

QGIS 3

en 3D?



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Zuidt / OpenGeoGroep

Lid QGIS stuurgroep (PSC)
(community, documentatie bouw, servers, plugins)
<http://qgis.nl>
plugins: pdokservicesplugin, htmlimageplugin, svgplugin etc



Agenda

- Waarom QGIS3
- Planning en Consequenties
- Nieuw
- Vraag (& Antwoord?)



Waarom QGIS3

C++, Qt4, PyQt4 en Python 2.... Einde

- ==> Qt5 en Python 3



Qt5: mobiel, OpenGL, Charts, Web-engine
Python3: better unicode support

- API (Programmeer Interfaces) ververversen/opschonen
- Stabielere/snellere QGIS core (automatisch testen)

Planning

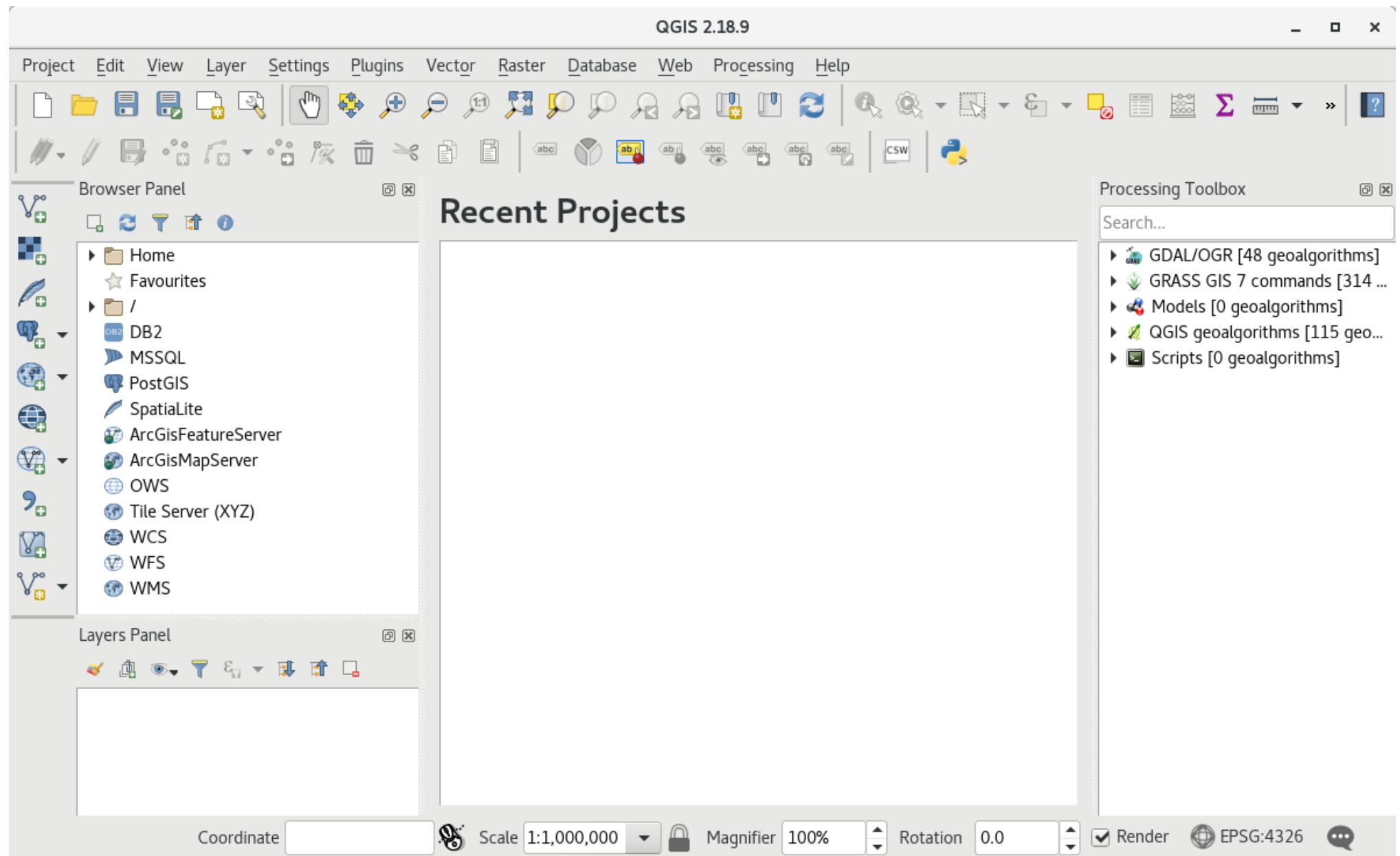
- FeatureFreeze voor 2.99/3.0
- 2.18 is LTR!
- Release 3.0? December ????
- Windows: testen (osgeo4w en weekly's)
Mac: ...
Linux: zelf bouwen
- <http://qgis.org/en/site/getinvolved/development/roadmap.html#release-schedule>



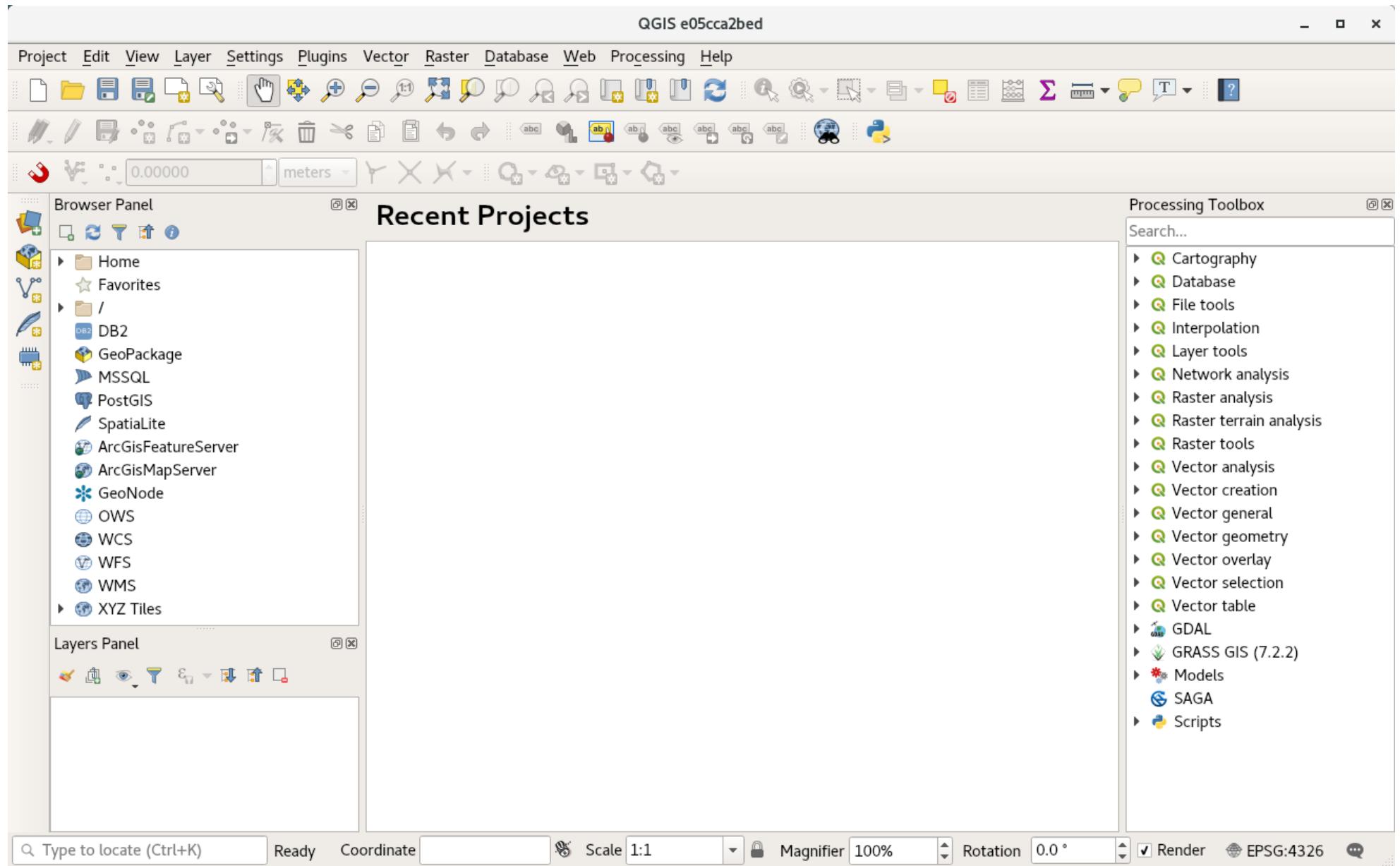
Spoiler: veel heeft plaats gevonden onder de motorkap



Hoe gaat 't eruitzien? 2.18



3.0



Consequenties

- Nieuws !!!

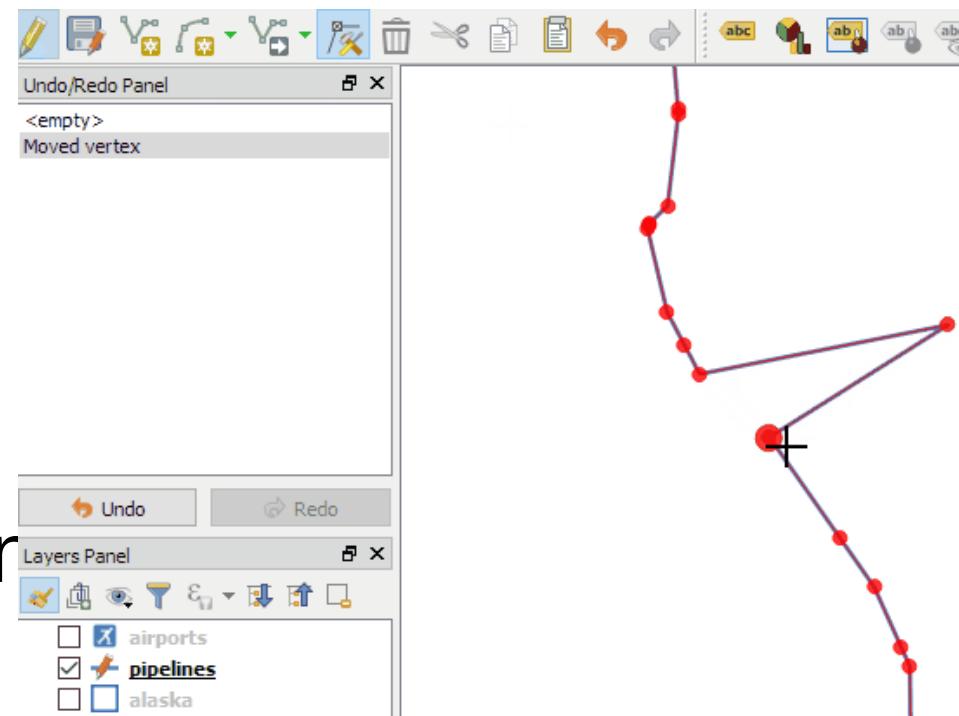


- Maar...
 - Alle QGIS python plugins breken
 - Processing models: stuk
 - Kans op 'issues'



