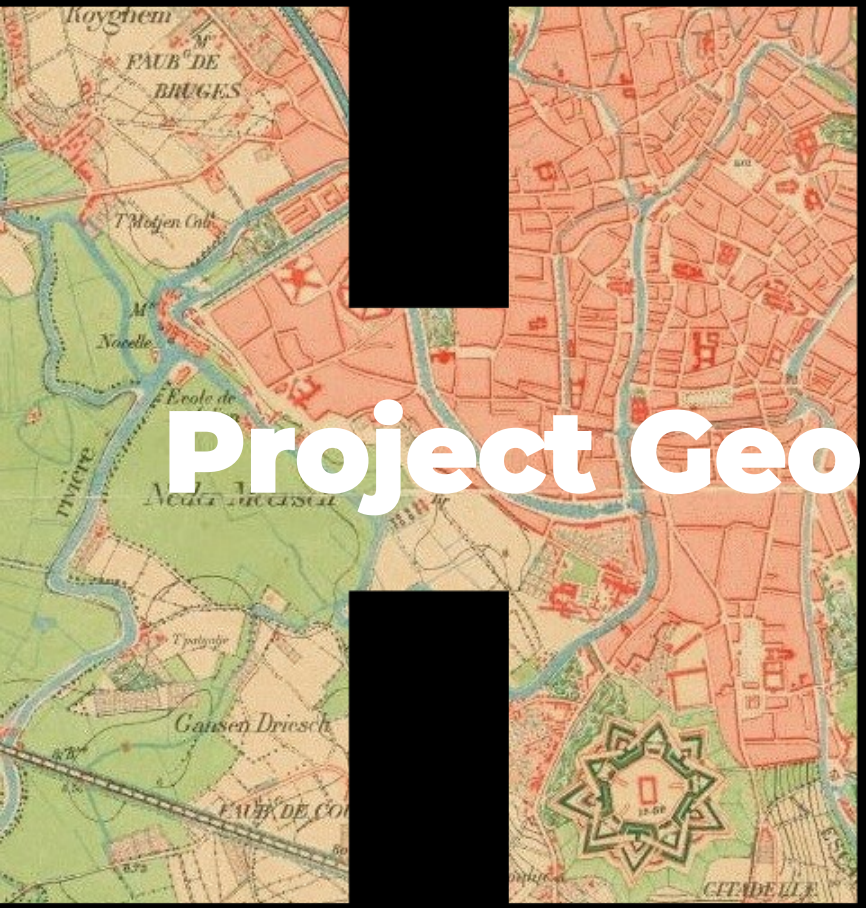


Project GeoICT

2021-2022

HO GENT

Herhaling QGIS

Project GeoICT

HO
GENT

Zelfstudie

Herhaling QGIS

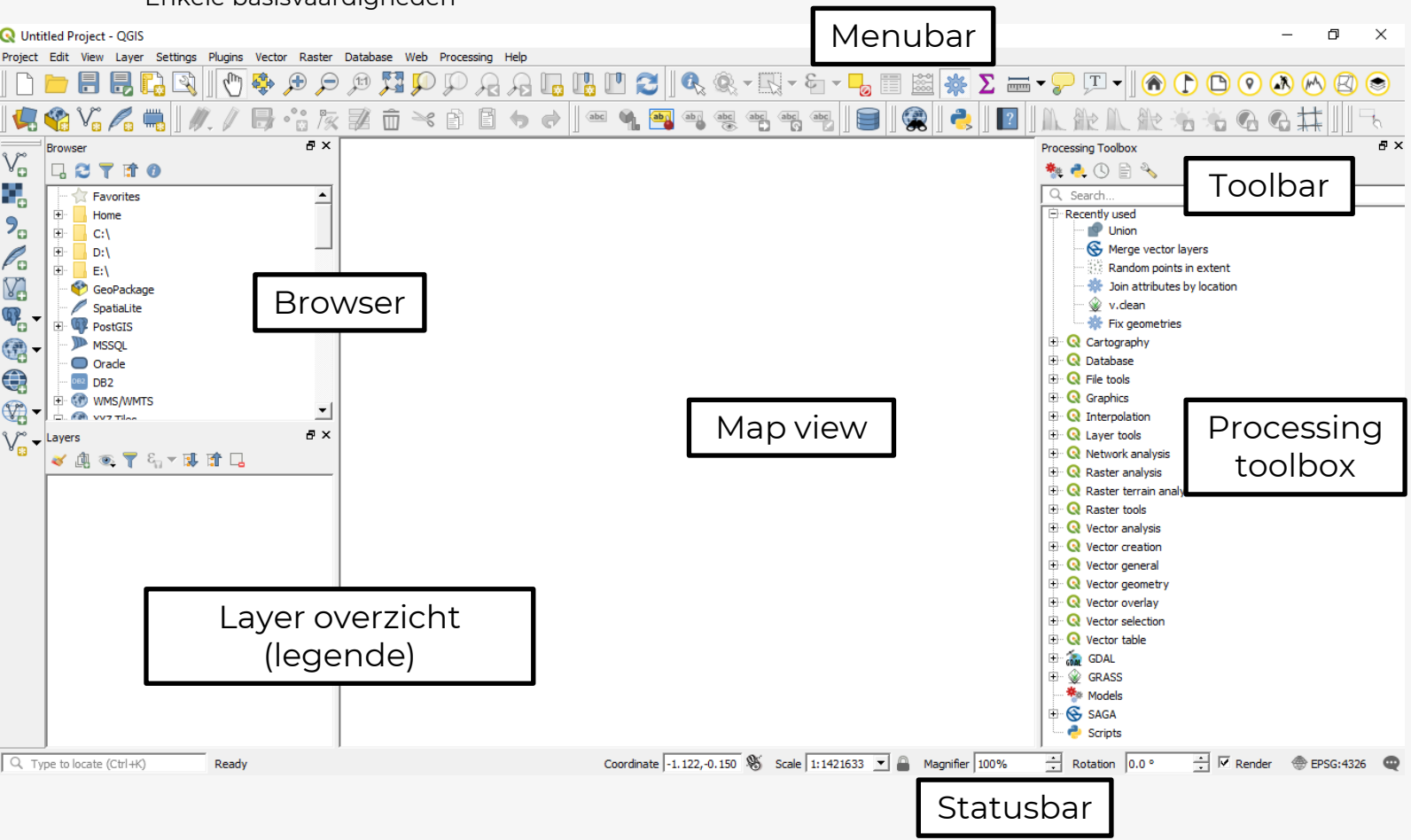
HO
GENT

QGIS: 3.x voor deze opleiding!

- Gratis en open-source GIS platform voor desktop toepassingen
- Basisfunctionaliteit aan te vullen met plugins
- Updates volgen elkaar snel op
- Ondersteunt veel dataformaten

