyningen	Web Services

QGIS Plugin Review – the Observations

Data Repository Access ‘Category’ Plugins (143: 25-36)

DataGrandEst	Web Services
DB Style Manager	PostGIS Data
DDG Street Images	Danish streetmaps
DIVI QGIS Plugin	DIVI System
Donwload Statistics Portugal Open Data	Data Downloads
Ellipsis Drive Connect	Ellipsis Drive
EnviroCat	Access to Environmental Variables for Catalunya
Euro Data Cube	Euro Data Cube
FlyFotosDK	Data Repository Access -Historic Aerial Photos
FooODK	ODK Central Data (vector)
French Address	via API BAN
FRMS Downloader	FRMS Map Downloads

QGIS Plugin Review – the Observations

Data Repository Access ‘Category’ Plugins (143: 37-48)

GBIF Occurences	from GBIF Web Services
GeoAtlasQGIS	to Denmark’s GeoAtlas Live
GeoBretagne	WMS/WFS Data – Bretagne, France
GeoCat Bridge	Data Publication/Metadata Tool
GeoData CZ/SK	Czech Republic/Slovakia
GeoGrandEst	WMS/WFS Data – Grand Est, Germany
GeoHey Toolbox	Chinese Geospatial Data
GeoINCRA	Rural Brazilian Data Holdings
Geomapfish Locator	for Geomapfish Web Services
Geoportal LU	Luxembourg
geopunt4Qgis	to Flemish Geoportal
GIO gml import plugin	Planning Data for Netherlands

QGIS Plugin Review – the Observations

Data Repository Access ‘Category’ Plugins (143: 49 - 60)

GIS Cloud Publisher	Toolkit for Online GIS Data Sharing
Gisquick plugin	Publishing Using QuickGIS
go2streetview	QGIS Windowing to GE Street View
Greek Data	Greek Geospatial Datasets
GSI-VTDDownloader	Download/Decode GSI Vector Files
HCMGIS	Data for China
Hidroweb Downloader	Hydrological Data (ANA API)
Ibama Expressions	Access to Landsat/Rapideye/Sentinel
IBGE Cartography Index Map	for IBGE Cartography Department Layers
IDECanarias	Canary Island Datasets
IDEV	IDEV Data for Spain
Imajnet QGIS	from imajbox Web Services

QGIS Plugin Review – the Observations

Data Repository Access ‘Category’ Plugins (143: 61 - 72)

INDE	Web Services for Brazil NSDI
INSPIRE Nederland plugin voor QGIS	to Dutch INSPIRE Data Portal
Isogeo	ISOGEO Search Engine Functionality
Israeli Open Data Loader	Israeli Open Data Access Support
JAXA Earth API Plugin	JAXA Earth API Access Satellite Data
Kortforsysingen	Web Services - ‘Danish Map Supply’
Layman	Web Services Client – Layman Server
LINZ Data Importer	Import of LDS OGC Datasets in to QGIS
LM Open Data WMTS	Swedish National Land Survey WMTS layers
MapBiomas API	Import of Deforestation Alert Information
MapBiomas Collection	Fetching of Land Use/Land Cover Maps
Mappia Publisher	Free Server (Mappia) for Data Sharing

QGIS Plugin Review – the Observations

Data Repository Access ‘Category’ Plugins (143: 73 - 84)

MapTiler	Raster/Vector Basemaps from OpenStreetMap
Mergin Maps	MerginMaps is a Repository for Persistent Data
MonetDBConnector	MonetDB Connector for SQL Access via QGIS
MongoConnector	Access to Mongo DB Geospatial Datasets
MTOPOpenData	Access to Web Services for Uruguay Data
NAFI Fire Maps	for North Australia Rangeland Fire Info Data
NatusferaQGIS 3	Natusfera – Citizen Science Biodiversity Data
Navarra Cadastre	Spanish (Navarra) Cadastral Data
NextGIS Connect	Creation of a WebGIS via nextgis.com
NLS GeoPackage Downloader	Craton of GeoPackages from QGIS Data
OneAtlas	to Search/Stream Satellite Imagery
Open ICGC	Open Access Data for Catalonia

QGIS Plugin Review – the Observations

Data Repository Access ‘Category’ Plugins (143: 85 - 96)

Opendatasoft	Access to Opendatasoft Data Catalogs
OpenEO	Access to openEO Compliant Backends
ORKa.MV Data API	Access to Geopack Files – via ORKa.MV API
OS Translator II	Allows Loading of Ordnance Survey Products
OSMDownloader	Fetch OpenStreetMap Data by Area Box
OSMInfo	Fetch Locational Detail from OpenStreetMap
osmpoly_export	Fetch OpenStreetMap Polygon (via Osmosis)
Palapa	Access to Palapa Geoportal Data
PDOK Locatieserver Locator Filter	Access to PDOK Locations Server
PDOK services plugin	Loading of PDOK Locations Services
Planet_Explorer	Discover/Stream/Download “Planet” Data
Pobieracz danych GUGiK	Access to Spatial Data for Poland (GUGiK)

QGIS Plugin Review – the Observations

Data Repository Access ‘Category’ Plugins (143: 97 - 108)

Qgeo	Access to Geoscientific Data for Queensland
QGIS Network Logger	Show QGIS Requests to Online Services
QGIS Resource Sharing	Access to Share Data Collections
QGIS2Mapea4	Web Map Creation Tool for Andalusia
QGIS2Wegue	Converts QGIS Projects to Wegue Template
QgsWcpsClient1	WCPS Queries to Compliant WCS 2 Server
qNote	Packages Notes with QGIS Project Data
Qpackage	Packages QGIS Layers and Project Data
qpals	Provides OPALS Access to DBs, Archives
Qquake	Provides for Downloads of Seismological Data
QuickMapServices	Tool to Add Basemaps via NextGIS
QuickOSM	Download OpenStreetMap Data (Overpass API)