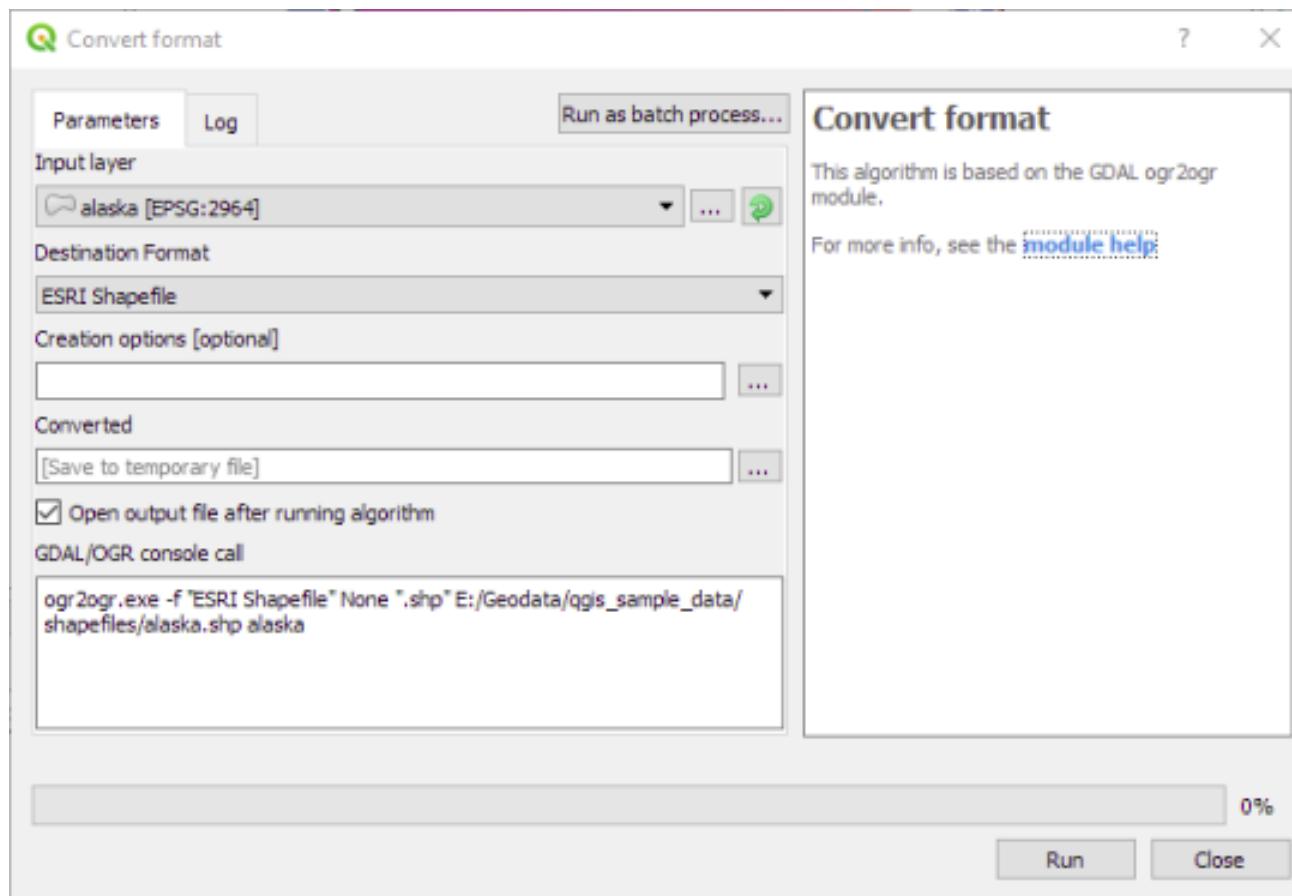
Nieuwe Zaken...

- Digitaliseren: Klik-Klik tekenen, ipv Klik-Sleep
- Meer CAD-achtig:
 - hoeken
 - coordinaten
 - vormen
- Kon al:
 - snappen
 - topologisch editteren



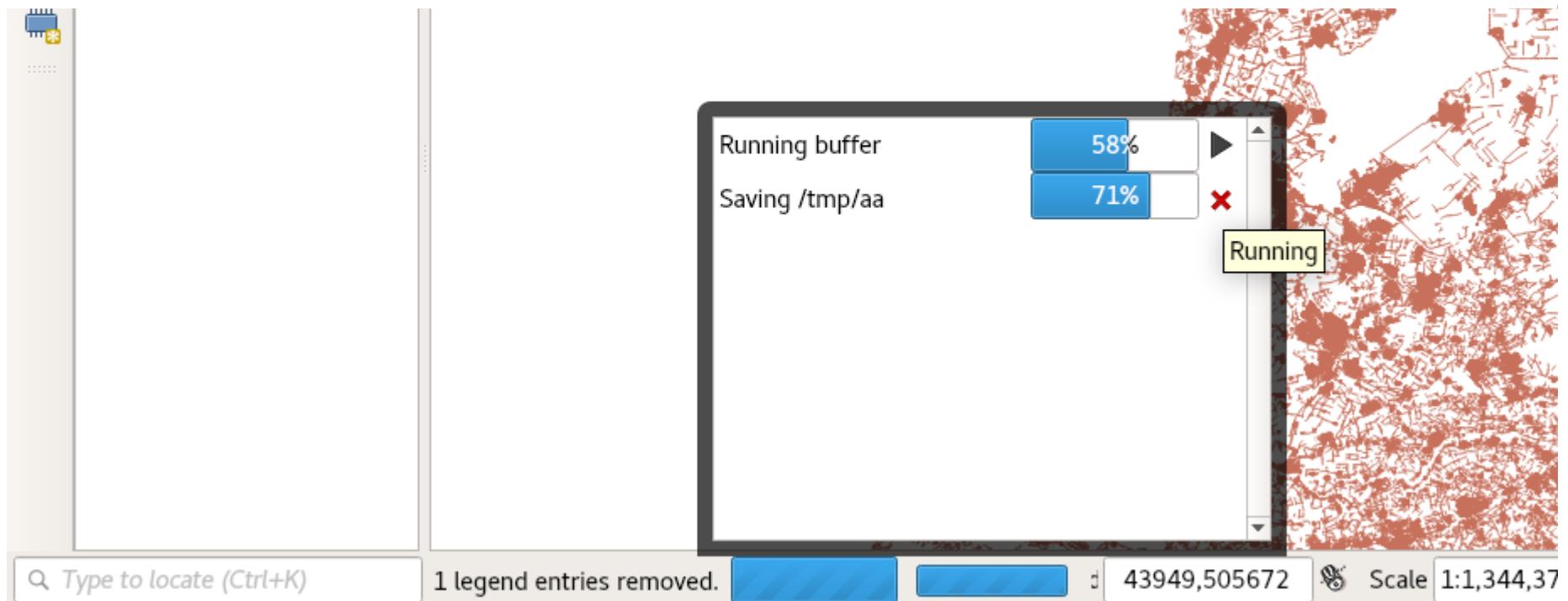
Processing

- Framework → C++
- Veel algoritmen → C++
- Processing toont help + command regel



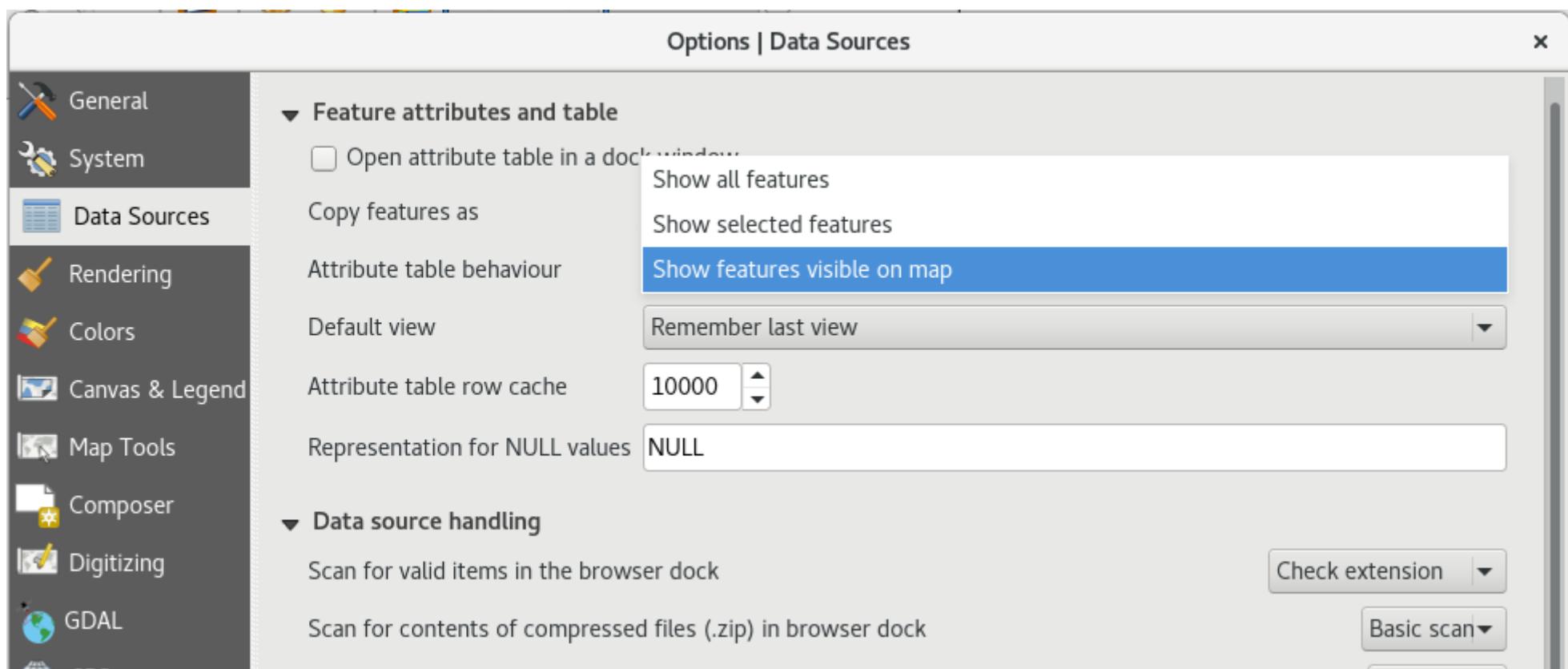
Beurs: Taskmanager

- QGIS niet meer ‘blockend’ voor
 - Toevoegen/opslaan van lagen en afbeeldingen
 - Processing taken uitvoeren
 - Features tellen