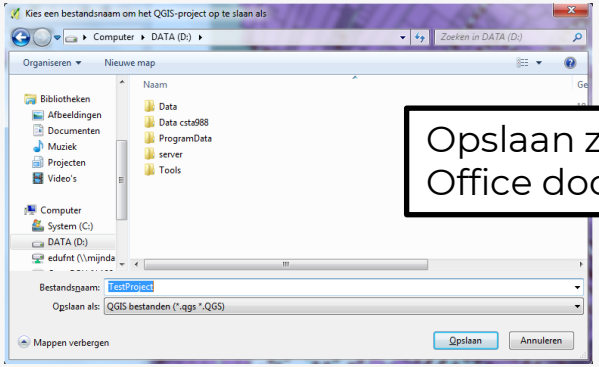
HO GENT

Enkele basisvaardigheden



HO GENT

Werken met projecten:
- New
- Open
- Save
- Save as…



Opslaan zoals MS Office document

Qgs: geen data, maar referenties naar data, CRS, styles, …

```
74        </filegroup>
75      </legendlayer>
76    </legend>
77    <projectlayers>
78      <maplayer simplifyAlgorithm="0" minimumScale="0" maximumScale="1e+08" simplifyDrawir
79        <id>Adp43018201701161644 7237</id>
80        <datasource>D:/Data csta988/Projecten/GeoICT/S1/GRB_Zelzate/Shapefile/Adp43018.shp
81        <keywordList>
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96        </srs>
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98        <previewExpression></previewExpression>
99        <vectorjoins/>
100       <layerDependencies/>