QGIS Plugin Review – the Observations

Data Repository Access ‘Category’ Plugins (143: 109 - 120)

Qveg	Access to Queensland Vegetation Data
Qweather	Retrieval of Weather Information
radolan2map	Access to Climate Data for Germany
RT MapServer Exporter	Exports QGIS Projects to MapServer Files (<3.0)
RUIAN Plugin	Export Czech RUIAN Data -to Select GIS Formats
Ruimtelijke Plannen	Access to Dutch Online Zoning Plans
Saraphi Get Connect	Connector to OSGeo Thailand Services
Sentinel-2 Download	Downloads of Sentinel-2 Satellite Imagery
SentinelHub	Harnesses Sentinel Hub Services from QGIS
SG Diagram Downloader	Download of SG (Africa) Diagrams
ShLocator	Location of Kanton Schaffhausen (S. Germany) Data
Socrata	Data Downloading from Socrata Data Portals

QGIS Plugin Review – the Observations

Data Repository Access ‘Category’ Plugins (143: 121 - 132)

SoLocator	Locator for Kanton Solothurn (Swiss) Data
SolrSeach	Access to Locational Data via Apache Solr Engine
Spanish Inspire Catastral Downloader	Download of Cadastral Data (Parcels, buildings ...)
SpatialDataPackageExport	Exports to Frictionless Data Standard (SDPP)
SPC PopGIS	Access to Pacific Community Data/Metrics
Species Explorer	Access to Species Occurrence Data (GBIF)
SRTM-Downloader	Download of SRTM Tiles from NASA Server
Swiss Geo Downloader	Download Swiss Geodata
Swiss Locator	A Locator Filter for the Swiss Geoportal
TerraBrasilis Data Source	Access to Brazilian WMS Services
Thailand Meteorological Department (TMD)	Data Retrieval-Thailand Meteorological Department
TMS for Korea	Access to Korean Map Layers (NGII)

QGIS Plugin Review – the Observations

Data Repository Access ‘Category’ Plugins (143: 133 - 143)

TopoTijdreis	Loads Historic Maps (1815-2020) from Web
Usługa Lokalizacji Działek Katastralnych	Download of Parcels from COGCP - Poland
Vallaris Desktop	Access to Vahalla Datasets – Create/Edit/Delete
Vector Tiles Reader	Reads/Displays (Mapbox) Vector Tiles; Styling too
WFS 2.0 Client	Client for OGC Web Services 2.0 (experimental)
wfsOutputExtension	Adds Output Formats to WFS GetFeature Request
WinCan VX Integration	Download WinCan VX Inspection Data to Layers
WiscSIMS Tool	Access to WiscSIMS (Spectrometry) Data
Wody Polskie – Baza WMS	Access State Water Holding (Polish) Web Services
Wtyczka GIS Support	Integration Features for Polish Web Services
XYZ Hub Connector	Establish Personal QGIS Space Connections-HERE

QGIS Plugin Review – the Observations

GIS Spinoff ‘Category’ Plugins (21: 1 - 10)

CAIGOS Konektor	CAIGOS-GIS, a German Speaking Product
CaLiEc	Teaching Geography
GRASS7	Total Intergration of GRASS (7) Functionality
Load QSS – UI themes	QSS Loader to Change the Look of QGIS
Processing R Provider	Adds Workflow Functionality to Geo-Processing
Processing	Spatial Data Processing Framework (Core Plugin)
Processing Saga NexGen Provider	Processing of System for Automated Geoscientific Analyses
Processing Workflows	Adds Workflow Functionality to Geo-Processing
QAD	Adds CAD-like Commands to QGIS
QGIS Full Motion Video	Allows for Use of Full Motion Video – Analytical Visualization

QGIS Plugin Review – the Observations

GIS Spinoff ‘Category’ Plugins (21: 11 - 21)

QGIS Hats	Adds “Hats” to QGIS Icons
Qgis2threejs	3D Visualization Based on WebGL Technology
QHadoop Tools	QGIS Leveraging of Hadoop for Massive Data Processing
Qweb	Provides a Web Browsing Window in QGIS
Report Plugin	Provides for Fast Reporting of Plugin Issues to the Tracker
Snail	Performance Monitoring of Computer RAM and CPU
TimeManager	Creation of Visualizations of Spatio-temporal Data
VetEpiGISgroup	Veterinarian Epidimeology Spatial Data Management–for Groups
VetEpiGIStool	Veterinarian Epidimeology Spatial Data Management
Video Uav Tracker	Video Replay in Sync with a GPS Track
XTFLog-Checker	Visualize Errors in XTF-Log Files

QGIS Plugin Review – the Observations

Layer Management Enhancement ‘Category’ Plugins (62: 1 - 13)

Annotation to Label	Converts Text Annotations to Layout Labels
AnnotationManager	Allows Display /Hiding of Text Annotations
Catalog on the fly	Add Intersecting Images
changeDataSource	Global Changes to Data Sources
Deactivate Active Labels	Turns Layers On/Off
EasyCustomLabeling	Layer Duplication in Memory
FilterLayersAtOnce	via Attributes
Find Dataset	Find via Intersects
geocat.ch Export	Export Metadata
Get Them Filtered	Filetering on Values
Globe Builder	for Global Visualization
Group Transparency	Layer Transparency Setting
Hotlink	One Click Access to Actions

QGIS Plugin Review – the Observations

Layer Management Enhancement ‘Category’ Plugins (62: 14 - 26)

Invisible layers and groups	Make Layers Transparent
IpyConsole	Make Layers Transparent
Layer Board	Vector/Raster Attribute Editing
Layer Group and Sort	Grouping/Typing of Layers
Layer Group Filter	Limits Applied to Group Layers
Layer Style Loader	Style Loading on Layer Names
Layer Tree Icons	Layer Actions for Custom Icons
Layer Tree Toggle Labels Widget	Quick Label Toggling Tool
Layers menu from project	Layer Shortcut Builds for Projects
Layout Loader	Layout Template Applier
Layout Map Cropper	Cropping Map Items to a Layer
Load Them All	Recursively Layered Directories
Lock Zoom to Tile Scale	Zoom Viewing Optimizations