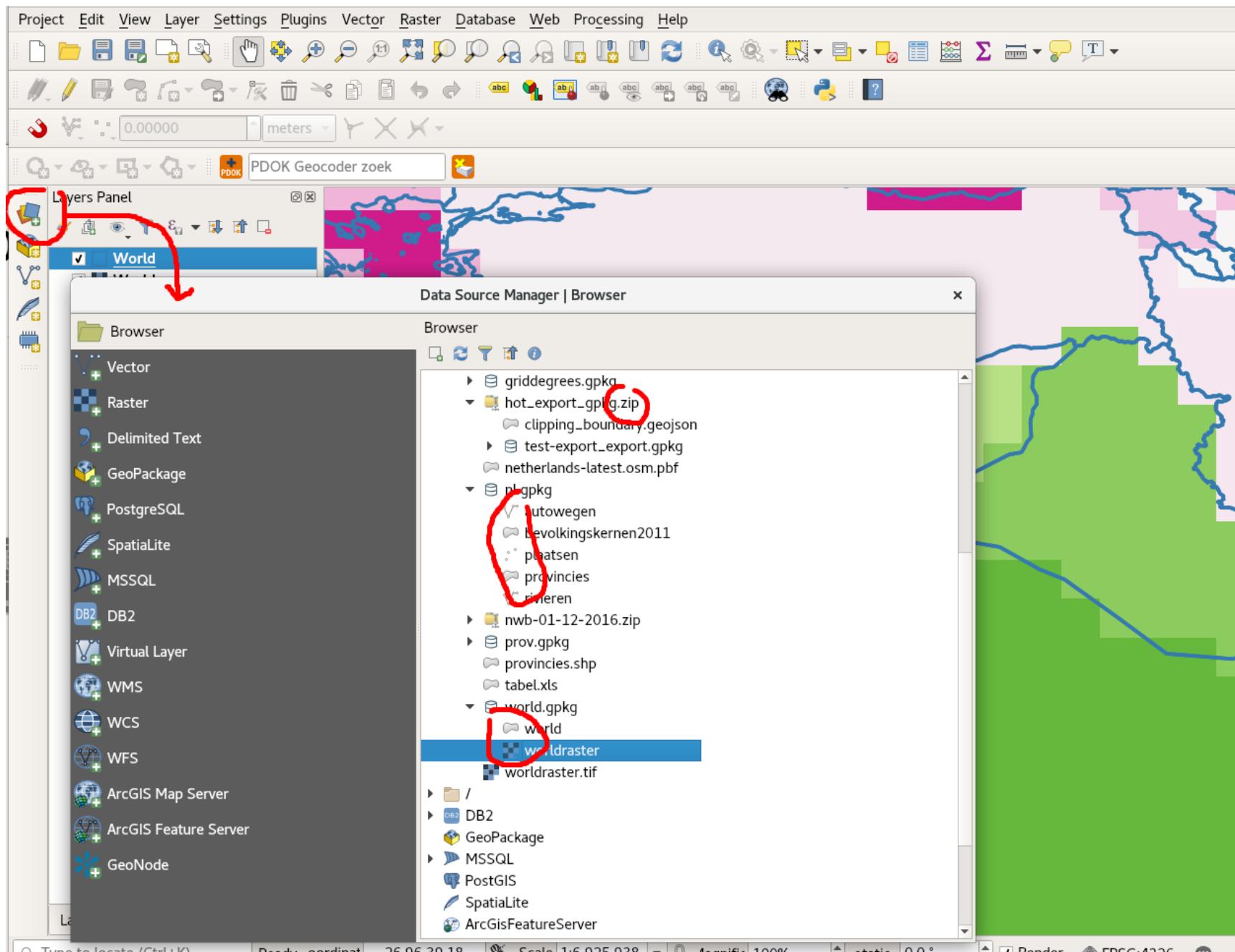


ook

- Attributen ophalen niet meer blockend
- TIP: grote dataset? BAG, BGT, OSM...



One Button to Load them All



Vertrouwde dialogen in nieuw jasje..

Data Source Manager | PostgreSQL

The screenshot shows the 'Data Source Manager' dialog for PostgreSQL. On the left, a sidebar lists various data source types: Browser, Vector, Raster, Delimited Text, PostgreSQL, SpatiaLite, MSSQL, DB2, Virtual Layer, WMS, WCS, WFS, ArcGIS Map Server, and ArcGIS Feature Server. 'PostgreSQL' is currently selected. The main panel is titled 'Connections' and contains a dropdown menu showing 'bag@localhost'. Below it are buttons for 'Connect', 'New', 'Edit', 'Remove', 'Load', and 'Save'. A table header row is visible with columns: Schema, Table, Comment, Column, Data Type, Spatial Type, SRID, and Filter. At the bottom, there are checkboxes for 'Also list tables with no geometry' and 'Search options', along with 'Help', 'Add', and 'Set Filter' buttons.

Connections

bag@localhost

Connect New Edit Remove Load Save

Schema	Table	Comment	Column	Data Type	Spatial Type	SRID	Filter
--------	-------	---------	--------	-----------	--------------	------	--------