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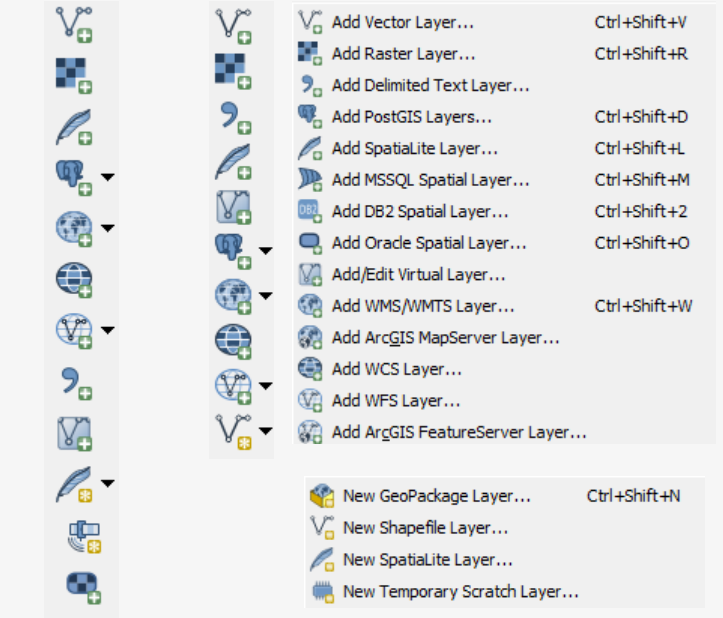
HO GENT

Toolbar:
Toevoegen en verwijderen van panels en toolbars

HO GENT

Enkele basisvaardigheden



2.x

3.x

Data toevoegen:
- Vector data (shp, gml, ...)
- Raster data (tif, grd, ...)
- Text separated file (csv, txt, ...)
- SpatiaLite
- SQL database (postgis, ...)
- WMS(T)
- WCS
- WMS
- Virtual layer
- Oracle Raster
- ...

Nieuwe laag maken:
- SpatialLite
- Shapefile
- ...

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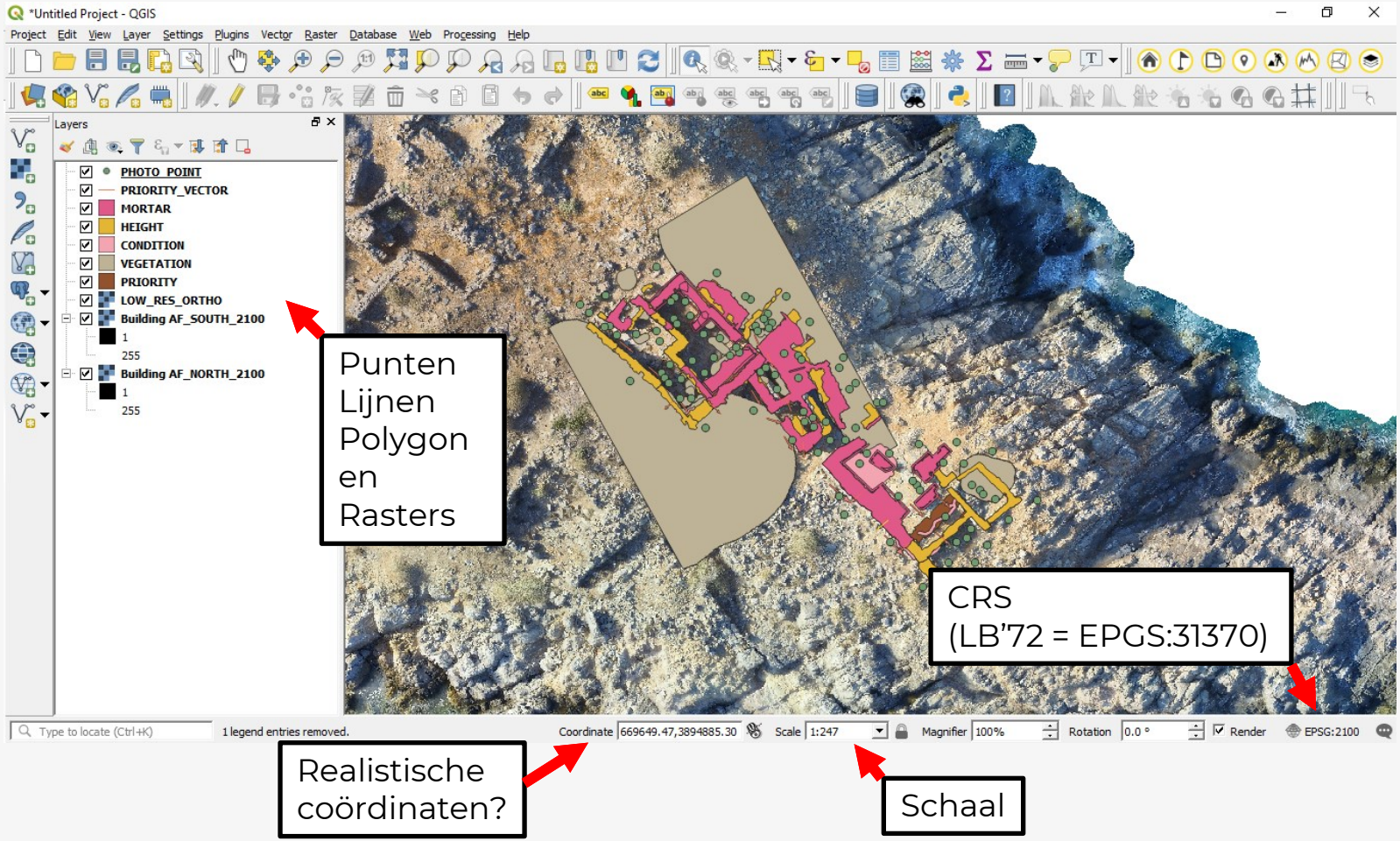
Demo met enkele datasets

Gelieve de volgende datasets op te zoeken:

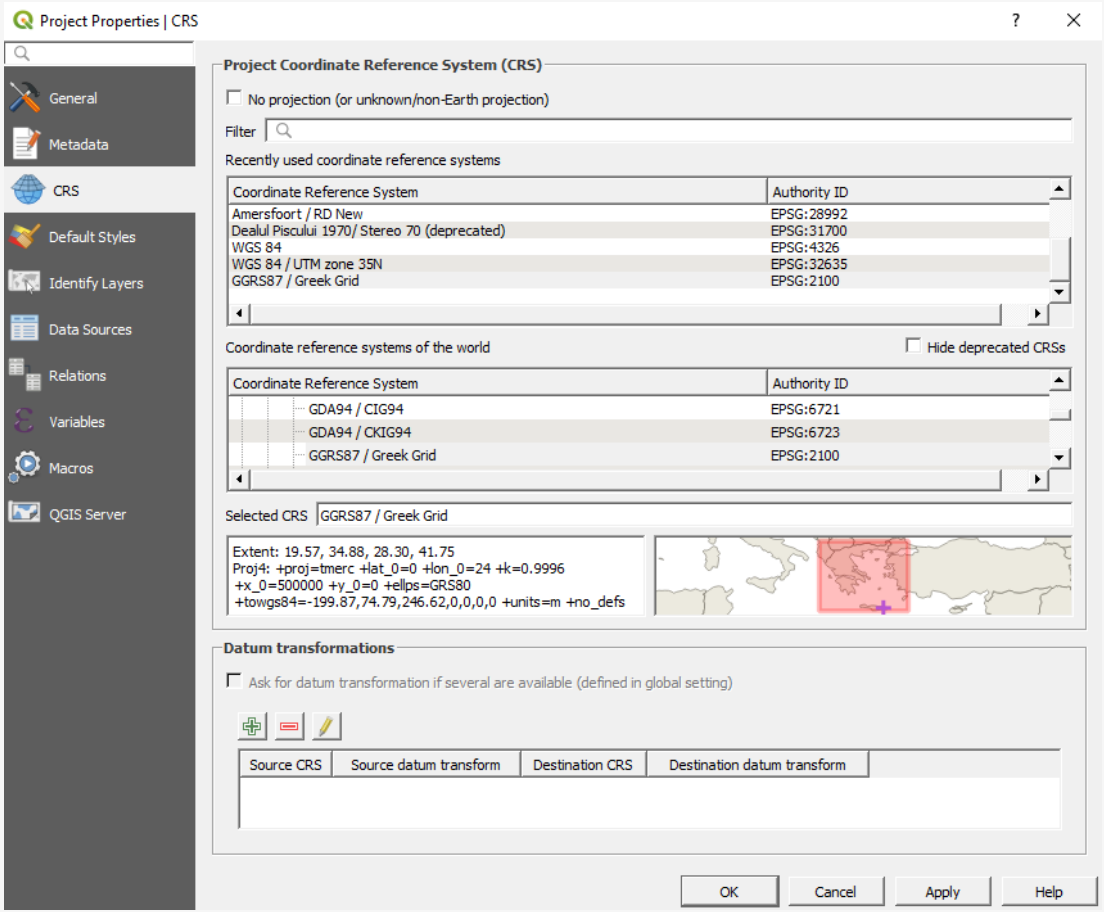
- Shapefile (polygoon): referentiebestand gemeentegrenzen
- WMS: Grootschalig referentiebestand (GRB)