QGIS Plugin Review – the Observations

Layer Management Enhancement ‘Category’ Plugins (62: 27 - 39)

Map Library	Creation of a Map Library of Layers
MapSwipe Tool	Swiping Featured Layer & Others
Mask	Filtering of Labels by Masking
MBTiles images extract	Extraction of Tiles from MBTiles
Memory Layer Saver	Make Memory Provided Persistent
Menu Builder	Creation of Your Own Data Menus
mmqgis	Collection of Vector Layer Operations
Model Baker	Project Creation from Models/DBs
Nominatim Locator Filter	Adds a Nominatim Locator Filter
PgMetadata	Metadata Storage – for Searches
PowerPan	Allows One to Pan Across Areas
Project Packager	Bundles Data for Portable Projects
Qcopycanvas	Copies a Map Canvas to a Clipboard

QGIS Plugin Review – the Observations

Layer Management Enhancement ‘Category’ Plugins (62: 40 - 52)

Qfield Sync	QGIS Project Packaging for Qfield
QlockLayers	Adds Locking for Select Layers
qlyrx	Applies ArcGIS Pro .lyrx Styles in QGIS
QmetaTiles	Creates MetaTiles LatLonGO Exports
QrealTime	Adds a Tools for Forms/Layer Syncs
QTDC	Creation of Animations from Time Data
Quickly save default qml	Save QGIS Layer Style Files – 1 Click
Qvisualize	Visualization of Point/Polygon in steps
Remove empty layers from the map	Cleans Lists – Removing Empty Layers
Select Themes	Selection of Themes from Dropdown List
SLYR (Community Edition)	Converts ESRI Style Info - QGIS Style Info
Spreadsheet Layers	Loads Layers from a Spreadsheet
SuperLabeling	Adds Labels by a Single Mouse Click

QGIS Plugin Review – the Observations

Layer Management Enhancement ‘Category’ Plugins (62: 53 - 62)

SVG2Color	Generate Color-ramp Styles via SVG Files
thematics	Opens Projects/Layers from a List
ThemeSelector	Raises Layer to Desktop from a Dropdown
timezone_expressions	Expression Functions to Handle Timezones
TocTable	Creates a Table of Contents from Layers
Toggle Active Layer	Toggles Visibility of an Active Layer
Toggle Group Visibility	Changes Visibility of Layers in a Group
Turn Gray	Change Layout Items – Black/Grey/Other
Zoom Level	Displays the Zoom Level of a Map
ZoomView	Adds Dock Panel of Map Magnification

QGIS Plugin Review – the Observations

Modeling Toolbox ‘Category’ Plugins (50: 1 - 13)

AequilibraE	for Transportation
AGIS	for Archaeological Data
AGT – Archaeological Geophysics Toolbox	Archaeological / Geophysical Data
Calidad-CAR	Water Quality
CAMINO Mining titles and authorizations	Flow Supply
CLUZ3	Conservation Areas
Constraint Checker	Planning Constraints
FlexiGIS	Urban Energy Systems
Generate SWMM inp	Storm Water Management
GeoDataFarm	Farmland Field Planning Tool
Geoscience	Geoscience Data and Drill Holes
Geospatial Simulation	Point Based Simulation Models
graphab	Modeling of Ecological Networks & Landscapes

QGIS Plugin Review – the Observations

Modeling Toolbox ‘Category’ Plugins (50: 14 - 26)

Groundwater Vulnerability	Groundwater Vulnerability Mapping (GLA)
ICRA	Algorithms for Catalan Institute Water Research
Jaltol	Produce Water Balances for Watersheds
Kontrollblatt SH	Accuracy Assessment Tools
Land Productivity Analysis Tool (LPAT)	Land Productivity Assessment from Imagery
Least-Cost Path	Least Cost Path from Cost Raster & Points
LecoS – Landscape Ecology Statistics	FRAGSTAT-based Metrics – Rasters/Vectors
LF Tools	Digital Image Processing/Analysis Tools
Lidar Campania	Import LIDAR Data (for Campania Region [Italy])
LightPollution Toolbox	for Light Pollution in France
Linear Theory Orographic Precipitation	Airflow Dynamics, Water Advection, Evaporation
maps2WinBUGS	for Bayesian Spatial Modeling
Modzy	Access to Modzy’s ML/DL/AI Models

QGIS Plugin Review – the Observations

Modeling Toolbox ‘Category’ Plugins (50: 27 - 39)

NetworkGT	for Analysis of Topological Netowrks
OpenQuake IRM Toolkit	Tools for OpenQuake Engine Earthquake Modeling
PAT – Precision Agriculture Tools	Tools for Processing Precision Ag Data (CSIRO)
Pghydro Tools	Tools to Interface PgHydro Extension (uses PostGIS)
PostTelemac	Post Processing Tools-TELEMAC/MASCARET Data
PreCourlis	Creates Geometry for Sediment Transport Modeling
QGISRed	Tools to Build/Analyze Water Distribution Networks
Qmarxan Toolbox	Provides Access to Marxan for Conservation Planning
QNEAT3	Provides for QNEAT3 Network Analysis in QGIS
Qneighborhood	Provides QNEAT3 Network Analysis Tools in QGIS
Qwater	Provides for Design/Analysis Water Supply Networks
Raster Vision	Tools for Making Predictions–Deep Learning Models
Redistricting for QGIS	Provides for Electoral Redistricting

QGIS Plugin Review – the Observations

Modeling Toolbox ‘Category’ Plugins (50: 40 - 50)