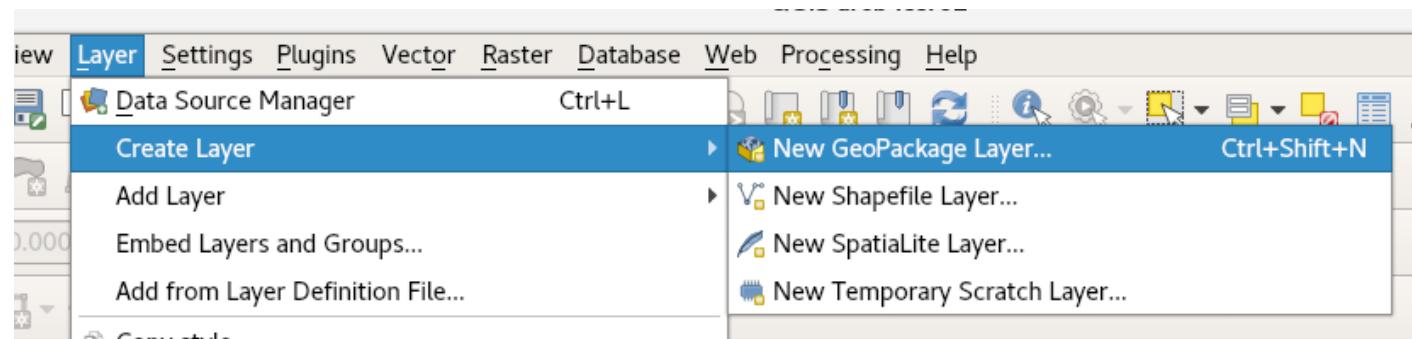
Also list tables with no geometry

Search options

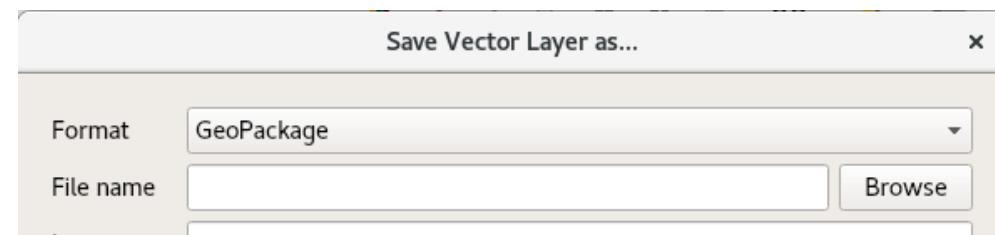
Help Add Set Filter

Geopackage / gpkg = nummer 1

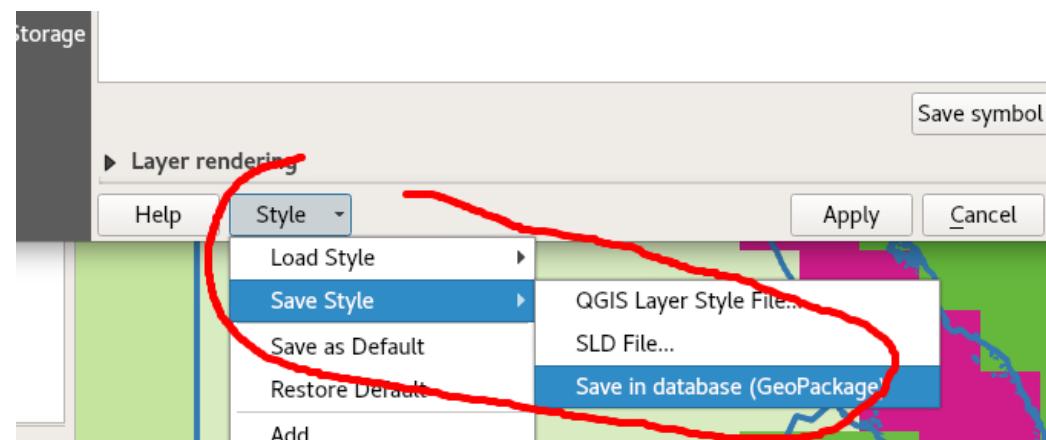
- Laag aanmaken



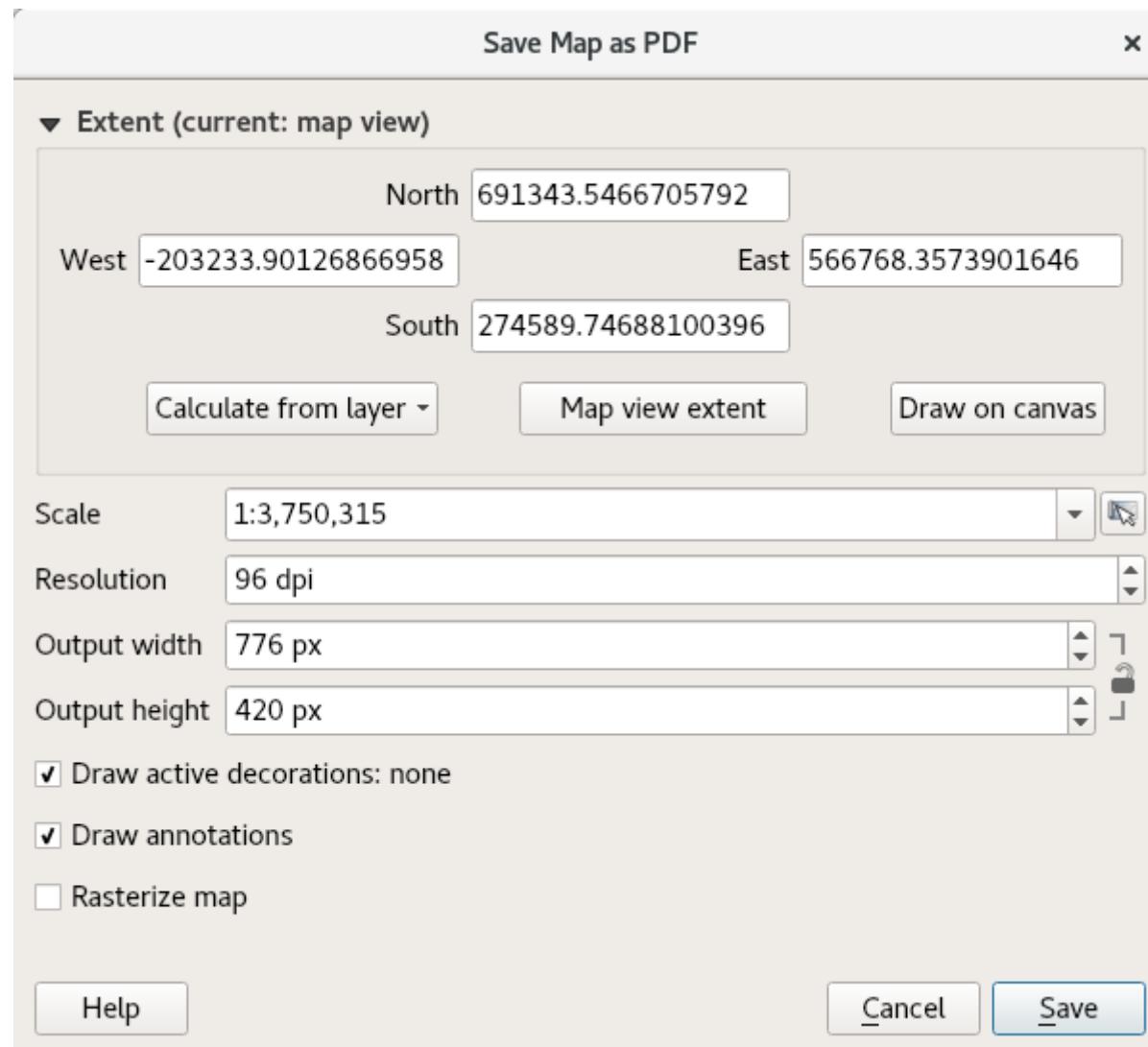
- Laag opslaan



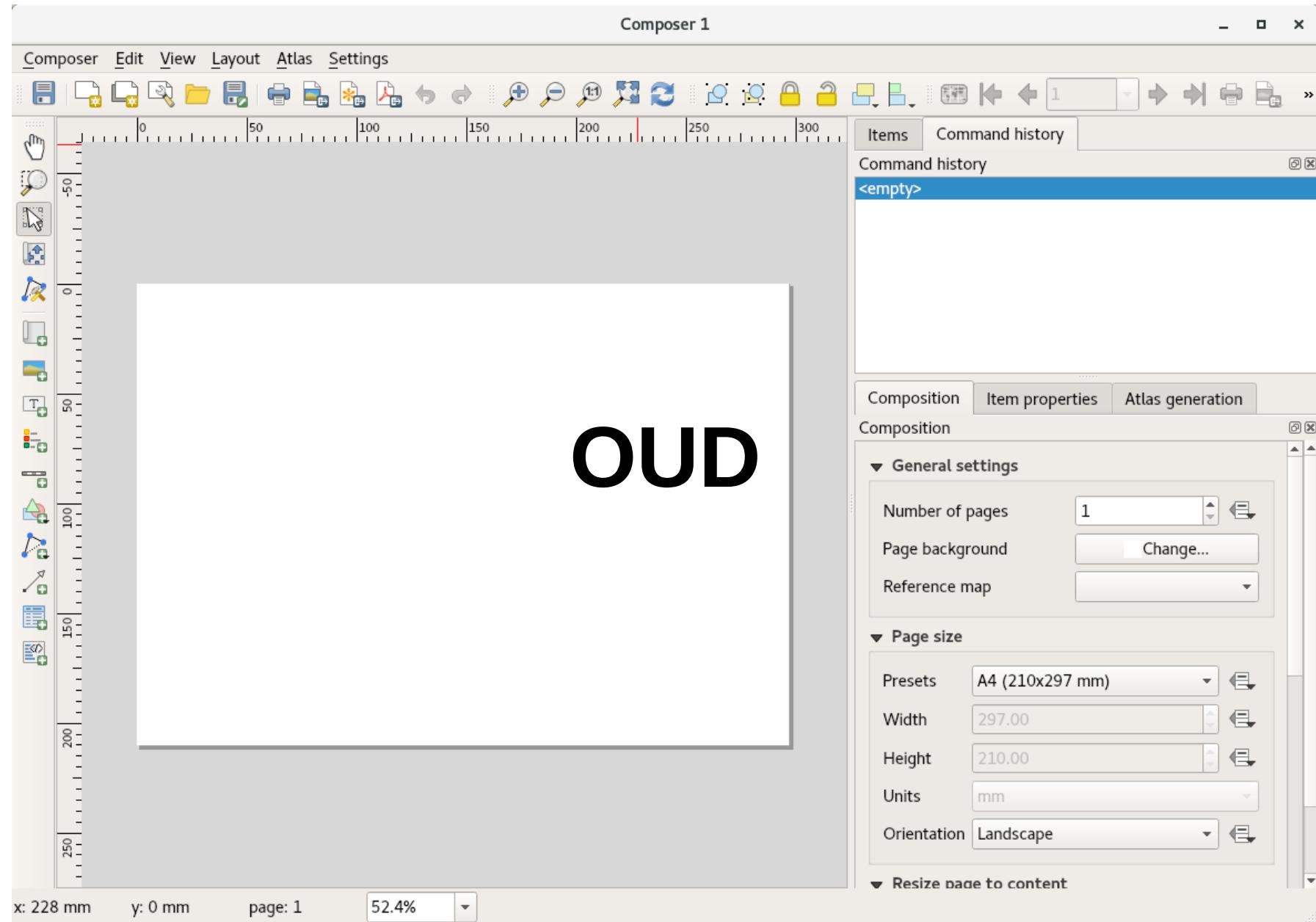
- Stijl opslaan



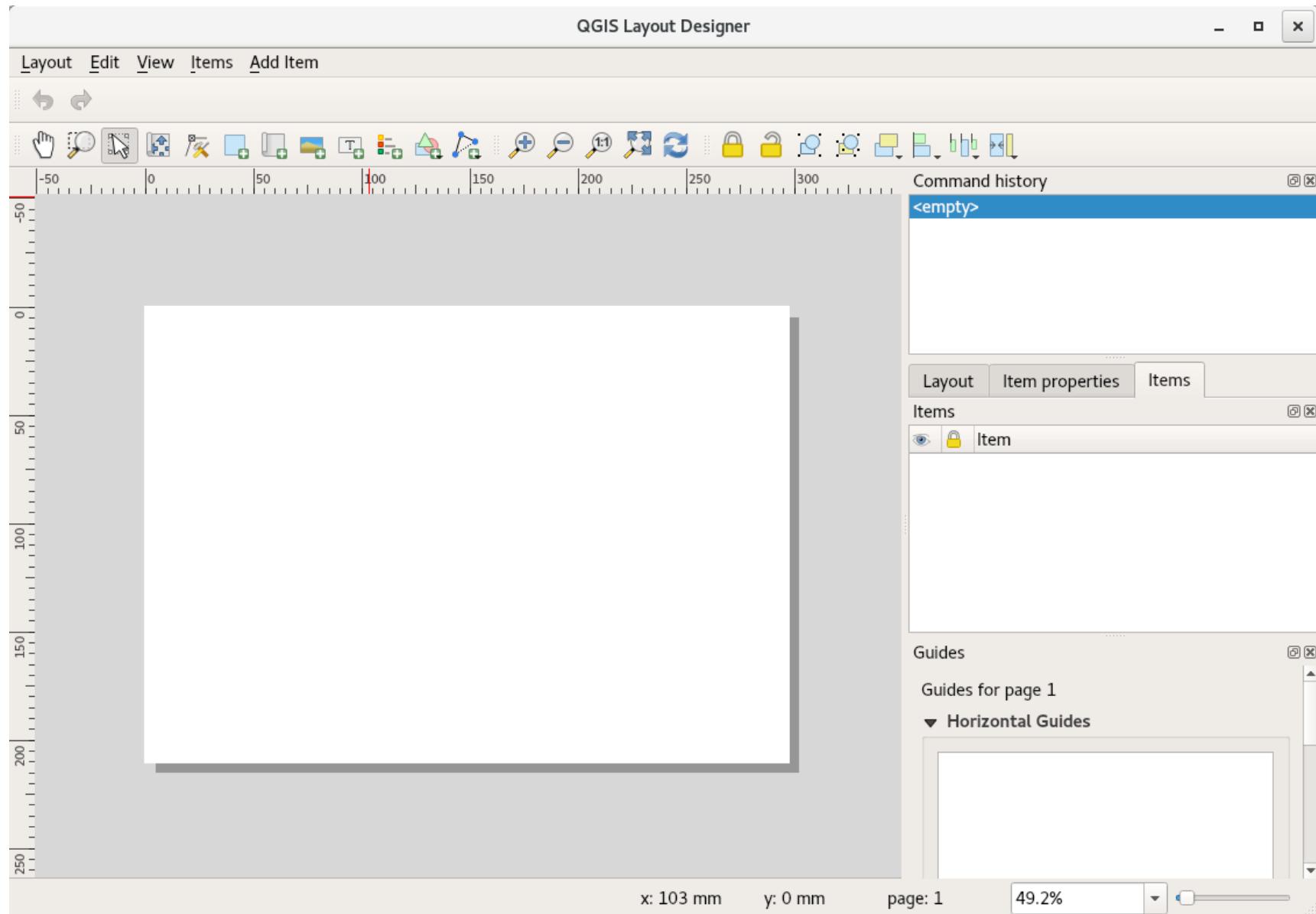
Save Map as Image/PDF



Beurs: Composer

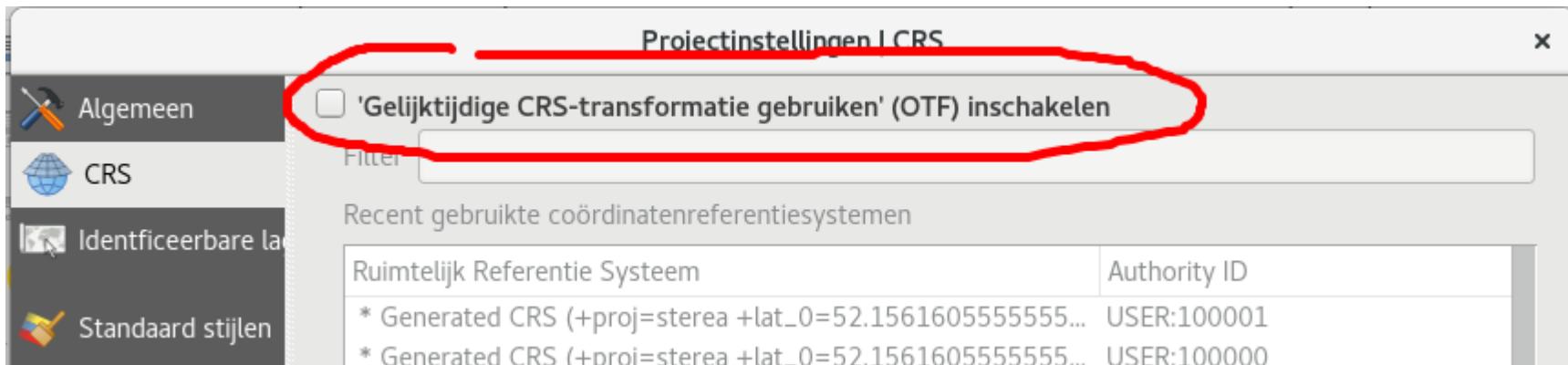


Nieuw



Geen OTF meer

- 2.18 OTF
(On The Fly / Gelijktijdige CRS-transformatie gebruiken)



- 3.0



QGIS Server

- Zelfde ‘engine’
 - OGC-cite tested
 - Multithread rendering
 - Project eigenschappen
 - FastCGI en cgi



Layer Properties - Prov | QGIS Server

-  Information
-  Source
-  Metadata
-  Symbology
-  Labels
-  Source Fields
-  Attributes Form
-  Rendering
-  Display
-  Actions
-  Joins
-  Diagrams
-  Variables
-  Legend
-  Dependencies
-  QGIS Server
-  Auxiliary Storage

Description

Short name	A name used to identify the layer. The short name is a text string used for machine-to-machine communic...
Title	The title is for the benefit of humans to identify layer.
Abstract	
Keyword list	List of keywords separated by comma to help catalog searching.
DataUrl	An URL of the data presentation.
	Format <input type="button" value="▼"/>