- WFS: Grootschalig referentiebestand (GRB):
  - Administratieve percelen (ADP)
  - Wegverbindingen (WVB)
- WCS: Digitaal hoogtemodel Vlaanderen-II (DHMV-II)
- XYZ-tiles:
  - Google Maps
  - Google Satellite
  - Topografische kaarten NGI

HO GENT

Enkele basisvaardigheden

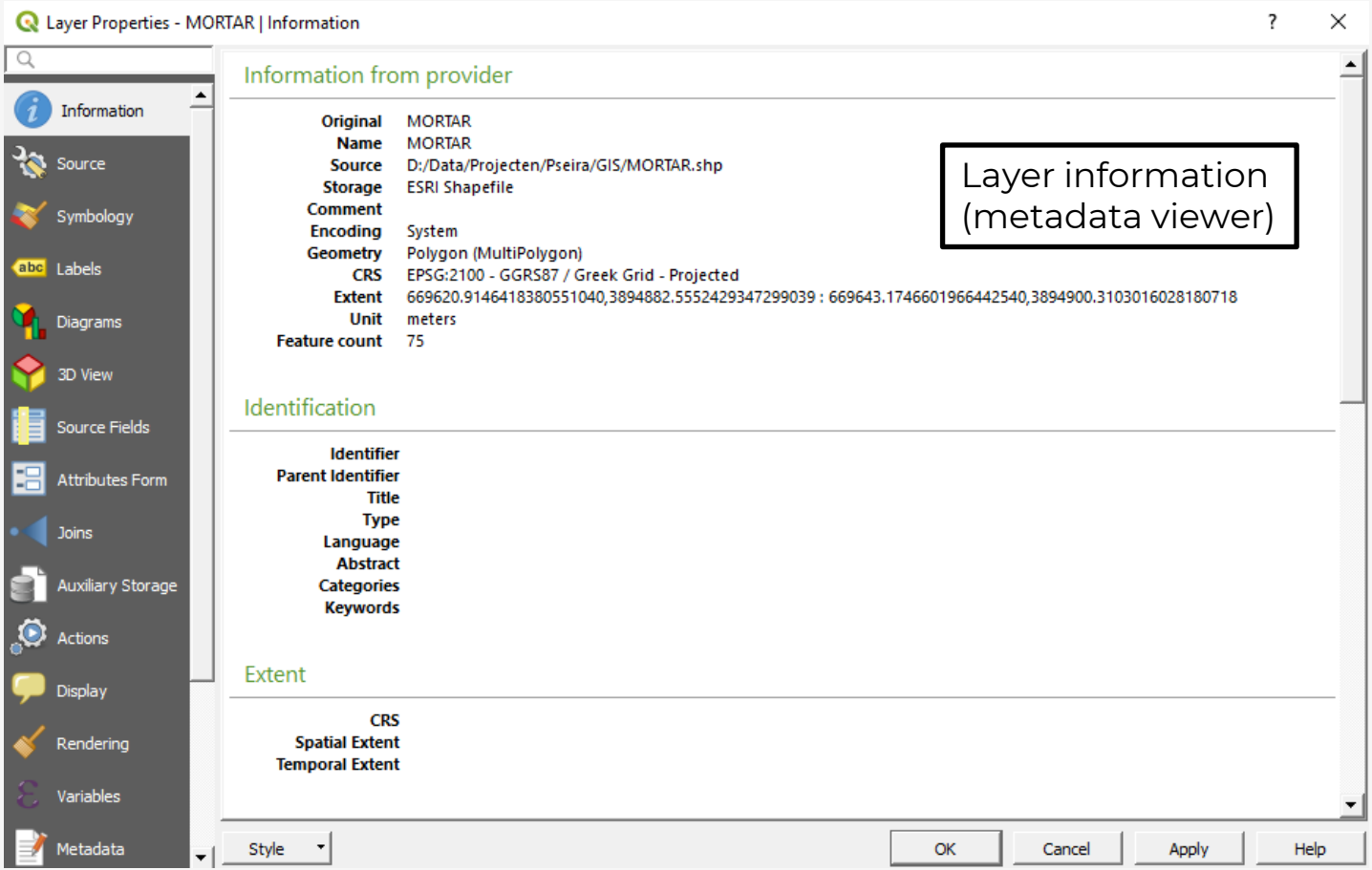


HO GENT



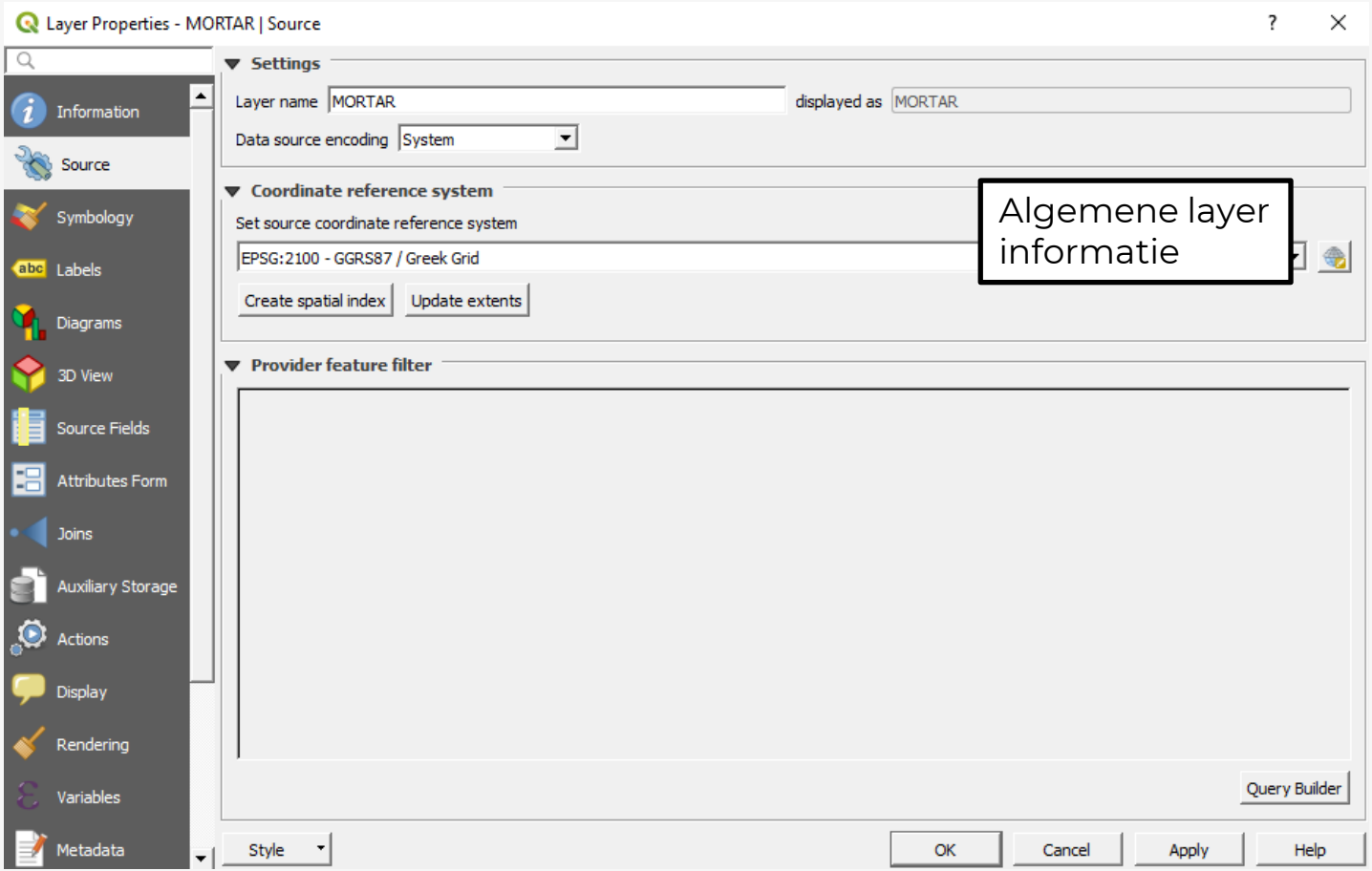
CRS vereist gemeenschappelijk CRS aanbevolen (niet altijd mogelijk)

HO GENT



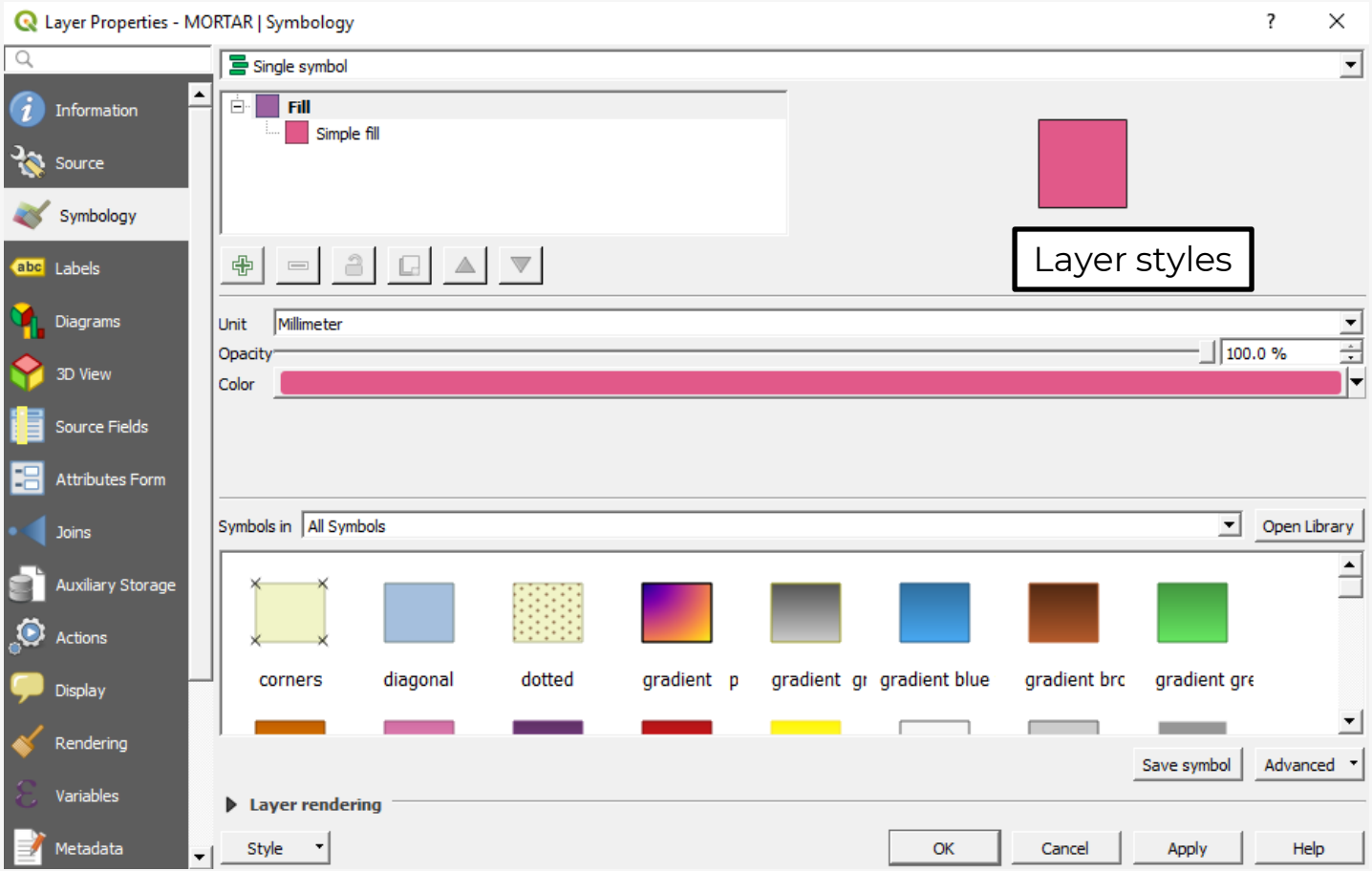
Layer information (metadata viewer)

HO GENT


Layer Properties - MORTAR | Source
Information
Source
Symbology
Labels
Diagrams
3D View
Source Fields
Attributes Form
Joins
Auxiliary Storage
Actions
Display
Rendering
Variables
Metadata
Settings
Layer name
MORTAR
displayed as
MORTAR
Data source encoding
System
