

QGIS w nietypowych zastosowaniach

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V ŚLĄSKI KONWENT INFORMATYKÓW I ADMINISTRACJI
Szczyrk 11-12 czerwca 2015

Priorytety projektu – kontrola jakości

Help make Open Source a better place and start building better software today!

qgis/QGIS  build passing

[Current](#) [Branches](#) [Build History](#) [Pull Requests](#)

 Settings





master reenable tips for new minor releases



Juergen E. Fischer authored and committed


2413 passed

 Commit 765d1a9

 Compare ed581ae..765d1a9

 ran for 29 min 43 sec

 about 5 hours ago

 Download Log

```
1 Using worker: worker-linux-027f0490-2.bb.travis-ci.org:travis-linux-4
2
3 Build system information system_info
67
68 $ git clone --depth=50 --branch=master git://github.com/qgis/QGIS.git qgis/QGIS git_checkout 23.08s
69
70 Starting PostgreSQL v9.1 postgresql
71
72 $ export CXX=clang++
73 $ export CC=clang
74 $ clang --version
75 clang version 3.4 (tags/RELEASE_34/final)
```

Priorytety projektu – LTR

QGIS 2.8 LTR – wersje z rocznym wsparciem.

QGIS 2.10 – nadchodzi ...



Sponsorzy z instytucji publicznych:

- Vorarlberg (x2) – kraj związkowy w Austrii
- Solura – kanton w Szwajcarii
- Uster – miasto w Szwajcarii
- Office of Public Works, Irlandia
- Royal Borough of Windsor and Maidenhead, Wielka Brytania
- Wydział Geologii, Geofizyki i Ochrony Środowiska – AGH, Polska

Darczyńcy komercyjni i indywidualni:

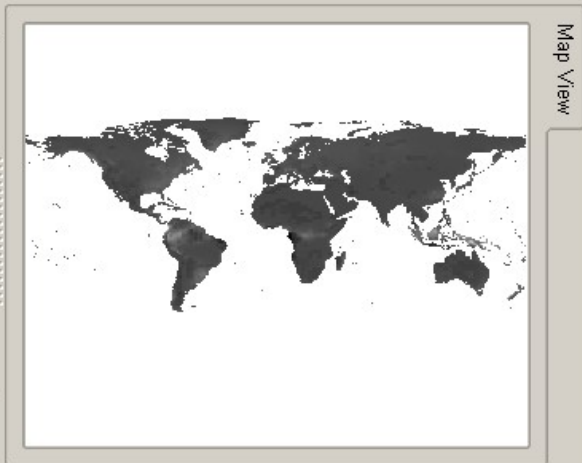
- dłuuuuuuga lista

File View Layer Settings Plugins Help



Legend

Legend panel showing a layer named "Mean_daily_precip..." with a small legend symbol and a color scale bar.



Map View

Print

Scale 1: 4724

-1.421,1.167

Render



QGIS – centrum integracji

- GDAL/OGR
- GRASS GIS
- SAGA
- Orfeo Toolbox
- TauDEM
- ...
- procesing
- ...

Wszystkie Szukaj Q

Zainstalowane
 Niezainstalowane
 Nowości
 Ustawienia

- EqDistant Plugin
- Feature Grid Creator
- Flow Estimator
- GdalTools
- Mes dossiers GéoFoncier
- Google Maps Engine Connector
- HouseNumbering
- IPyConsole
- Layer arranger
- Load QSS
- MBTiles images extract
- Memory Layer Saver
- CSW MetaSearch Catalogue Client
- Multi-distance buffer
- MultiEdit
- OSMDownloader
- OS Translator II
- PointConnector
- Proportional circles
- QPackage
- QSDM
- Q-RAS
- Qgis2threejs
- QGISCartoDB
- GeoJSONPlugin
- QgisMarkerCluster Plugin
- QGIS Remote Control
- QgsWcpsClient1
- QgsWcpsClient2

Qgis2threejs

3D visualization powered by WebGL technology and three.js JavaScript library

Qgis2threejs plugin exports terrain data, map canvas image and vector data to your web browser. You can view exported 3D objects on web browser which supports WebGL. This plugin uses three.js library.