Relief Visualization Toolbox	Provides for Visualization of DEM Raster Datasets
RiverGIS	Facilitates Creation of HEC-RAS Flow Models (PostGIS)
SEBCS for QGIS	for Calculation of Energy Balances/Vegetation Stress
Space Syntax Toolkit	Tools for Space Syntax Analysis Workflows
Spatial Analysis Toolbox	Addition of Useful Algorithms for Spatial Analysis
Time of Concentration and Lag Time	Modeling Framework for Hydrological Modeling
TUFLOW	Utilities for TUFLOW Flood/Coastal Simulations in QGIS
UMEP for processing	Climate Planning Tool (UMEP) in QGIS
Urban Green SARCA	Estimation of Radionuclide Depositions (SARCA/USG)
Valhalla	Vahalla-based Routing Engine Functions
Water Network Tools	Utilities for Modeling Water Networks

QGIS Plugin Review – the Observations

Printing ‘Category’ Plugins (22: 1 - 11)

atlasprint	Atlas support
AutoLayoutTool	Layout Creator
CDU Creator	PDF generation
DEMto3D	Link in QGIS for 3D Printing
Easy Print Menu	PDF Page Production
Easy Template Print	Using Templates and Text
ekMap Server Publisher	Publisher Support for eKMap Server
EZPrinter	Easy Map Printing
HML Table Exporter	Export of QGIS Vector Table to an HTML Table
HTML Generator	HTML Table Generation from a Layer
Instant Print	Printing of a Map Excerpts to a File

QGIS Plugin Review – the Observations

Printing ‘Category’ Plugins (22: 12 - 22)

Layout Panel	Adds a New Panel to Manage Print Layouts
Lizmap	Publishing of QGIS Map on Web via Lizmap Web Client
Lizmap server	Publishing on QGIS Server via Lizmap Web Client
Maps Printer	Export of Print Layouts to PDF/SVG/JPG/TIF/PNG
NapkinGIS – Prepare	Publishing for QGIS Projects to NapkinGIS
PolySTrip	Polygon Arrangement by Line Features for Atlas Creation
QGIS Cloud Plugin	Map Publisher to qgiscloud.com
qgis2web	Export to an OpenLayers / Leaflet Web Map
QR Barcode Layout Item	Allows Addition of QR and Linear Barcodes to QGIS Prints
QuickPrint	Allows a Simple Way to Print PDFs from a Map Pane
Track Profile to Web	Allows QGIS Map Exports to Interactive Leaflet Maps (with profile)

QGIS Plugin Review – the Observations

Raster ‘Category’ Plugins (69: 1 - 12)

Alloy Search Here	Radar Data Support (Searchs for ‘Alloy’ Items)
ArrNorm	radiometric normalization
AustrianElevation1m	Elevation display
Batch Heatmaps	Heatmap Creation
Batch Hillshader	Hillshading
BioDispersal	Dispersal from Permeability
Bit Flag Renderer	Image quality assessment
Cloud Masking	Cloud masking
Cloud removal from sentinel 2	Area Masking
Contrast homogenizer	Contrast Enhancement of Images
Convert Heights	Elevations calculations
Coregistration	Image Co-registration

QGIS Plugin Review – the Observations

Raster ‘Category’ Plugins (69: 13 - 24)

Cronometro	Time Series creation
CSTMapMaker	Topo map creation
cx_f_In	Cx_F Data visualization
Easy Raster Splitter	File Splitting
EnMAP-Box 3	Remote Sensing for QGIS
EO Time Series Viewer	Time Series Visualization
EOF-based Time Series Reconstructor	Data Gap Filling Tool
Feature Grid Creator	Grids Conversion of Line or Polygon
Floodplain Inundation Calculator	Floodplain Inundation Calculation
FORCE4Q	Landsat / Sentinel Composites/Time Series
Freehand raster georeferencer	Interactive Georeferencing Tool
FUSION for Processing	LIDAR Analysis and Visualization (FUSION)

QGIS Plugin Review – the Observations

Raster ‘Category’ Plugins (69: 25 - 36)

GEE Timeseries Explorer	Data Layer Exploration via Google EarthEngine
GIS4WRF	Weather Research and Forecasting Toolkit
Google Earth Engine	Integrates QGIS with Google Earth Engine
Heightmap Export	Heightmap Export of USGS DEM Data
HTP Geoprocessor	Geoprocessing of Hyperspectral Phenotyping Datasets
JapanElevation	Elevation Data Display from GIA API – Japan
Kuwahara Filter	Non-linear Smoothing (Kuwahara Filter) of Imagery Data
Mapflow	Real World Object Extraction from Satellite Imagery (Geoalert)
MODIS_TK	Time Series Analysis of MODIS (HDF) Data
movecost	Calculation of Least Cost Path Metrics (an Rscript for QGIS Use)
MTF Estimator	PSF/MTF Estimation for Edge Detection in Low Quality Imagery
NowcastTool	Uses Nowcast Tiles to Create Weather Animations

QGIS Plugin Review – the Observations

Raster ‘Category’ Plugins (69: 37 - 48)

One Click Raster Stacking	Toolbar Button to Expedite Stacking/Visualizing Rasters
Oracle Georaster Plugin	Adds Access to Oracle Georasters Using GDAL
Partial Histogram	Creation of a Histogram of Values of Part of a Raster
PCA4CD – PCA for change detection	Plugin to Build a Change Detection Layer from PCA Method
PIBC	Handling of Scanning Electron Microscopy Imagery in QGIS
PostGIS Raster Import	Import of Rasters to pgRaster (PostGIS/QGIS)
PPConverter	Conversion of PhoToPlan Images to GeoTIFFs
Profile Export	Exports Raster to XML Files
ProfileAAR	Photogrammetric Rectification Tool – Archaeological Excavations
QgribDownloader	GRIBS Downloads for Meterological/Weather Forecast Data
Qlr Browser	Allows Use of Quantum Intermediate Resolution Files in QGIS
Qtiles	Generates Tiles for Selected Zoom Levels

QGIS Plugin Review – the Observations

Raster ‘Category’ Plugins (69: 49 - 60)