Coordinate reference system
Set source coordinate reference system
EPSG:2100 - GGRS87 / Greek Grid
Create spatial index
Update extents
Provider feature filter
Query Builder
Style
OK
Cancel
Apply
Help
Algemene layer informatie

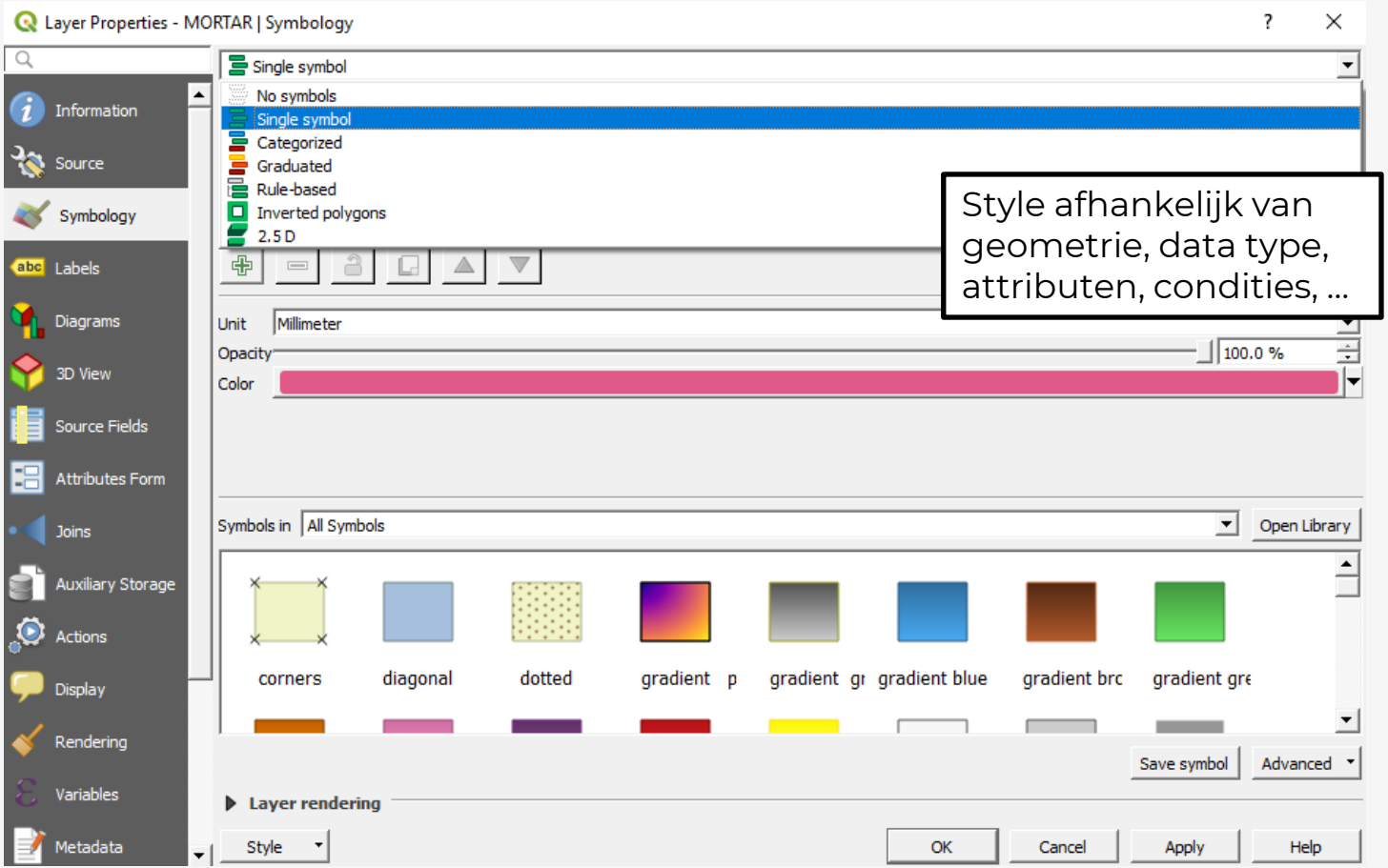
HO GENT

Enkele basisvaardigheden

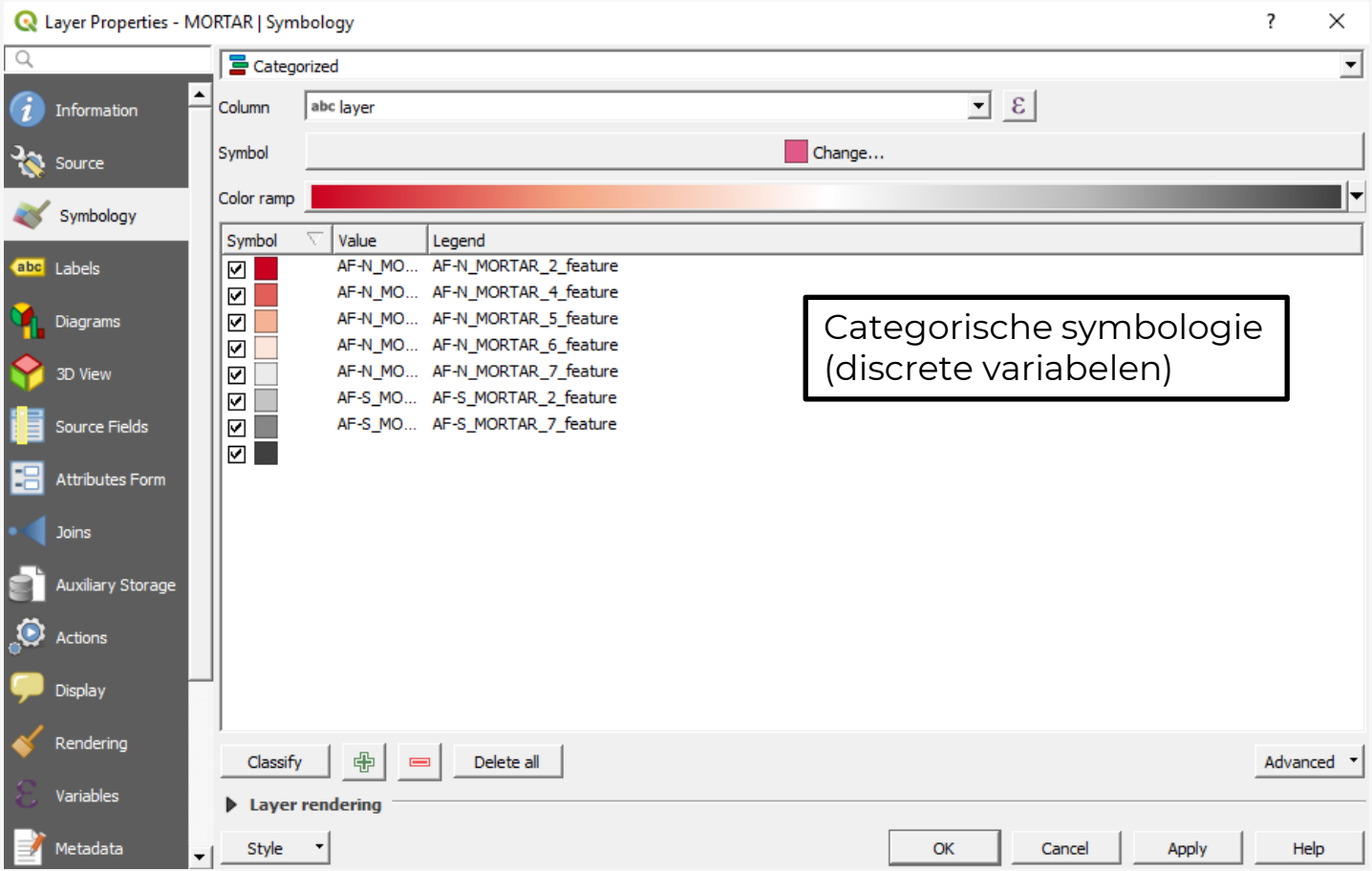


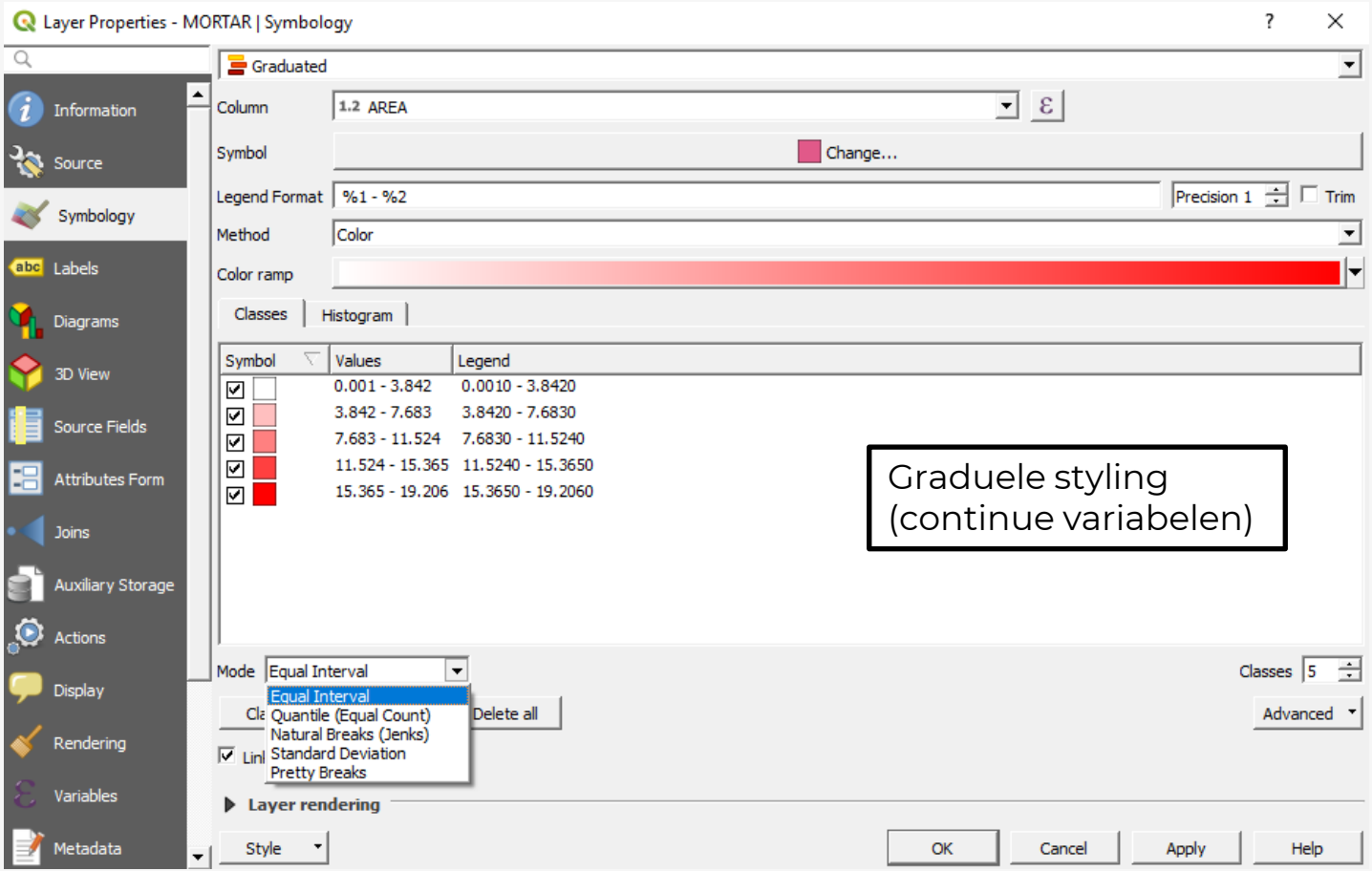
HO GENT

Enkele basisvaardigheden



HO GENT

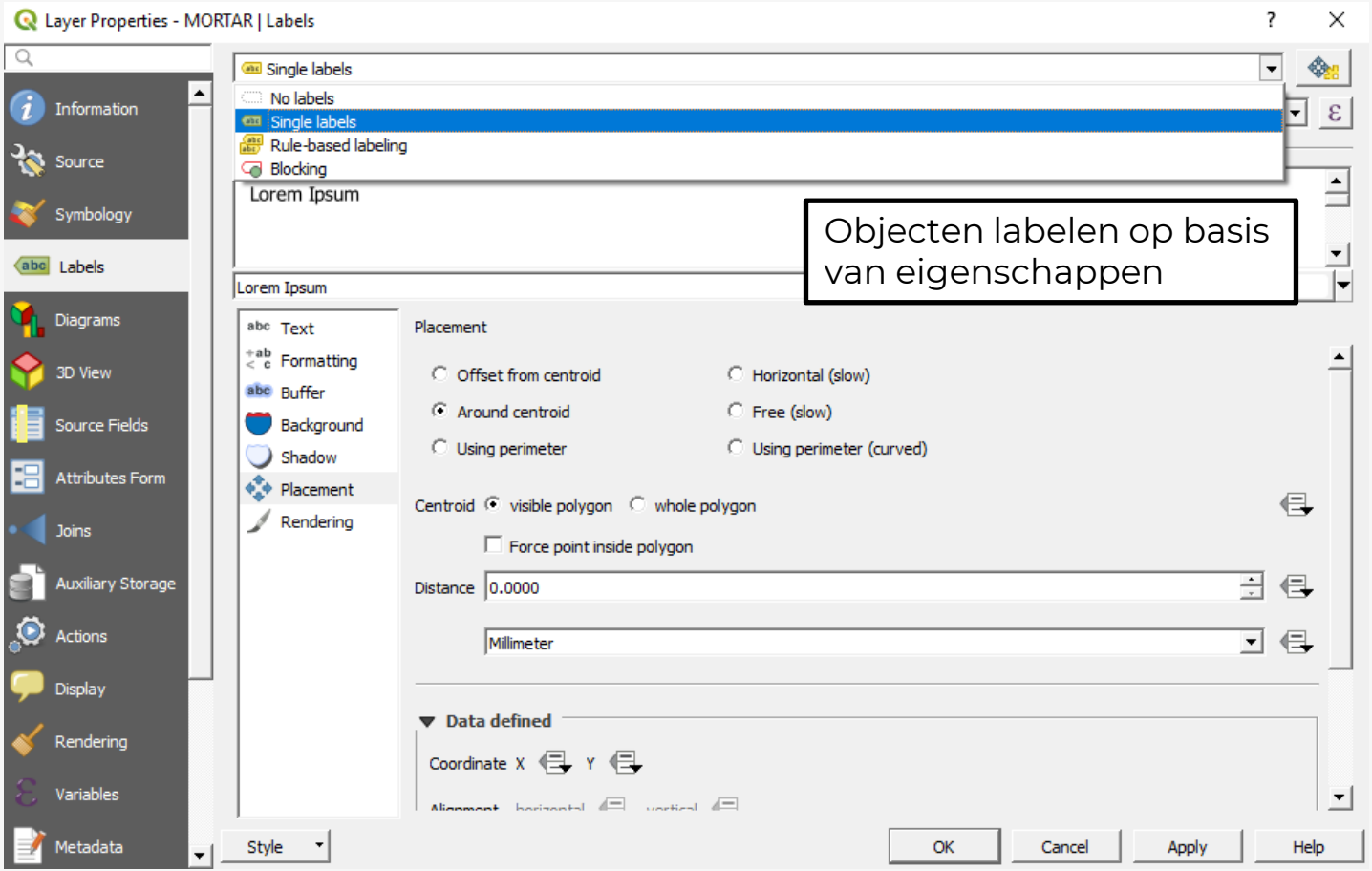

Layer Properties - MORTAR | Symbology
Information
Source
Symbology
Labels
Diagrams
3D View
Source Fields
Attributes Form
Joins
Auxiliary Storage
Actions
Display
Rendering
Variables
Metadata
Categorized
Column
abc layer
Symbol
Change...
Color ramp
Symbol
Value
Legend
AF-N_MO... AF-N_MORTAR_2_feature
AF-N_MO... AF-N_MORTAR_4_feature