Attribution

Title	Attribution's title indicates the provider of the data layer.
Url	Attribution's url gives a link to the webpage of the provider of the data layer.

MetadataUrl

Url	The URL of the metadata document.
Type	<input type="button" value="▼"/>
Format	<input type="button" value="▼"/>

LegendUrl

Url	An URL of the legend image.
	Format <input type="button" value="▼"/>

Test execution report

Disclaimer: all images coming from GeoServer should be valid because we're using a reference implementation for WMS 1.3.0 (see [here](#)). When QGIS supports operations not supported by GeoServer, then there is nothing to compare and this will raise a false failure.

Exhaustive description for WMS 1.3.0 Test Suite: http://cite.opengeospatial.org/teamengine/about/wms/1.3.0/site/wms-1_3_0-ats.html

Metadata

Date: 2017/11/21 00:56

Service: WMS

Version: 1.3.0

Tests: BASIC, QUERYABLE

SHA1: 95cf299099

main:main-auto

Overall result: Passed

Executed tests

1 [data-independent](#) **Passed**

 1.1 [basic elements](#) **Passed**

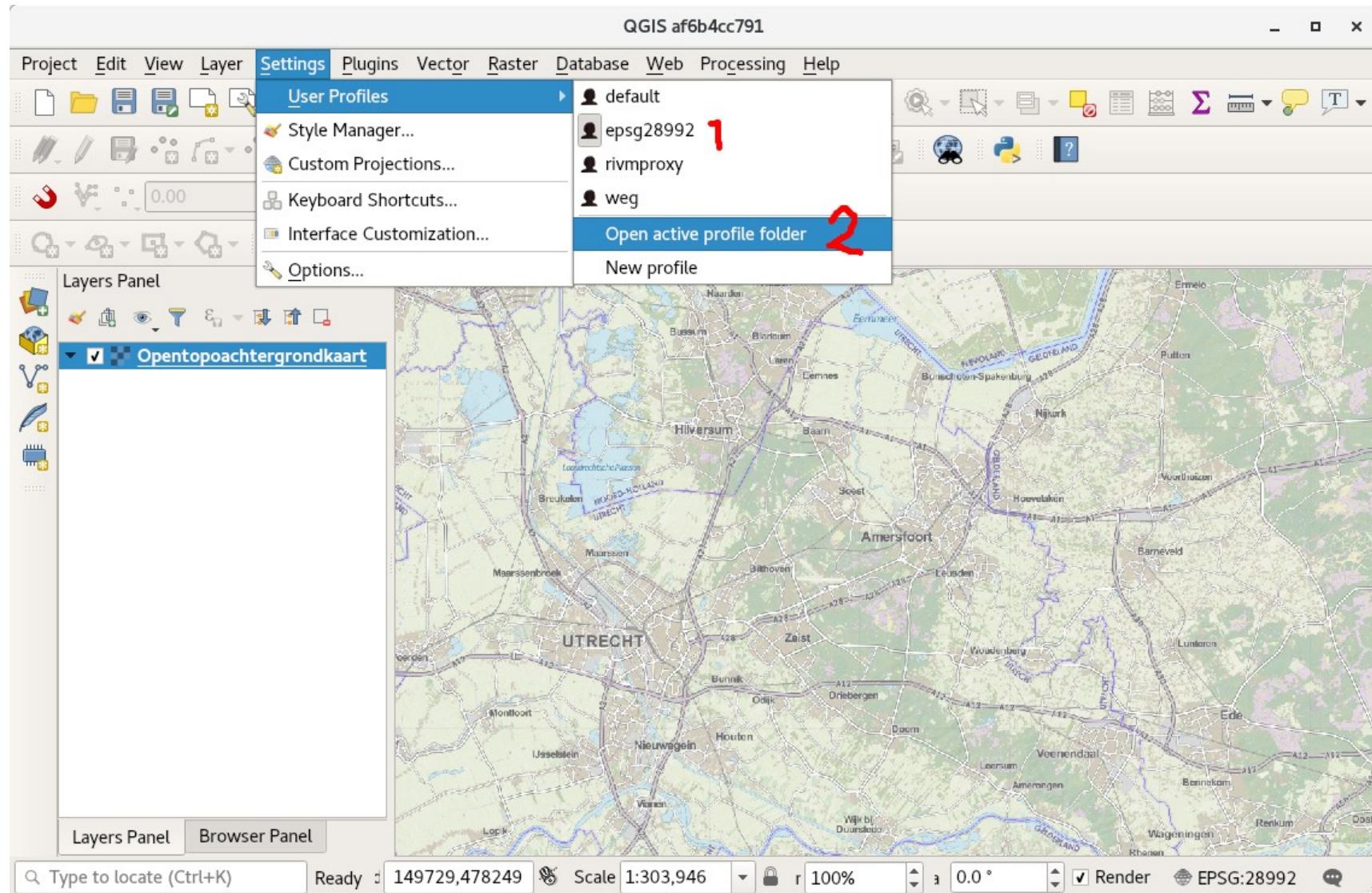
 1.1.1 [version-negotiation](#) **Passed**

 1.1.1.1 [negotiate-no-version](#) **Passed**

 1.1.1.2 [negotiate-basic elements-version](#) **Passed**

 1.1.1.3 [negotiate-higher-version](#) **Passed**

GebruiksProfielen



3D...