Quick Layer	Image Switching Using Shortcut Keys
QuickDEM4J	Conversion of DEM/XML (Japan) to DEM GeoTIFF
Raster Cutter	Export a Raster Layer as an Image
Raster Divider	Division of a Raster Image in to Equal Sized Parts
RasterDataPlotting	Creation of Spectral/Temporal Pixle Plots from Raster Data
RasterTool	Pixel Value Extraction to CSV; Conversion to Point Shapefiles
Sentera 6X Post Processing	Mosaicing of Sentera 6X Imagery
Serval	Raster Editing Tools
SLD4raster	Creates SLD (Stratified Layer Descriptor) Files for rasters
Stack Composed	Computation of a Parallel Process for a Raster Image Stack
Table to Style	Creation of Raster Style Information from Reading an Attribute Table
Temporal/Spectral Profile Tool	Raster - Plots a Profile of Raster Bands

QGIS Plugin Review – the Observations

Raster ‘Category’ Plugins (69: 61 - 69)

Terminus	Tools for Image Segmentation (requires Scikit-image Python library)
Terra Antiqua	Creates Digital Elevation Models of Paleogeographic Maps
Thin greyscale image to skeleton	Thinning of a Greyscale Image to a Greyscale Skeleton
ThRasE	A Powerful/Fast Raster Editor
Value Tool	Display Raster Data in Tables or Plotting of Values
Vector Bender	Computes Site Specific Soil Lines via NIR-Red Band Spectral Data
Vertical Photo Placer	Vertical Drone Photo Placement – for Emergency Response Use
Virtual Raster Builder	GDAL Virtual Raster (VRT) File Creator
Volume Calculation Tool	Volume Calculation Based on DEM Layers

QGIS Plugin Review – the Observations

Remote Sensing ‘Category’ Plugins (19: 1 - 10)

GEOSYS Plugin	Access to Landsat/Sentinel Sensor Data
Google Earth Engine Data Catalog	Access to Satellite Imagery
LCCS3 Basic Coder 3	Access to LCCS3 Classes for Feature Coding
MESMA	Toolsfor Multiple Endmember Spectral Mixture Models
MetaSearch Catalog Client	Toolsfor Multiple Endmember Spectral Mixture Models
MOS-Adeupa-CE	Land Use Modeling from Imagery
Neural Network MLPClassifier	Neural network MLP Supervised Classifier
Open LiDAR Toolbox	LIDAR Data Preparation and Analysis for Archeology
OpenPlannetary Tile Loader	Access to Mars and Moon Basemaps
PolSAR tools	Generation of Polarimetric Descriptors of SAR Data

QGIS Plugin Review – the Observations

Remote Sensing ‘Category’ Plugins (19: 11 - 19)

PS Time Series Viewer	Time Series Visualization of Speed of Scatters
qgissprp	A Photogrammetric Route Planner
Quick STEP GEOBIA	Remote Sensing– Accuracy Assessment (GEOBIA/STEP-based)
RasterTimeseriesManager	Explore/Visualize Earth Observation Imagery
RoofDraw	Vector File Creation from Sentinel 2 Image Analysis
RS&GIS	Creates Standard Outputs from Satellite (Lansat) Data
Semi-Automatic Classification Plugin	Supervised Classification of Remote Sensing Images
Spectral Library Tool	Tools for Multi/Hyperspectral Libraries
Spectre Viewer	View Spectra Storeed in a Geodataset (Postgres Array)

QGIS Plugin Review – the Observations

Vector ‘Category’ Plugins (278: 1 - 12)

Add a Point Road Sign	Point Road Signs to a Traffic Management Design
Advanced Line Editor	Lines Editing Tools (and Segment Deletions)
Anaximandre	3D lines from Topos
Animate OSM	OSM Change Animation
AnotherDXFImporter	DXF Import
Append Features to Layer	Append/Update Features
ArcheoCAD	Vertices to Objects
Area Along Vector	Create from Values
Area Ratio	Area ratioing
Articulacao Systematica	Systematic joins
Assisted-MapMatching	Network tracking
Attribute based clustering	clustering by attributes

QGIS Plugin Review – the Observations

Vector ‘Category’ Plugins (278: 13 - 24)

automatic numbering plugin	Auto Polygon numbering
Azimuth and Distance Calculator	Azimuth calculations
Azimuth and Distance Plugin	from Azimuth/Distance
Batch GPS Importer	GPS Data Import
Batch Vector Layer Saver	Batch processing
BDOO_GML	GML Import
BDOT10k_GML_SHP	Shapefile/GML Import
Beeline	Points along Great Circle
beePen	Freehand drawing
Bezier Editing	from Belzier Curves
BoundaryClassification	Digitizing from Imagery

QGIS Plugin Review – the Observations

Vector ‘Category’ Plugins (278: 25 - 36)

Buffer by Percentage	Polygon buffering
buildSeg	segmentation
Cadastral Classifier	Parcel classification
Cadastral Divisions	Polygon Split by Line
Cartographic Line Generalization	Line generalization
CCTV Mapper	Sewer Line Inspection Plots
CE-QUAL-W2_Bathymetry	Bathymetry generation
CityJSON Loader	JSON Data Import
Clear Null Geometry	Null geometry clearance
Clip Multiple Layers	Data clipping
Clip to Hemisphere	Data clipping
Clipper	Data clipping

QGIS Plugin Review – the Observations

Vector ‘Category’ Plugins (278: 37 - 48)

Cluster Analysis	clustering by attributes
ClusterMap	Chloropleth mapping of clusters
ClusterPoints	Point clustering
CoGo Plugin	Land Parcel Mapping
Concave Hull	Convex Hull Computations
Contour Plugin	Contours from Points
Coord List	Coordinate List of Object Vertices
CoordGuesser	Coordinate guesser
Coordinate Capture	Coordinates from Mouse Input
Coordinates Converter	Coordinate Converter
Coordinator	Coordinate Transformation