AF-N_MO... AF-N_MORTAR_5_feature
AF-N_MO... AF-N_MORTAR_6_feature
AF-N_MO... AF-N_MORTAR_7_feature
AF-S_MO... AF-S_MORTAR_2_feature
AF-S_MO... AF-S_MORTAR_7_feature
Categorische symbologie (discrete variabelen)
Classify
Delete all
Advanced
Layer rendering
Style
OK
Cancel
Apply
Help



Graduele styling
(continue variabelen)

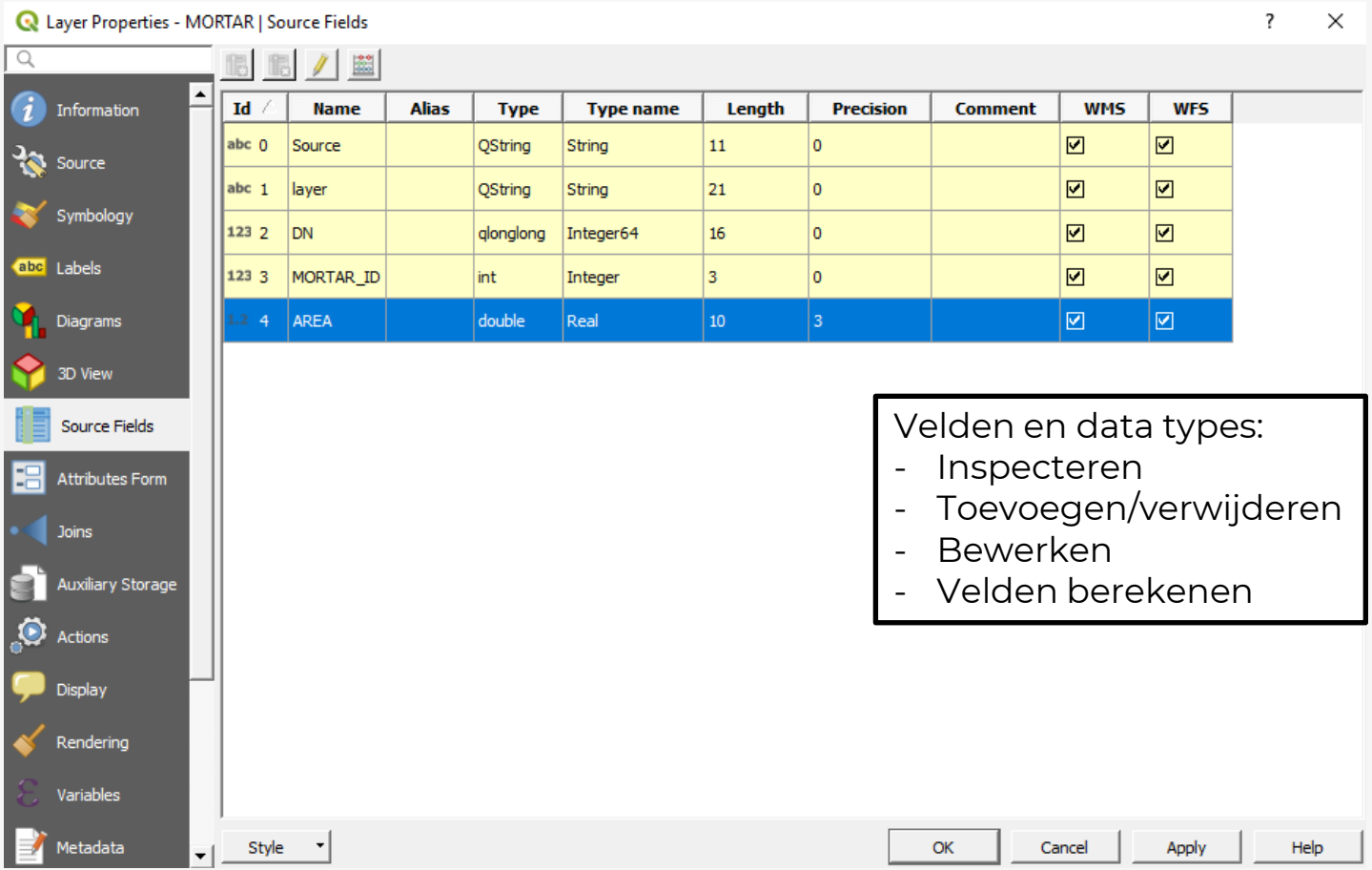
HO
GENT

Enkele basisvaardigheden



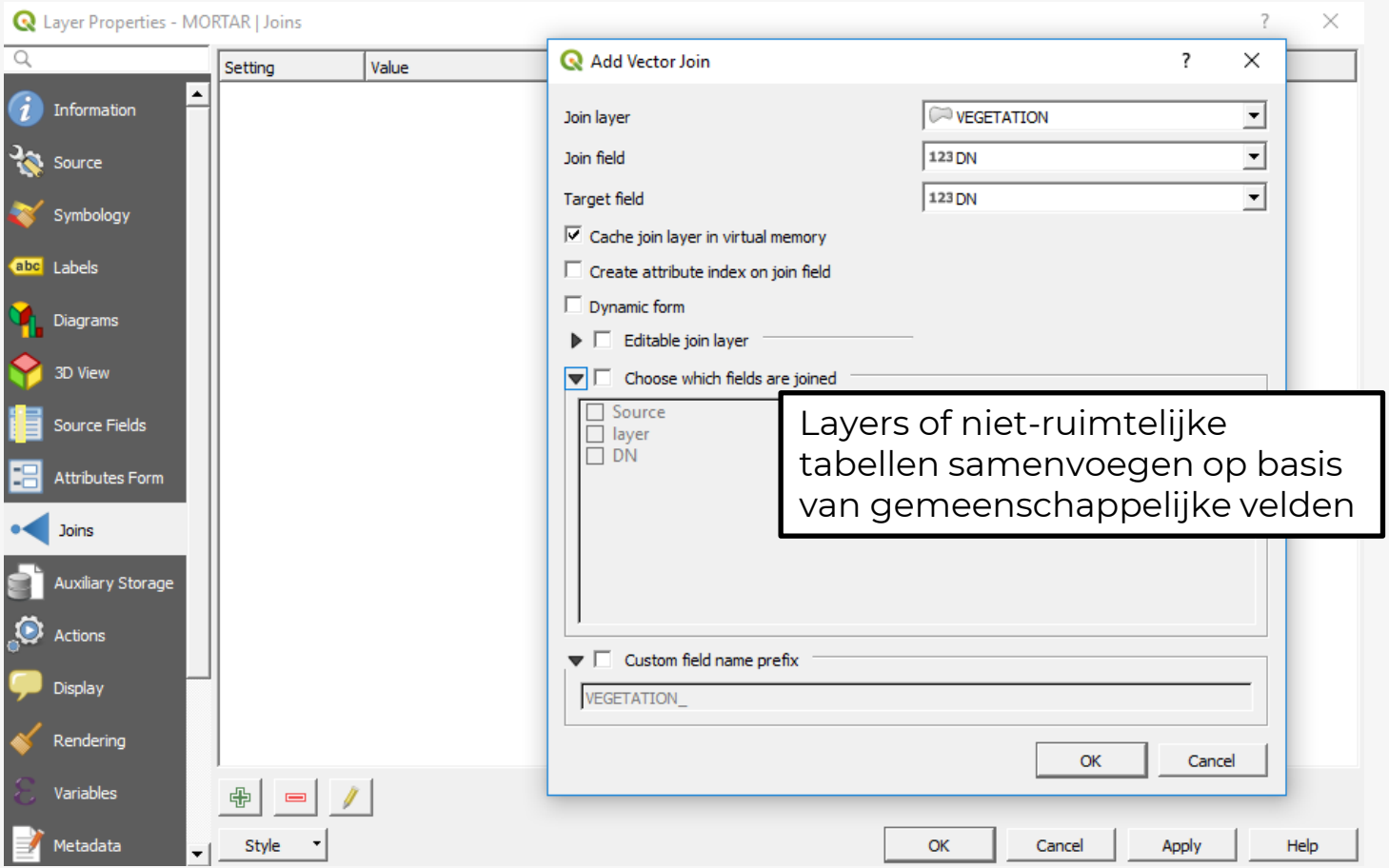
HO GENT

Enkele basisvaardigheden

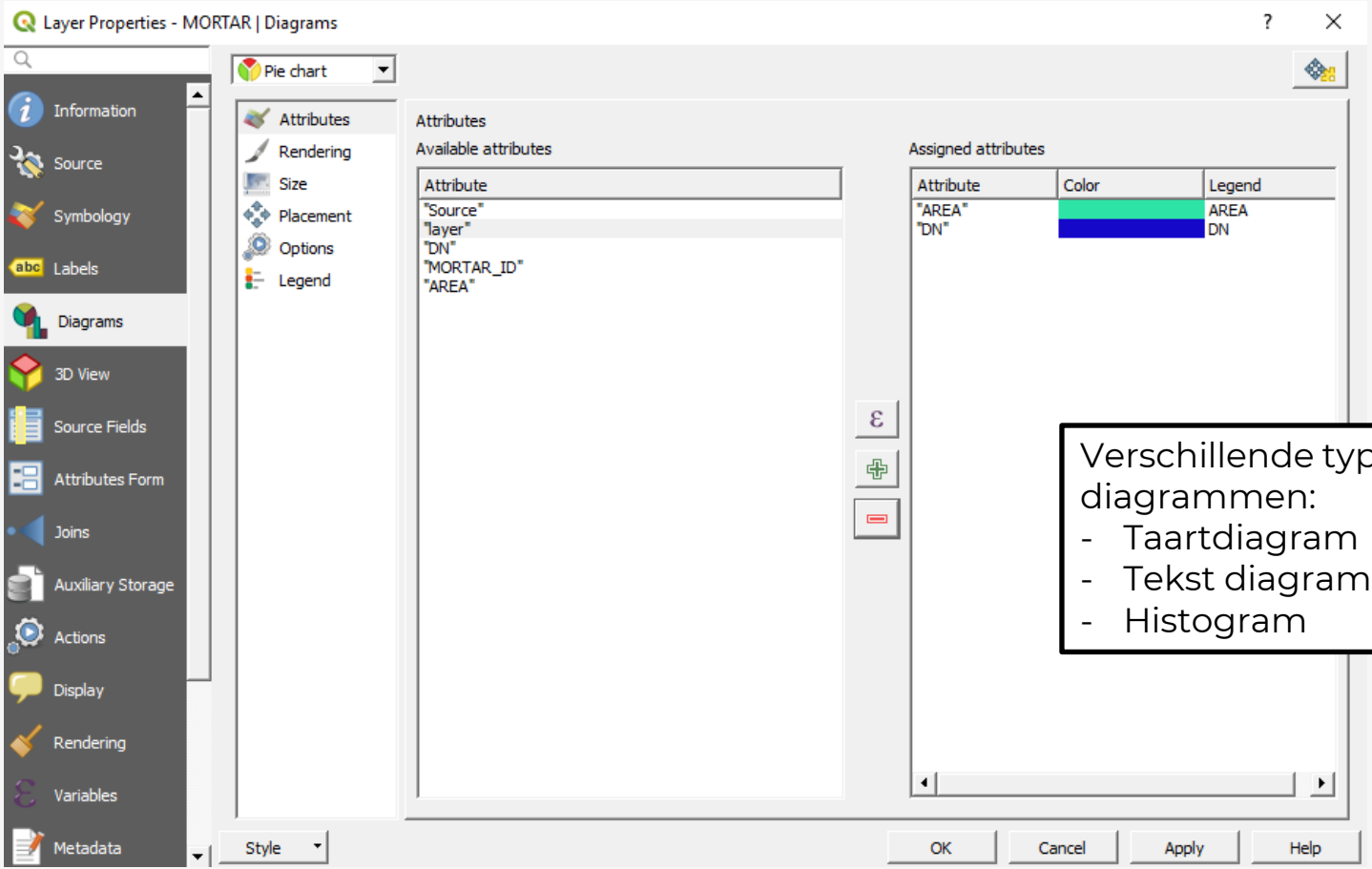


Velden en data types:
- Inspecteren
- Toevoegen/verwijderen
- Bewerken
- Velden berekenen

HO GENT


Layer Properties - MORTAR | Joins
Information
Source
Symbology
Labels
Diagrams
3D View
Source Fields
Attributes Form
Joins
Auxiliary Storage
Actions
Display
Rendering