Z en M attributen worden bewaard/bewerkt

QGIS 2

QGIS 3

QgsPolygon

QgsPolygonXY

QgsMultiPoint

QgsMultiPointXY

QgsMultiPolyline

QgsMultiPolylineXY

QgsMultiPolygon

QgsMultiPolygonXY

QgsPolygonV2

QgsPolygon

QgsMultiPointV2

QgsMultiPoint

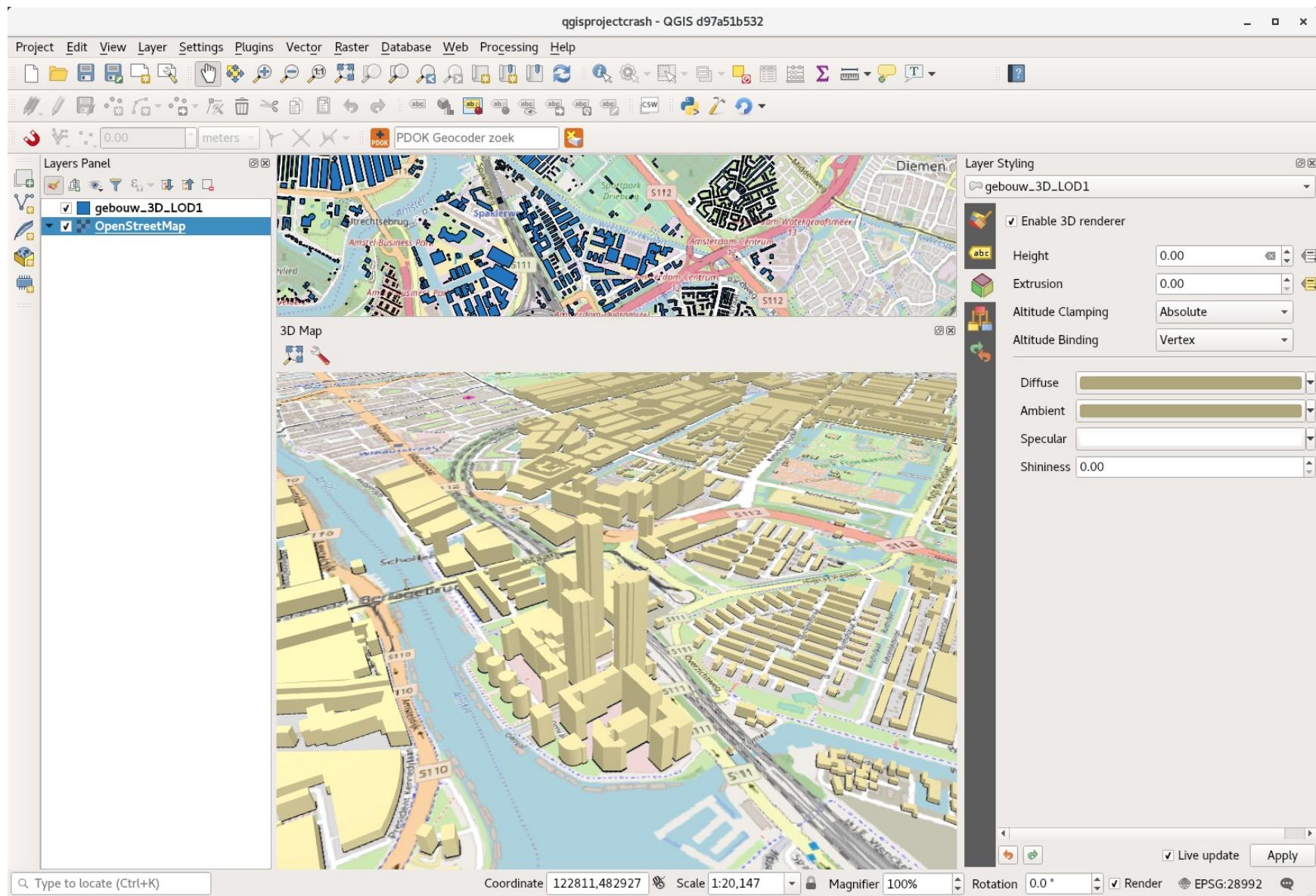
QgsMultiPolylineV2

QgsMultiPolyline

QgsMultiPolygonV2

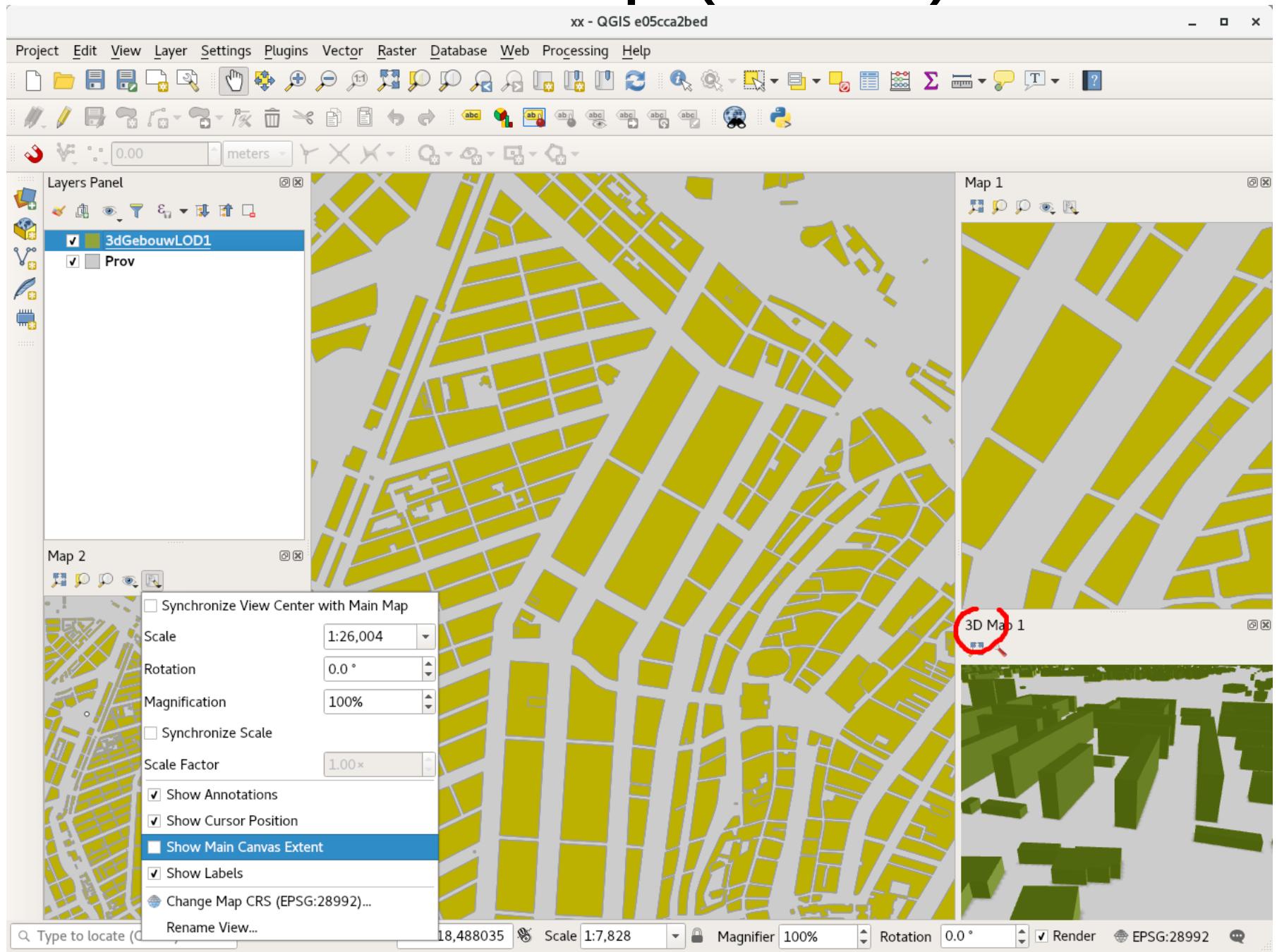
QgsMultiPolygon

3D view / rendering



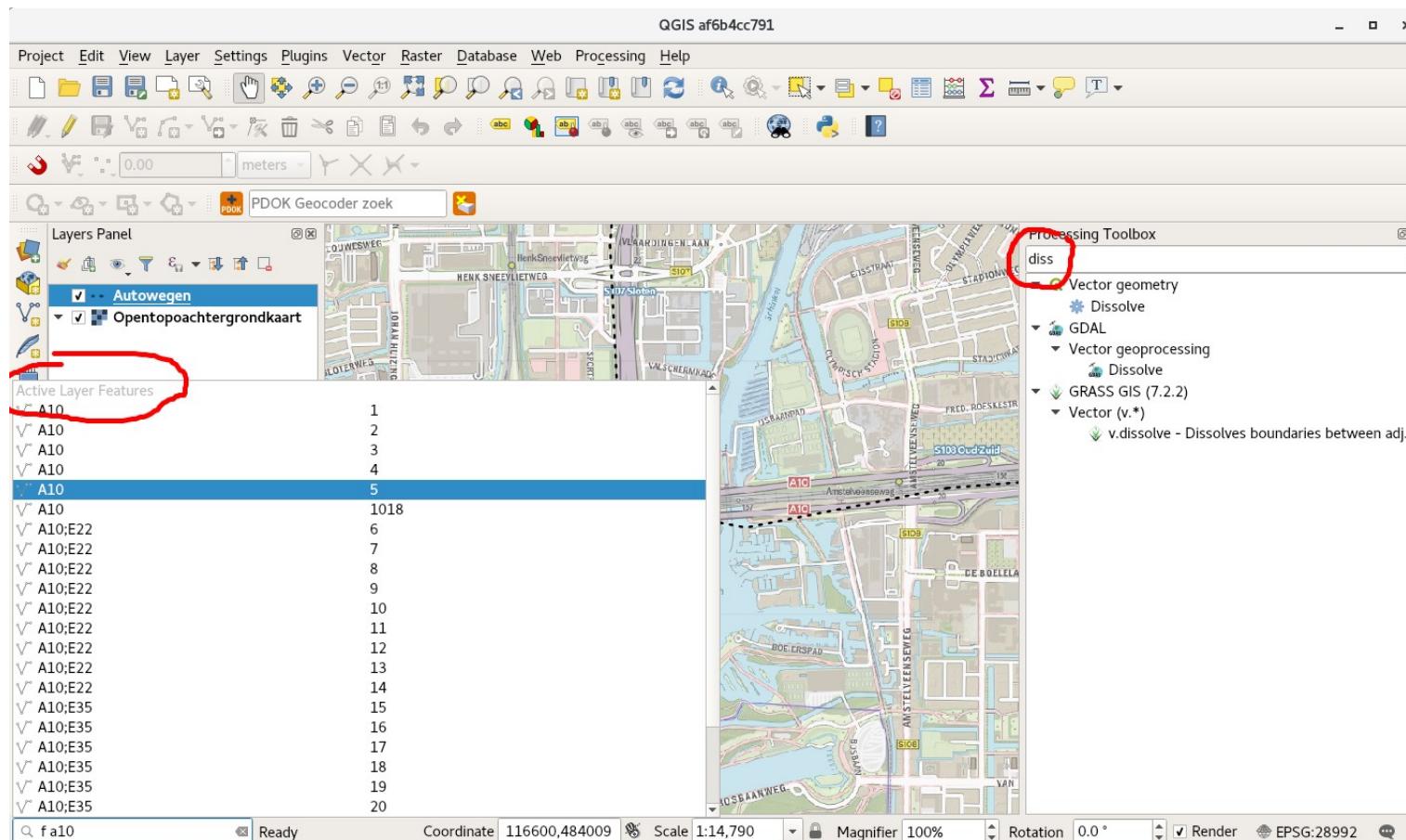


Multi Map (views)



SuperZoek...

- Snelzoek in instellingen, processing en ...
- QgsLocator <= COOL !!!!!!