QGIS Plugin Review – the Observations

Vector ‘Category’ Plugins (278: 49 - 60)

Corrector for Vector	Polygon Reshaping
Crayfish	Mesh Layer Tools
Create Layer From Selected Features	Layer creation from selectd features
Criar Pontos nos Rios	Linear hydrography creation
Cruise Tools	Marine cruise data capture
Curve Number Generator	Curve Number Layer creation
CZMI Billboard Maker	3D Rendering of Points
Danish Address Tools	Addressing tools
Data Explorer: Data Analysis and Visualization	Time Series exploration plots
Data-Driven Input Mask	Input masking of PostgreSQL layers
Degree to DMS table converter	Coordinate Converter

QGIS Plugin Review – the Observations

Vector ‘Category’ Plugins (278: 61 - 72)

Delft3D Flexible Mesh	Mesh Layer Tools
Diachronix	River reach segment extraction
DICT	Point of Contact processing
Digitize local coordinates	Coordinate Digitizing
Digitizing Tools	Digitizing Tools (enhanced)
Digitransit.fi Geocoder	Address geo-coding
Dimensioning	Memory Layer for style dimensioning
DirectionalSlop	Directional slope calculation
Disconnected Islands	Transport Network Layer tools
Discovery	Gazateer Functionality
Dissolve Related	Dissolving for Connected Objects
DistanceCartogram	Distance Cartogram creation

QGIS Plugin Review – the Observations

Vector ‘Category’ Plugins (278: 73 - 84)

Distribution Map Generator	Distribution mapping from points
DMS to degree table converter	Coordinate Converter
Dot Map	Density Dot Layer creation
DSG Tools	Cartographic Production Tools
DWA_M150_XML_Import	Data Import from DWA XML
Easy Processing Tool	Korean Data Processor
Encoded Polyline	Encoded Polyline Importation
Equirectangular Viewer	Equirectangular Image Viewer
Estonian IN_ADS search	Address Searching via Web Service
eVIS	View Associated Images
ExcelSync	Vector - .xlsx File Linking to a Shapefile
Export to SQL Server	Layer Export to SQL Server Database

QGIS Plugin Review – the Observations

Vector ‘Category’ Plugins (278: 85 - 96)

FeltTegn	Archeology Survey Data Processing
Fetch	Generate a ‘geographical fetch’
FIT	Import of FIT Points from GPSs
Flight Planner	Flight Plan Layout Functions
Flight Simulator Tools	Export of Spatial Content to Flight Simulator
Flow Trace	Upstream Line Segment Selection
Forest Roads Network	Vector Network Creation for Forest Roads
Format consistency	Encoding Checker for Features / CRSs
French Locator Filter	Geocoding using French API
GarminCustomMap	Map Canvas Export to .KMLZ
Gban	Geocoding using French BAN API
Generalizer3	Line generalizatin and smoothing

QGIS Plugin Review – the Observations

Vector ‘Category’ Plugins (278: 97 - 108)

GEO_search	Geosearching of Parcel Layer Data
BeoBarcelona	Address Zooming – Barcelona Locations
GeoCoding	Geocoding Using Nominatum / Google Web Services
geoCore	Graphical Representation from Core Drillings
Geodesic Densifier	Vertice Geometry Tool
Geodesic Tools	Geodesic Tools for Data Manipulation
Geofabryka Toolbox	Object Digitization/Manipulation
GeoJson Renderer	File Rendering of GeoJSON Files
Geokodowanie Adresow UUG GUGiK	Geocoding CSV File Formatting for Poland
Geometry Checker	Geometry Error Checker
Geometry Paster	Geometry Transfer to Feature Set(s)
Geometry Shapes	Drawing of Basic Geometry Shapes

QGIS Plugin Review – the Observations

Vector ‘Category’ Plugins (278: 109 - 120)

Geoprivacy	Location Privacy Tools
Georeferencer GDAL	GDAL Georeferencing Core Capabilities
Geosearch DK	Zoom Tool for Names Places in Denmark
Get WKT	Display of WKT, EWKT and JSON Data
Gimp Select Feature	Import of Areas from GIMP (Brazilian)
GisTools	Tools to Automate Import of GPX Files
GMSH	Interaction with GMSH Mesh Layer Generator
Google Street View Layer	Google Street View Data Fetch from Road Layer
GPS Tools	GPS Data Importer
GPX Segment Importer	Line Segment Generation from GPS File Data
GTFS Loader	Import GTFS ZIP Files Vector Data
GTFS-GO	Import GTFS ZIP Files Vector Data

QGIS Plugin Review – the Observations

Vector ‘Category’ Plugins (278: 121 - 132)

Heliware	QGIS Exporter to Heliware Software Package
History viewer for PostgreSQL base with audits	Audit Viewing of PostgreSQL Datasets
HouseNumbering3	Attribute Value Increase Tools
Hqgis	Routing/Geocoding Using the HERE API
ICSM NTv2 Transformer	Australian (ICSM) Coordinate Transformation Support
IGC Importer	IGC File Import to Line Segments from Track Points
IMAMA processing	Footprint Cataloguing of Raster Images
Import Photos	Import of GeoTagged Photos to a Layer with Attributing
Import.3d file	Import of Survey 3D Files
ImportEpanelinpFiles	EPANET INP File Import
Inclinometry calculator	Calculator for Inclinometry
Indicatrix mapper	Enhanced Data Reprojections

QGIS Plugin Review – the Observations

Vector ‘Category’ Plugins (278: 133 - 144)

interlis	Interlis Data Loading to PostGIS via QGIS
isochrones	Creation of Isochrone Maps from Network/Catchment Data
Join multiple lines	Line Layer Feature Merging
JSON Eater	Data Import of JSON Format Datasets
JSON to Waterbodies for QGIS	Waterbody Feature Import via Overpass API and JSON
Karika	Terrain Generalization by Line Interval Convolution
KLIC Viewer	B4Udig (Netherlands) Results Viewer
KML Tools	KML/KMZ Importer (GeoTIFF Conversion Support)
KP Find	Geodetic Distance Calculator
Land Survey Codes Import	Land Survey (GPS/Total Station) Data Import
LandXml import plugin	Import via XML of Cadastral Survey Data