Variables
Metadata
Setting
Value
Style
OK
Cancel
Apply
Help
Add Vector Join
Join layer
VEGETATION
Join field
123 DN
Target field
123 DN
Cache join layer in virtual memory
Create attribute index on join field
Dynamic form
Editable join layer
Choose which fields are joined
Source
layer
DN
Custom field name prefix
VEGETATION_
OK
Cancel
Layers of niet-ruimtelijke tabellen samenvoegen op basis van gemeenschappelijke velden

HO GENT



Verschillende type diagrammen:

- Taartdiagram
- Tekst diagram
- Histogram

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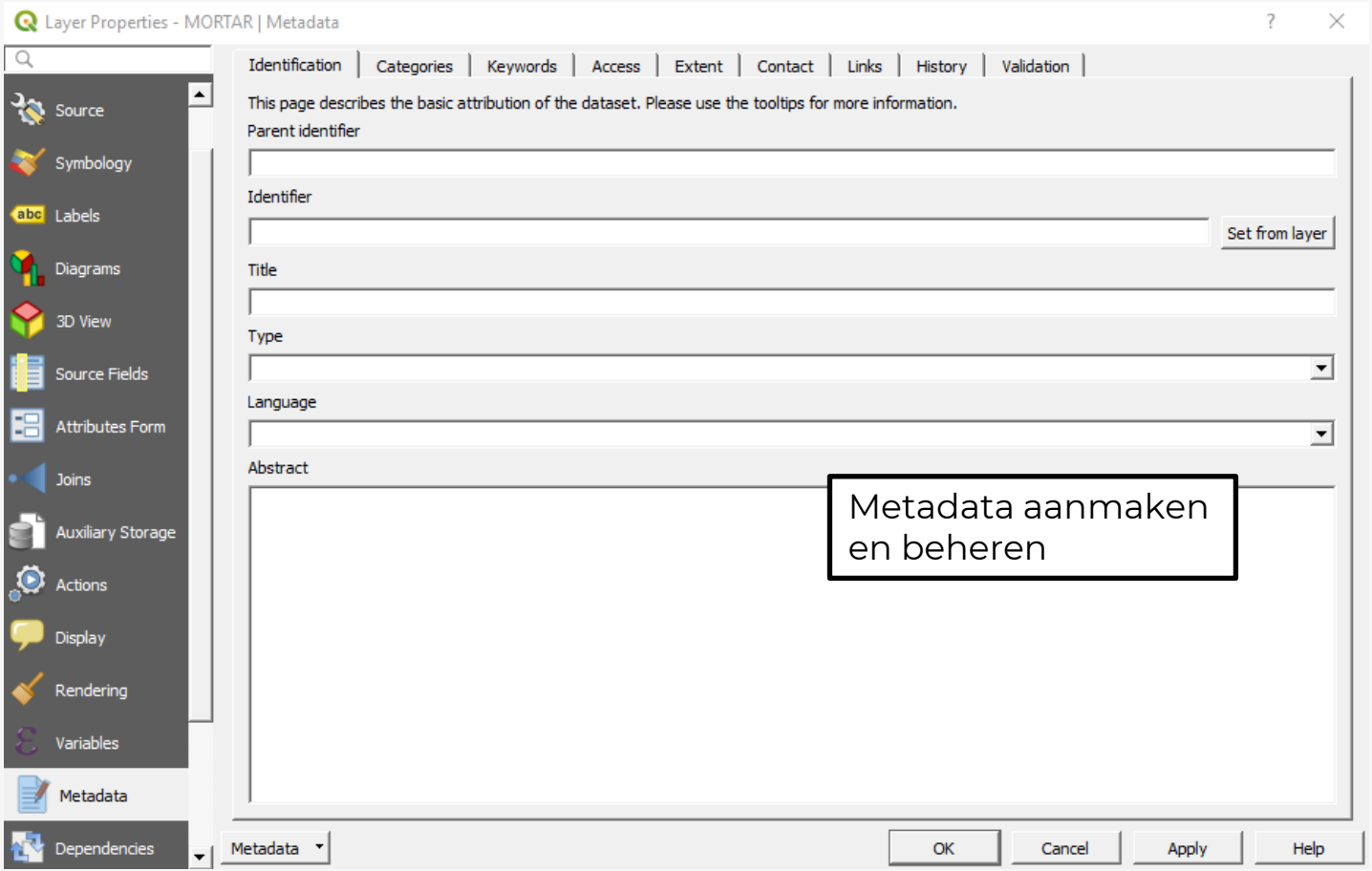
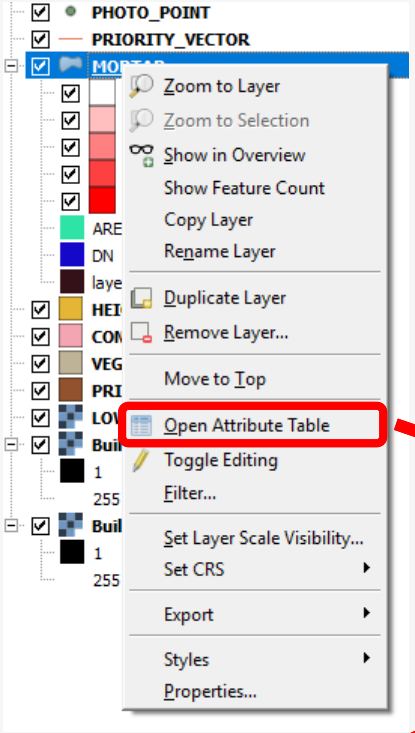
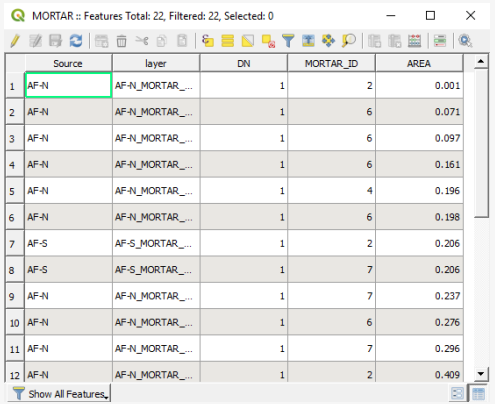

Layer Properties - MORTAR | Metadata
Identification
Categories
Keywords
Access
Extent
Contact
Links
History