1

2

Options | Locator

Locator Filters

Filter	Prefix	Enabled	Default
Project Layers	l	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Project Layouts	pl	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Actions	.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Active Layer Features	f	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Processing Algorithms	a	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Nominatim Geocoder (end with space to search)	osm	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PDOK Locatieserver	pdok	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Layers Panel

Autowegen

Opentopoachtergrondkaart

Help

Cancel

OK

Nominatim Geocoder (end with space to search)

- Ha, Haa Dzongkhag, Haa District, Bhutan (town)
- Haa District, Bhutan (administrative)
- Hallein, Salzburg, Austria (administrative)
- Hamadan Province, Iran (administrative)
- Harare, Zimbabwe (administrative)
- Harari Region, Ethiopia (administrative)
- Hardap Region, Namibia (administrative)
- Has, Kukës County, Albania (administrative)
- Plémet, Le Ha, Saint-Brieuc, Côtes-d'Armor, Brit...
- 哈拉, Haa Dzongkhag, Haa District, Bhutan (peak)

PDOK Locatieserver

- Gemeente Haaksbergen (gemeente)
- Gemeente Haaren (gemeente)
- Gemeente Haarlem (gemeente)
- Gemeente Haarlemmermeer (gemeente)
- Gemeente Halderberge (gemeente)
- Gemeente Hardenberg (gemeente)
- Gemeente Harderwijk (gemeente)
- Gemeente Haren (gemeente)
- Gemeente Harlingen (gemeente)
- Gemeente Hattem (gemeente)

Coordinate 117086,4842

riouwstr 23, haarlem

Ready

Coordinate 116757,484044

Ready

Coordinate 116757,484044

Scale 1:14,790

Cartografische en GUI verfijningen

- Opacity vs Transparency
- Scale vs Scale-Denominator
- Sizes in pixels en mm
- Nieuwe symbolen en groeperingen
- Expressies nog verder doorgevoerd

WFS beter (eigenlijk gdal...) SLD beter (→ Geoserver)

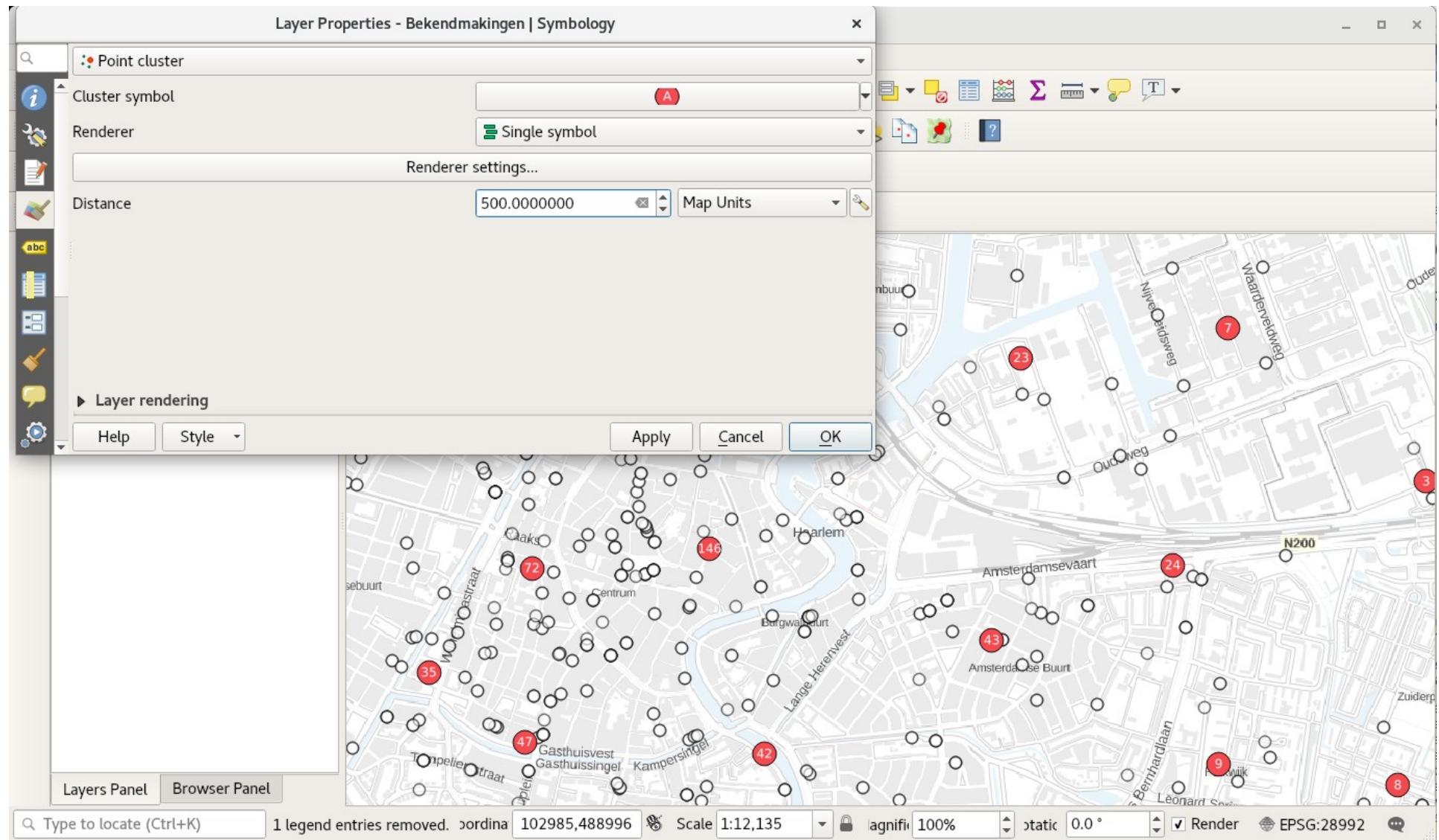
- sponsoring en aktieve rol gebruikers !

OpenGeoGroep heeft vorig jaar verschillende FOSS projecten gesponsord:

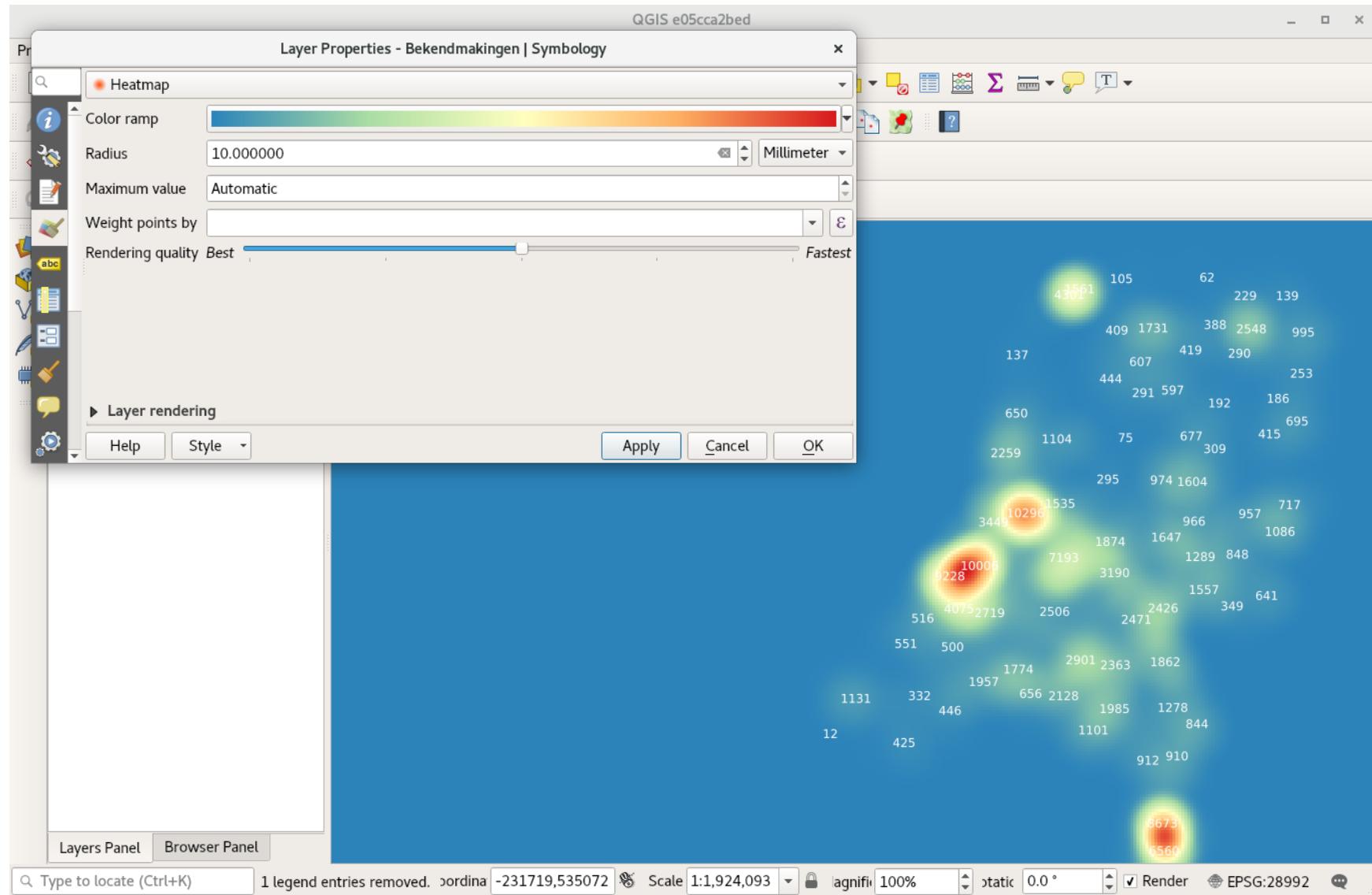
- Andrea Aime (GeoSolutions) voor SLD werk
- Even Rouault (Spatialys) voor GDAL werk
- OpenStreetMap project
- QGIS bronze sponsor
- Wikipedia project



Point cluster renderer



Heatmap + Point cluster renderer



Layer Properties - Bekendmakingen | Symbology

Point displacement

Center symbol: Single symbol

Renderer settings... Distance: 3.000000 Millimeter Placement method: Ring

Displacement rings: Stroke width: 0.40 mm, Stroke color: Gray, Size adjustment: 0.00 mm