★★★★★ 63 głosów, 37947 pobrań

Kategoria: Web
 Tagi: terrain, WebGL, 3D, three.js, web
 Więcej: [strona domowa](#) [bugtracker](#) [repozytorium kodu źródłowego](#)

Autor: [Minoru Akagi](#)

Wersja zainstalowana: 1.3 (in /home/robert/.qgis2/python/plugins/Qgis2threejs)
 Wersja dostępna: 1.3 (in Oficjalne repozytorium wtyczek QGIS)

changelog:

**** General ****

- added object type for line: Box
- added clear settings command to settings menu
- automatically save settings near project file when exporting is done, and restore the settings next time

**** DEM ****

- added GSIElevTilePlugin (DEM provider. Optional feature)
- texture rendering with multiple selected layers
- added option to clip DEM with polygon layer
- added option to increase resolution of texture

Aktualizuj wszystkie Odinstaluj wtyczkę Przeinstaluj wtyczkę Zamknij

Pomoc

Efekt współpracy Agencji Restrukturyzacji i Modernizacji Rolnictwa oraz firmy GIS Support Sp. z o.o.

Narzędzie to wspomaga zdalną obsługę pomiarów GPS w czasie rzeczywistym poprzez QGIS oraz posiada dodatkowe funkcjonalności (...)



<http://www.gis-support.pl/gps-tracker/>

This plugin helps users to use french land registry data, called Cadastre, in QGIS. It is only useful in France for people having access to Cadastre data.

Funded by:

- the European Union,
- Fonds Europeen de Developpement Regional de Picardie,
- Conseil Regional de Picardie,
- Agence de Developpement et d Urbanisme du Grand Amienois.

Flow Estimator

Estimates steady, uniform flow using the Manning equation for trapezoidal and DEM sampled channels. Intended for use by engineers and hydrologists. Requires shapely, numpy, and matplotlib libraires.

Autor: M. Weier - North Dakota State Water Commision

OSM place search

Location search helper based on OSM data, Nominatim online tool, provided by mapquest.

Autor: Xavier Culos (Agence de l'eau Adour Garonne)

Processing BEAM and S-1 Toolbox Provider

QGIS Processing provider for GPF-based algorithms (BEAM and Sentinel-1 Toolbox). Currently supports selected algorithms from BEAM and Sentinel-1 Toolbox (<https://sentinel.esa.int/web/sentinel/toolboxes/sentinel-1>). In the future support will be extended to other Sentinel Toolboxes. This plugin is part of the Water Observation Information System (WOIS) developed under the TIGER-NET project funded by the European Space Agency as part of the long-term TIGER initiative aiming at promoting the use of Earth Observation (EO) for improved Integrated Water Resources Management (IWRM) in Africa.

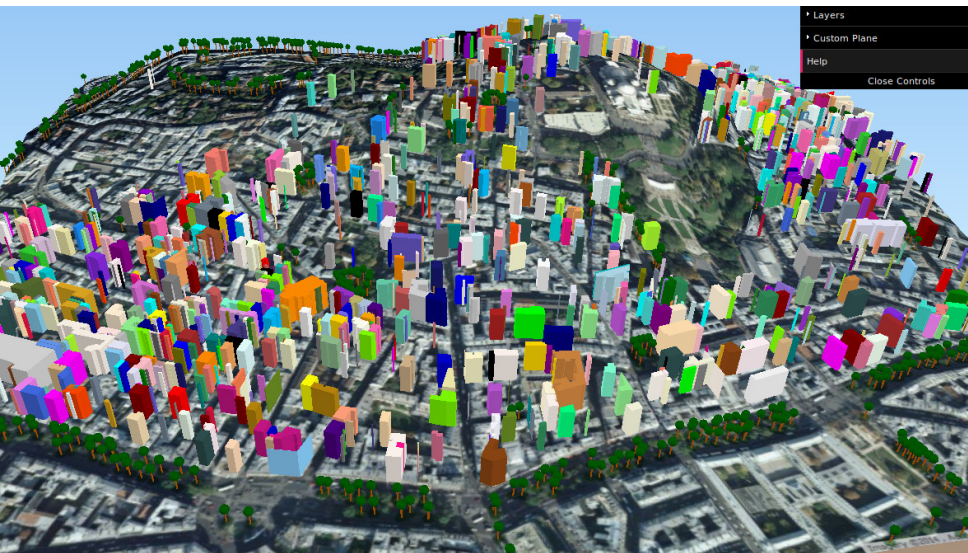
Autor: Radoslaw Guzinski

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Autor: Minoru Akagi



Fragment Paryża, autor: Guilhem Vellut

QuickOSM

QuickOSM allows you to work quickly with OSM datas in QGIS thanks to Overpass API.