QGIS Plugin Review – the Observations

Vector ‘Category’ Plugins (278: 145 - 156)

layer2kml	Layer Export to KMZ
Licence area scraper	Area Extraction for Licensing (Permitting) Areas
LinzSnap	Draws Observations & Station Vectors from LINZ Network
Locate points along lines	Point Creation Along Lines
LRS	Build and Edit Linear Reference Systems
Magic Wand	Facilitates Polygon Creation
Magnetic Declination	Calculation of Magnetic Heading or True Geographic Heading
Map Corners Coordinates	Creation of Map Corner Coordinates; Saves to a Text File
Medir distancia entre...	Measures the Distance Between Two Points
MGRS Tools	Capture/Zoom Tools to Military Grid Reference Systems (MGRS)
Midvatten	SQLite Toolset for Editing Hydrogeological Data
Minkowski Dimension Calculator	Calculates Minkowski Dimensiion of Vector Layer Features

QGIS Plugin Review – the Observations

Vector ‘Category’ Plugins (278: 157 - 168)

MonParcellaire	Vector - Parcel Data Management Plugin for QGIS
Morfofrac	Fractal Dimension Calculation for Polygons – Box Counting
Move Features	Plugin for Moving Features from One Location to Another
Move lines on points by attribute	Plugin for Moving Lines on Points by Attributes
MSDC Client	QGIS Client for Malawi Survey Data Collector
Multi Maps	Composition of Multiple Maps on a Single Layout
Multi Ring Buffer	Creation of Fixed Distance Buffer Rings
Multi-distance buffer	Creation of a Multi-Distance Buffer Vector Layer
MultiJoin	Joining of vector layers for polygon with matching field values
Multilayer Select	Toolbar Functions for Point/Rectangle/Circle Pick Across Layers
Multipart Split	Split Multipart Features During Editing
Multiple Layer Selection	Selection/Deselection of Features Across Multiple Layers

QGIS Plugin Review – the Observations

Vector ‘Category’ Plugins (278: 169 - 180)

Multiple Layers Tools	Multiple Layer Tools – Edit, Commit, Undo – via DBs
Navtable	Viewer for Records in QGIS
Networks	Management of Linear Networks – Multimodal Routing
NNJoin	Nearest Neighbor Joins of Vector Layers
NTv2 Datum Transformations	Coordinate Transformation
Numerar Lote	Real Estate Parcel Lot Numbering Tool
NumericalDigitize	Vertex Coordinate Editor – via Keyboard or Clipboard
ODKTrace2WKT	ODK Geotrace Conversion to WKTs
Offline-MapMatching	Trajectory Matching with a Network – Using Algorithms
OIV	Object Placement According to Dutch COGO Data Model
Online Routing Manager	Route Creation via Online Services (Google Directions, etc)
ORS Tools	OpenRouteService Routing, Isochrones, Matrices for QGIS

QGIS Plugin Review – the Observations

Vector ‘Category’ Plugins (278: 181 - 192)

OS search for addresses	Address Searching – if you have an OS API Key
OSM place search	Location Searching Based on OSM - Nominatim Online Tool
ParCatGML	GML File Creation Validated Cadastral Parcel(s)
Path Sorting	A Plugin to Allow a Lines Direction to Be Changed
pathfinder	Copy File Paths to QGIS and Open the File Explorer
Pelias Geocoding	Forward and Reverse Geocoding Tools for QGIS (Pelias-based)
pgChainage	PostgreSQL/PostGIS Linestring Table Editor
pgRoutingLayer	Widget to Add pgRouting Layers
PipelineML GeoPackager	Tools to Load “PipelineML” Data (Oil & Gas Metrics) in to QGIS
PisteCreator	Display of Along and Cross Slope Info for Vector Line Editing
Place Marker	Tool to Add Placemarks to a Vector Layer
Placekey – Address Matchin & Entity Resolution	Tool to Add Placekeys to Vector Data Layers

QGIS Plugin Review – the Observations

Vector ‘Category’ Plugins (278: 193 - 204)

Plain Geometry Editor	Geometry Editor for Vector Feature Layers
Plot Boundary	Generation of Plot Boundaries for Agricultural Plots
POI Exporter	Points of Interest (POI) Creation from Vector Point Layers
POI Visibility Network	Visualization of Sightlines from Urban Points & Street Networks
PointConnector	Line Creation from From-To Lists of Coordinates
Polygon Cluster Reducer	Polygon Removal from Data Clusters – Given User Parameters
Polygon Divider	Splitting of Polygons in to Squarish Polygons of a Set Size
PosiView	Tracking of Multiple Mobile Objects and Position Display(s)
PostGIS geoprocessing tools	Tools for Geoprocessing of Vector Data in PostGIS/QGIS
PostGIS Sampling Tool	Managemment of Triggers in PostGIS – and Attribute Copying
postgisQueryBuilder	User Friendly PostGIS Query Generation
PostNAS suchfunktionen	Search Function for PostNAS Database

QGIS Plugin Review – the Observations

Vector ‘Category’ Plugins (278: 205 - 216)

ProfileFromPoints	Plots Profiles or Cross-sections of Survey Points
Qban(o)	Address Geo-coding using BAN (Base Adresse Nationale)
Qchanage	Creates Point(s) Layer(s) from Line Layers
Qdraw	Facilitates Easy Drawing of Simple Shapes
QEPANENT	Building of Correct EPANETs for Simulation Analysis
Qesg	Aids Design of Sanitary Sewage System Networks
QgeoloGIS	Visualization of Well Logs in QGIS
QGEP	Management Tool for Wastewater Networks
Qgeric	Graphical Queries from Drawn Simple Shapes
QGIS GMS Application Schema Toolbox	Consumes GMLS Complex Features (INSPIRE-like vector data)
qgSurf	A Structural Geology / Field Mapping Tool
QrectangleCreator	Creation of Rectangular Polygons from Width, Length of Rotation
Quick Attribution	Bulk Attribution for Digitized Geometries