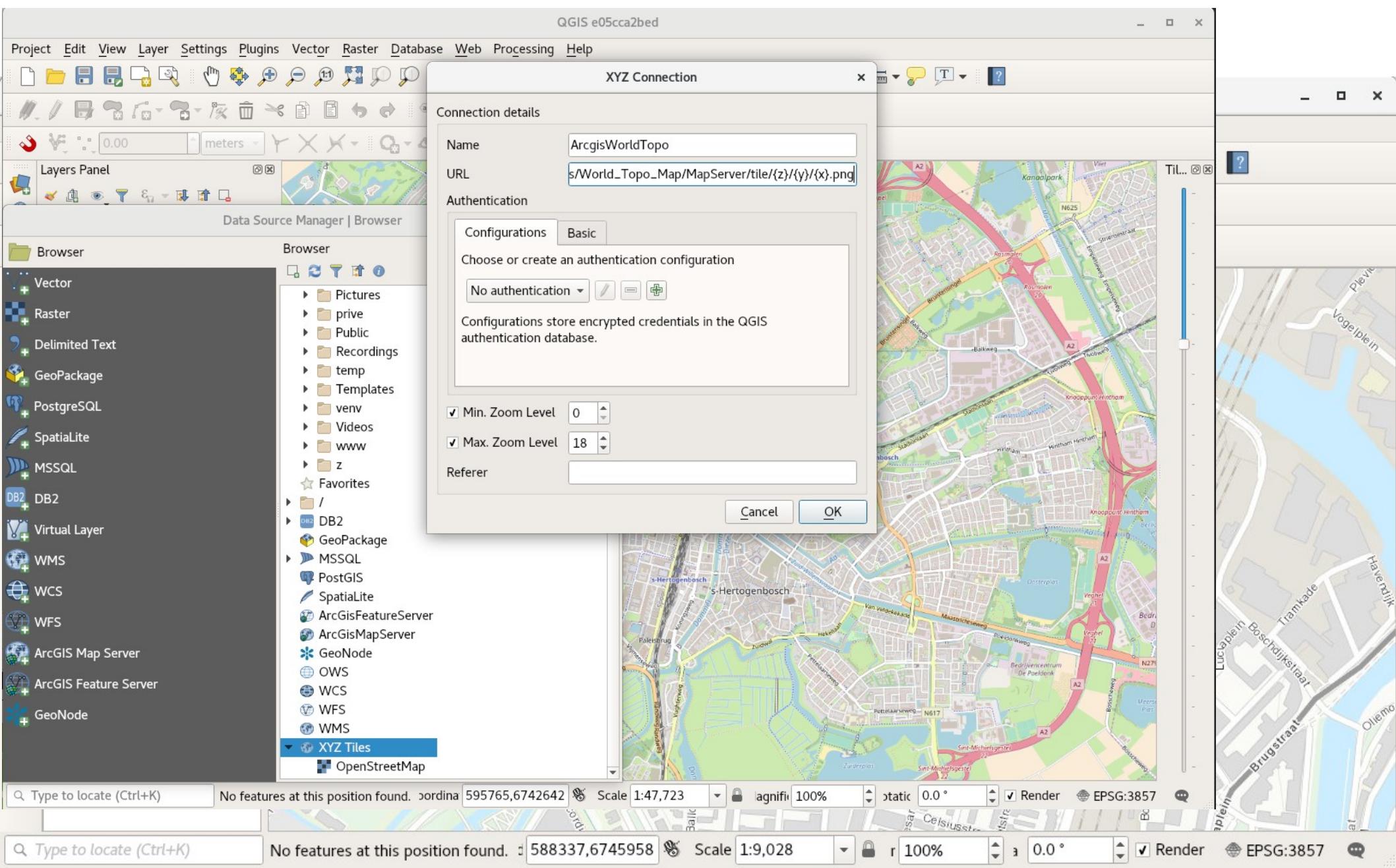
Help Style Apply Cancel OK

Layers Panel Browser Panel

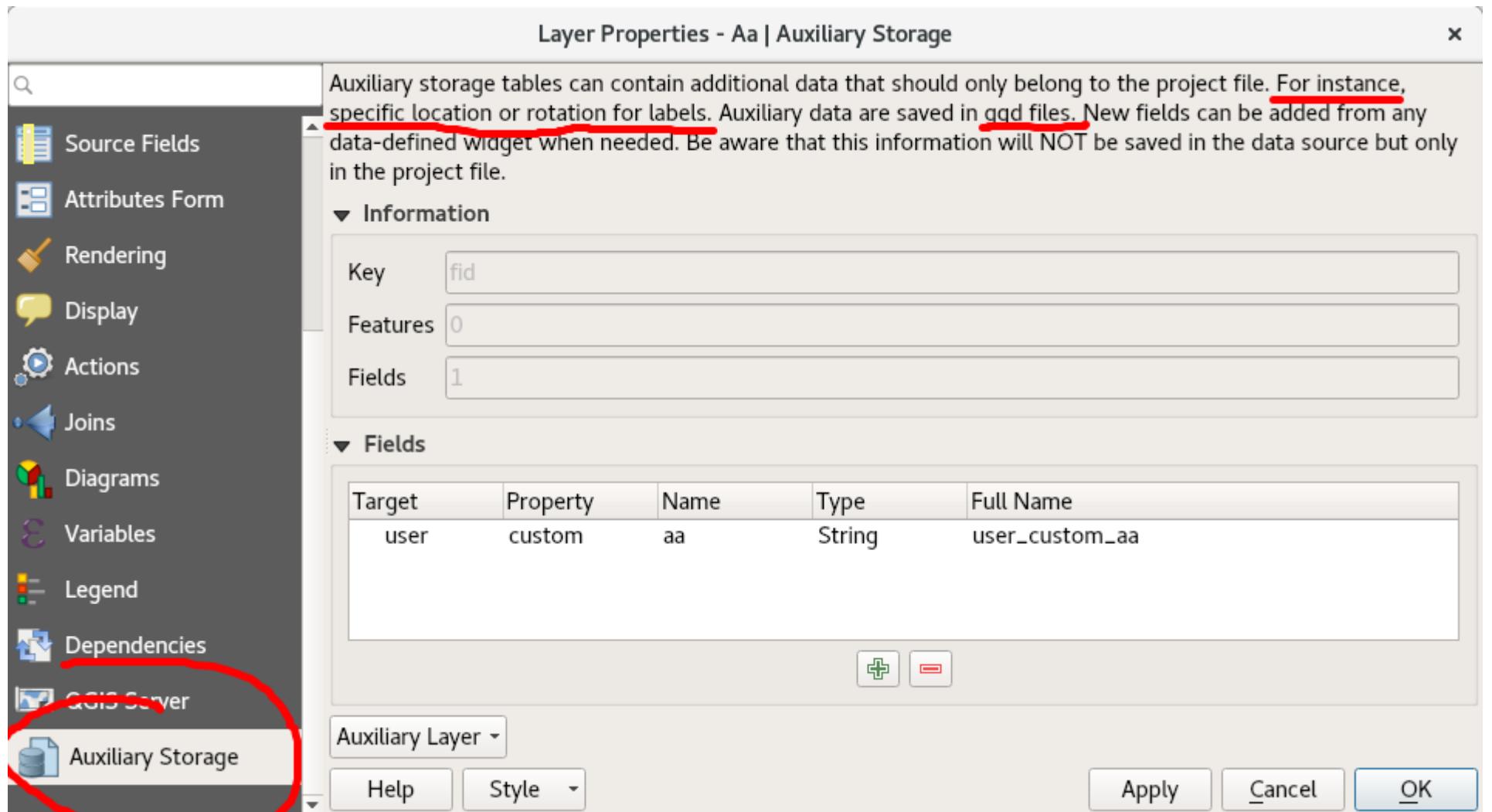
Type to locate (Ctrl+K) Coordinates: 181317,579565 Scale: 1:12,699 Magnifie: 100% Rotation: 0.0 ° Render EPSG:28992

The screenshot displays the QGIS interface with the 'Layer Properties' dialog open for a layer named 'Bekendmakingen'. The 'Symbology' tab is active. In the 'Point displacement' section, a red dot icon is shown for the 'Center symbol', and a grey circle icon is shown for the 'Ring' displacement method. The 'Distance' is set to 3.000000 Millimeter. Under 'Displacement rings', the 'Stroke width' is set to 0.40 mm, the 'Stroke color' is gray, and 'Size adjustment' is 0.00 mm. At the bottom of the dialog are 'Help', 'Style', 'Apply', 'Cancel', and 'OK' buttons. The main map view shows a street network with many red point features, each accompanied by a small gray ring, demonstrating the displacement effect. The bottom of the screen shows the QGIS toolbar with various icons and the coordinate bar at the bottom.

XYZ layers



QEP 20 'auxilary storage'



Meedoen?

Deel !!!!
..

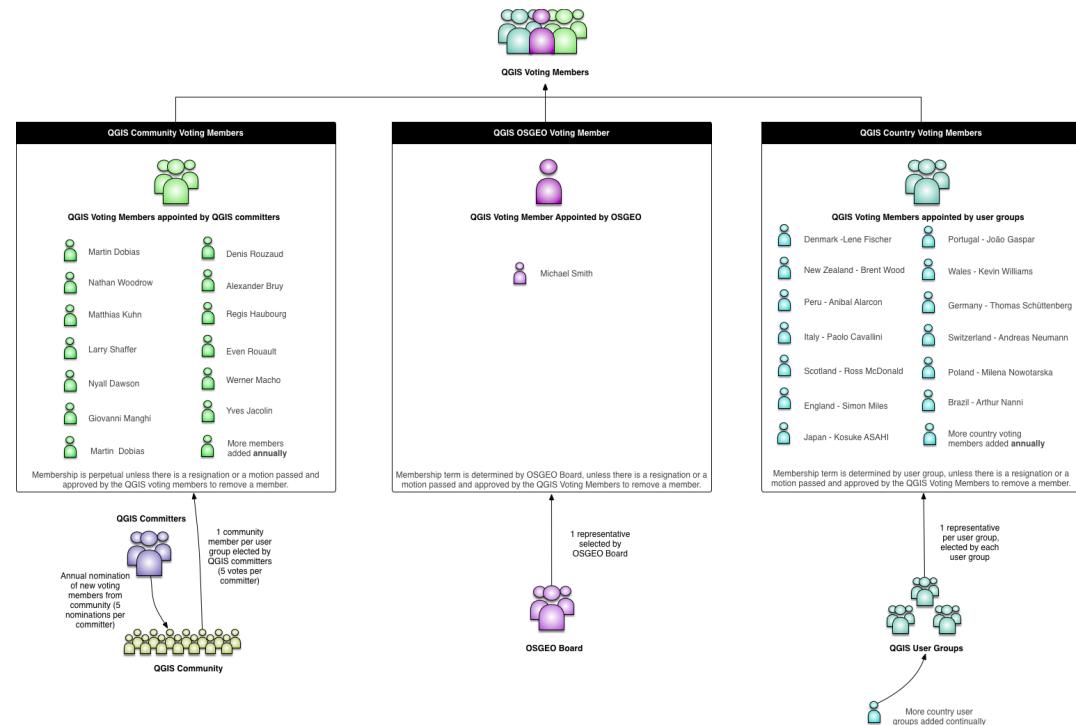
Kennis, Kunde, Ontwikkelaars, Creativiteit, Geld,
Fondsen, Ideeen, Positiviteit, Tijd, Antwoorden....

Tips..

- QGIS kan features copy/pasten als Geojson
- Maak een default project aan voor je gebruikers
- “QGIS GML Application Schema Toolbox” plugin
- Grass import/export om data topologisch te fixen
- <https://gitter.im/qgis/QGIS>

QGIS Association

- QGIS Association / Swiss Verein
- Annual General Meeting (AGM) / Virtuele ALV
- Meritocratie/Do-ocracy => Democratie
- Kiezende leden: devs, OSGeo, Nationale gebruikersgroepen



QGIS 3 preview

- <http://qgis.org/downloads/weekly/?C=M;O=D>
- <http://qgis.org/en/site/forusers/alldownloads.html#qgis-windows-weekly>
- PROBEER UIT VOOR DE RELEASE !!!!!!!!

Vragen ?

- <http://qgis.org>
- <http://blog.qgis.org>
- <http://docs.qgis.org>
- <http://issues.qgis.org>
- Mailinglijsten
- IRC, <http://gitter.im/qgis>
- <https://gis.stackexchange.com/?tags=qgis>

Bedankt

Happy QGIS'sing