Autor: Etienne Trimaille

DSG Tools

Brazilian Army Cartographic Production Tools

Autor: Brazilian Army - Geographic Service Bureau

InaSAFE

InaSAFE is free software that allows disaster managers to study realistic natural hazard impact scenarios for better planning, preparedness and response activities.

Autor: Indonesian Government - BNPB, Australian Government - AIFDR and World Bank - GFDRR

norGIS ALKIS-Einbindung

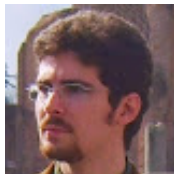
This plugin is dealing with German cadastre data (therefore not localized)

Autor: Jürgen E. Fischer

Semi-Automatic Classification Plugin

Plugin for the semi-automatic supervised classification designed to expedite the processing of multispectral or hyperspectral remote sensing images, which provides a set of tools for pre processing and post processing.

Autor: Luca Congedo



<http://fromgistors.blogspot.com/p/semi-automatic-classification-plugin.html>

Land Cover Classification

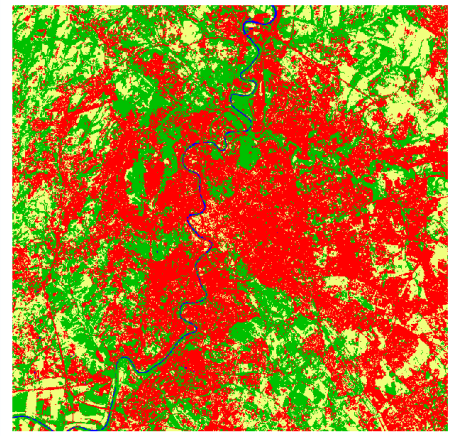
QGIS 2.0.1-Dufour

Project Edit View Layer Settings Plugins Vector Raster Database Processing Help

Input image << band set >>

Layers

- classification.tif
 - 0 - Unclassified
 - 1 - Water
 - 2 - Vegetation
 - 3 - Built-up
 - 4 - Bare_soil
- ROI.shp
- landsat
 - RT_LC81910312014163LGN00_B7...
 - RT_LC81910312014163LGN00_B6...
 - RT_LC81910312014163LGN00_B5...
 - RT_LC81910312014163LGN00_B4...
 - RT_LC81910312014163LGN00_B3...
 - RT_LC81910312014163LGN00_B2...
 - Class_temp_group



SCP: ROI creation

Training shapefile
ROI.shp New shp

ROI list

MC ID	MC Info	IC	C Info
6	3 Built-up	6	Road
7	3 Built-up	7	Built-u...
8	4 Bare_soil	8	Bare_s...
9	2 Vegetation	9	Vegeta...
10	3 Built-up	10	Built-up2
11	4 Bare_soil	11	Bare_s...

Add to signature

ROI parameters

Min ROI size: 60 Max ROI width: 100

Range radius: 0.040000 Rapid ROI on band: 1

ROI creation

+ Redo

ROI Signature definition

Macroclass ID	Macroclass Information
4	Bare_soil

Class ID	Class Information
11	Bare_soil3

Save ROI Add sig. list Undo

Coordinate: 293435,4640328 Scale: 1:142184 Render EPSG:32633

Land Surface Temperature

QGIS 2.0.1-Dufour

Project Edit View Layer Settings Plugins Vector Raster Database Processing Help

Layers

- Result
 - 299.957000
 - 306.811000
 - 313.665000
- Reclassified Grid
- classification.tif
- ROIs
- rgb
- RT_LANDSAT_B10.TIF
 - 298.58
 - 308.45
- RT_LANDSAT_B7.TIF
 - 0.0429965
 - 0.274032
- RT_LANDSAT_B6.TIF
 - 0.095
 - 0.355
- RT_LANDSAT_B5.TIF
 - 0.119
 - 0.482
- RT_LANDSAT_B4.TIF
 - 0.017
 - 0.169
- RT_LANDSAT_B3.TIF
 - 0.018
 - 0.117

Processing Toolbox

Search...