QGIS Plugin Review – the Observations

Vector ‘Category’ Plugins (278: 217 - 228)

QuickWKT	Provides for Pasting/Viewing of (E)WKT and WKB Code
Radiotack	Visualization of Radiotracking (Telemetry) Data
Raster Tracer	Allows for Tracing of Lineal Features from Raster Maps
RDI Croisement Dynamique	A Plugin for Working with PostGIS Schemas
realcentroid	Creation of an Internal Point for a Polygon
ReconstructLine	Reconstruction of Linear Features from Points
Rectanglify	Turn Selected Features of a Polygon in to Rectangles
Red Layer	Allows Sketching/Drawing on a Map Canvis (to .sketch txt file)
Relation Batch Insert	Batch Insertion of Selected Features
Reverse Flow Directioin	Allows for Changing the Direction of a Polyline Feature
Road Inspection Viewer	Display of Photos from Road Inspections
Seismic Positioning Data Importer	Import of Seismic Positioning / Navigation Data (P1/11, SPS, etc.)

QGIS Plugin Review – the Observations

Vector ‘Category’ Plugins (278: 229 - 240)

Select Within	‘Within’ Reporting of Centroids, Surfaces, %, and ‘Mostly’ Within
Send2GE	Sending of ‘Current Location’ to GoogleEarth
Shape Tools	A Collection of Geodesic Shapes and Tools for Vector Data Creation
Shapefile Encoding Fixer	Fix ‘broken encoding declarations’ for ESRI Shapefiles
shptools	Shapefile Conversion to o”RayMan” Input Object Files
SIGPAC Downloader	SIGPAC Parcel Downloader
SimpleSvg	SVG File Creation from a View; Inkscape Editable
Smart-Map	Creation of Management Zones via Kriging/Machine Learning
Smarty	Smarty Geocoding Tool (US Addresses)
Smooth Geometry Tool	Vector Geometry Smoothing Tool
Spatial Design Network Analysis	Use of Spatial Data Network Analysis Within QGIS
Spline	Spline Digitizing Tool

QGIS Plugin Review – the Observations

Vector ‘Category’ Plugins (278: 241 - 252)

Split Features on Steroids	Splitting Area Features After Editing of Cutting Line Vertices
Split Polygon	Dividing of Polygons in Different Ways
SQUAD Tool v3	Checks for Six Anomalies Based on Point Location Errors
Standard Deviational Ellipse	Creation of a Standard Deviational Ellipse from a Set of Points
Standard Distance	Calculates the Standard Deviation (Positionally) of a Set of Features
Stream Feature Extractor	A Tool for Extracting Features from a Stream Network
Street View	Tools to Open GoogleStreetView to Two Identified Points in QGIS
Swap Vector Directions	Reverses the Direction of a Vector
TAFtoCSV	Conversion of Fiducial Points (IRA-Italy) to a Standard CSV File
Tempus	Multi-modal Route Planning via the ‘Tempus’ Framework in QGIS
Testada de Lotes	Generation of a New Layer with Extraction of Batch Tested Lines
Tile Network Order	A Network Order Plugin Generating Ordering, ID, Depths, Flow Info

QGIS Plugin Review – the Observations

Vector ‘Category’ Plugins (278: 253 - 264)

To Decimal	Conversion of Latitude/Longitude Values to Decimal Values
To Radians	Conversion of Latitude/Longitude Values to Radians
TomTom Locator Filter	Adds a TomTom Locator Filter (geocoder) to QGIS
Topographic Profile	Generation of a Topographic Profile from a CSV File
TopoJSON Writer	Writes Vector Layers to the TopoJson Format
Topology Checker	Finds Topological Errors in Vector Files
totalopenstationToQgis	Total Open Station Data Downloading and Proceession
USGS Stream Mapper	Display of bsins and channel flows from USGS NHD Network Data
Valhaeloroutes Vvoies Vertes	Cycling Route Creation Following the COVADIS Standard
Vector field layer manager	Point Layer Display with Vector Arrows (eg Fluid Flows)
VectorFieldCalc	Calculation of Vector Field Parameters (eg magnitude, curl, etc.)
versioning	Tool to Manage Data History, Branches, Offlline Work (PostGIS/QGIS)

QGIS Plugin Review – the Observations

Vector ‘Category’ Plugins (278: 265 - 278)

Vgi2Shp	Slovak Cadastral VGI Format Converter to ESRI Shapefiles
VoGIS-ProfilTool	Creation of Profiles from DEMs Using Vector Geometries/Digitized Line
WaterNewAnalyzer	Generate Water Networks, Get Flow Path Upstream/Downstream
What3words Tools	Global Grid of 57 trillion 3m x 3m squares; Unique Code for Each
Wincan 2 QGEP	Import of Pipe Inspection TV Data (in WinCan VX & QGIS)
Wtyczka APP	Spatial Data Creation Tool for Polish Acts (APP)
Xplanung	QGIS Interaction Tool to Use with Xplan-PostGIS Project

QGIS Plugin Review – the Observations

Miscilenaous 'Category' Plugins (5)

PrecisionCursor	Display Enhancement – Switch Mouse Cursor to High Precision Pointer
Bivariate legend	Legends – Creation
Custom News Feed	Miscellaneous -Display of Newsfeed in QGIS
autoSaver	Project Backups
Custom Projector Creator	Projection – CRS Custom Projection creation

Deprecated or 'Broken' Plugins (9 + 6)

“Thanks !” to the QGIS Community



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Questions ?