- GRASS commands [157 geocalg...
- Models [4 geocalgorithms]
- Orfeo Toolbox (Image analysis) [...]
- QGIS geocalgorithms [67 geocalg...
- SAGA [243 geocalgorithms]
- Geostatistics
- Grid - Analysis
- Grid - Calculus
 - Function
 - Fuzzify
 - Fuzzy intersection (and)
 - Fuzzy union (or)
 - Geometric figures
 - Gradient vector from carte...
 - Gradient vector from polar...
 - Grid difference
 - Grid division
 - Grid normalisation
 - Grid standardisation
 - Grid volume
 - Grids product
 - Grids sum
 - Metric conversions
 - Polynomial trend from grids
 - Random field
 - Random terrain generation
 - Raster calculator
- Grid - Filter
- Grid - Gridding
- Grid - Spline
- Grid - Tools

Advanced interface

Processing To... Semi-Automatic: ROI cre...

Coordinate: 418189.5443975 Scale: 1:375618 Render EPSG:32631

Land Cover Classification of Cropland

QGIS 2.0.1-Dufour --

Project Edit View Layer Settings Plugins Vector Raster Database Processing Help

Layers

- rgb
- ROI.shp
- RT_LANDSAT_B2.TIF
 - 0.0239335
 - 0.0857925
- RT_LANDSAT_B3.TIF
 - 0.0425365
 - 0.123153
- RT_LANDSAT_B4.TIF
 - 0.03698
 - 0.173854
- RT_LANDSAT_B5.TIF
 - 0.143489
 - 0.388299
- RT_LANDSAT_B6.TIF
 - 0.189081
 - 0.400364
- RT_LANDSAT_B7.TIF
 - 0.0964447
 - 0.348194
- Class_temp_group
 - ROI temp20140101 105835

Semi-Automatic: ROI creation

Input

Select an image

<< band set >>

Select a training shapefile

ROI.shp

ROI parameters

Min ROI size	Max ROI width
60	100
Spatial radius	Range radius
10	0.040000

Rapid ROI on band 1

ROI definition

ID	Information
11	crop

Calculate signature

Processing To... Semi-Automatic: ROI cre...

Coordinate: 808055,4169111 Scale: 1:32162 Render EPSG:32613

Flood Monitoring

QGIS 2.0.1-Dufour

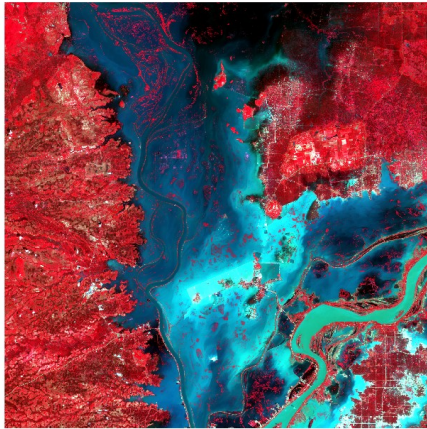
Project Edit View Layer Settings Plugins Vector Raster Database Processing Help

Input image

Layers

- landsat
 - RT_LC81260522013297LGN00_B7....
 - RT_LC81260522013297LGN00_B6....
 - RT_LC81260522013297LGN00_B5....
 - RT_LC81260522013297LGN00_B4....
 - RT_LC81260522013297LGN00_B3....
 - RT_LC81260522013297LGN00_B2....

SCP: Classification Layers



SCP: ROI creation

Training shapefile

ROI list

MC ID	MC Info	C ID	C Info
-------	---------	------	--------

Add to signature

ROI parameters

Min ROI size: 60 Max ROI width: 100

Range radius: 0.010000 Rapid ROI on band: 1

ROI creation

+ Redo

ROI Signature definition

MC ID	MC Info
1	Macroclass_1

C ID	C Info
1	Class_1

Save ROI Add sig. list Undo

Coordinate: 506442.1292802 Scale: 1:391669 Render EPSG:32648



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