Validation
This page describes the basic attribution of the dataset. Please use the tooltips for more information.
Parent identifier
Identifier
Set from layer
Title
Type
Language
Abstract
Source
Symbology
Labels
Diagrams
3D View
Source Fields
Attributes Form
Joins
Auxiliary Storage
Actions
Display
Rendering
Variables
Metadata
Dependencies
Metadata
OK
Cancel
Apply
Help
Metadata aanmaken en beheren

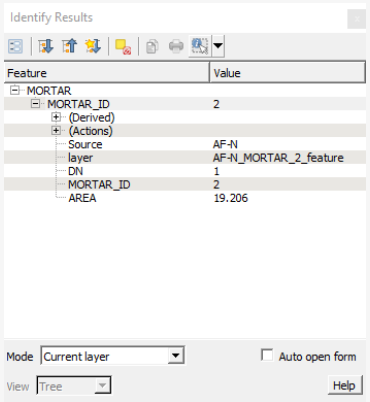
HO GENT

Enkele basisvaardigheden

Objecteigenschappen bekijken:
- Gehele layer → attribute table
- Individuele objecten → Via identifier

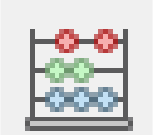






Voor vandaag...

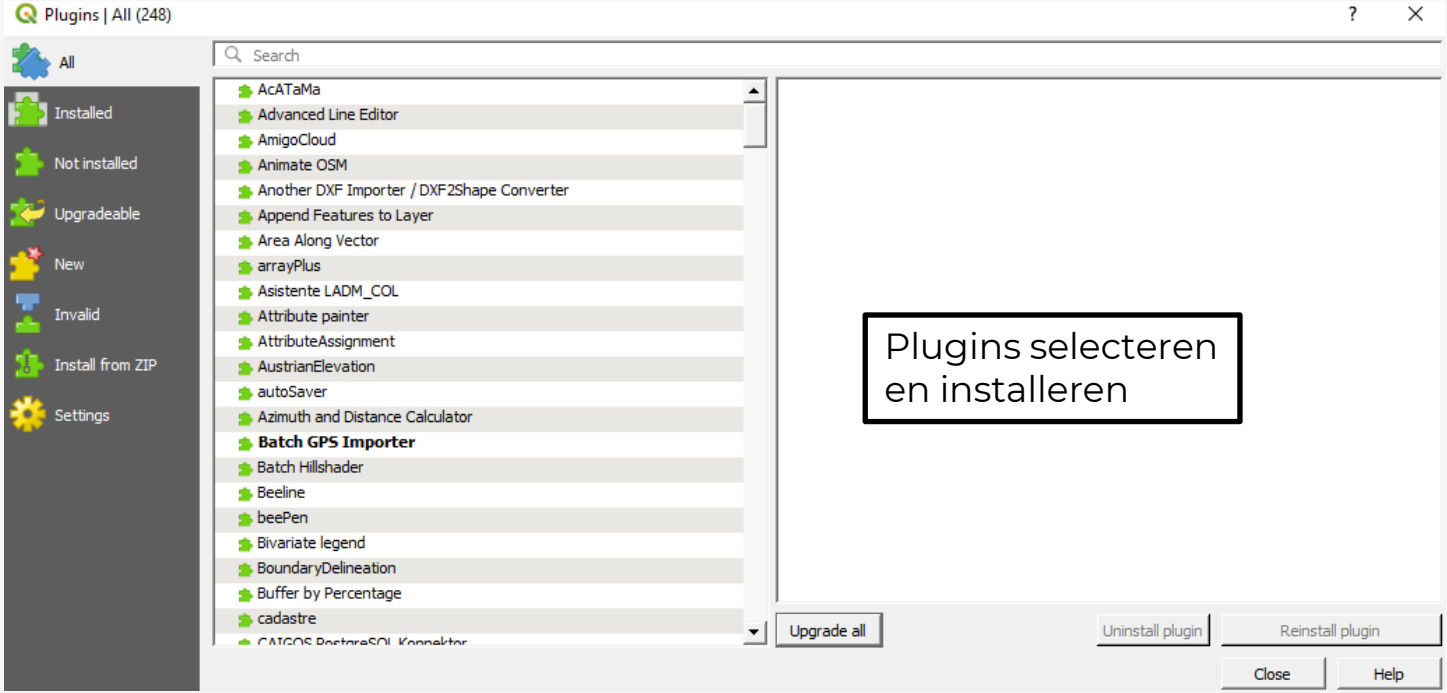
Data selecteren



Velden berekenen

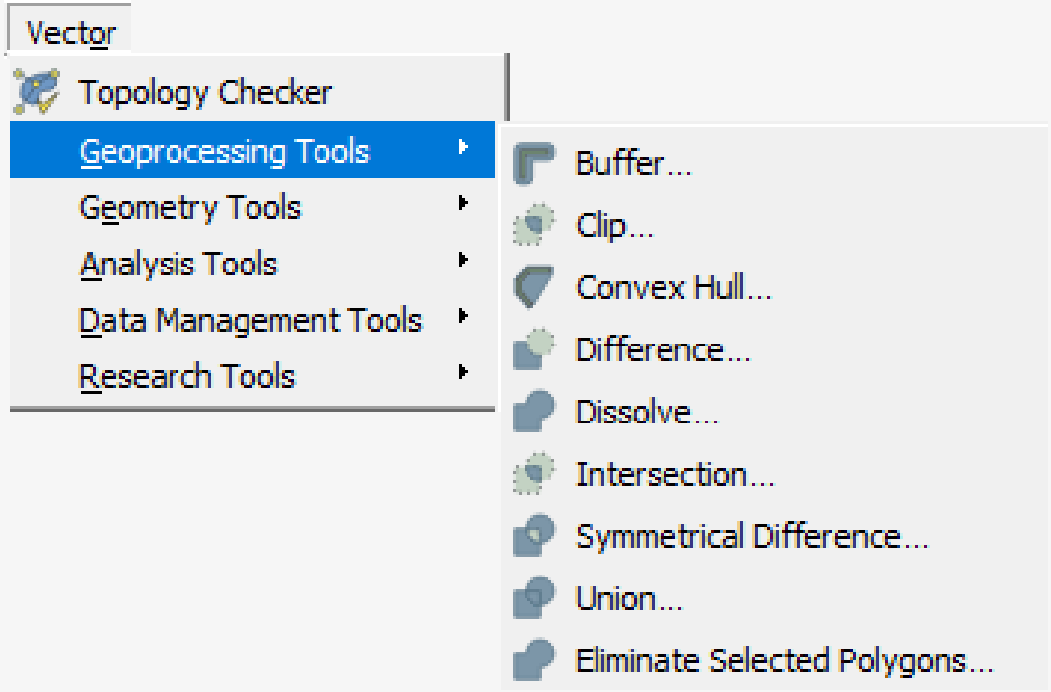
HO GENT

Voor vandaag...



HO
GENT

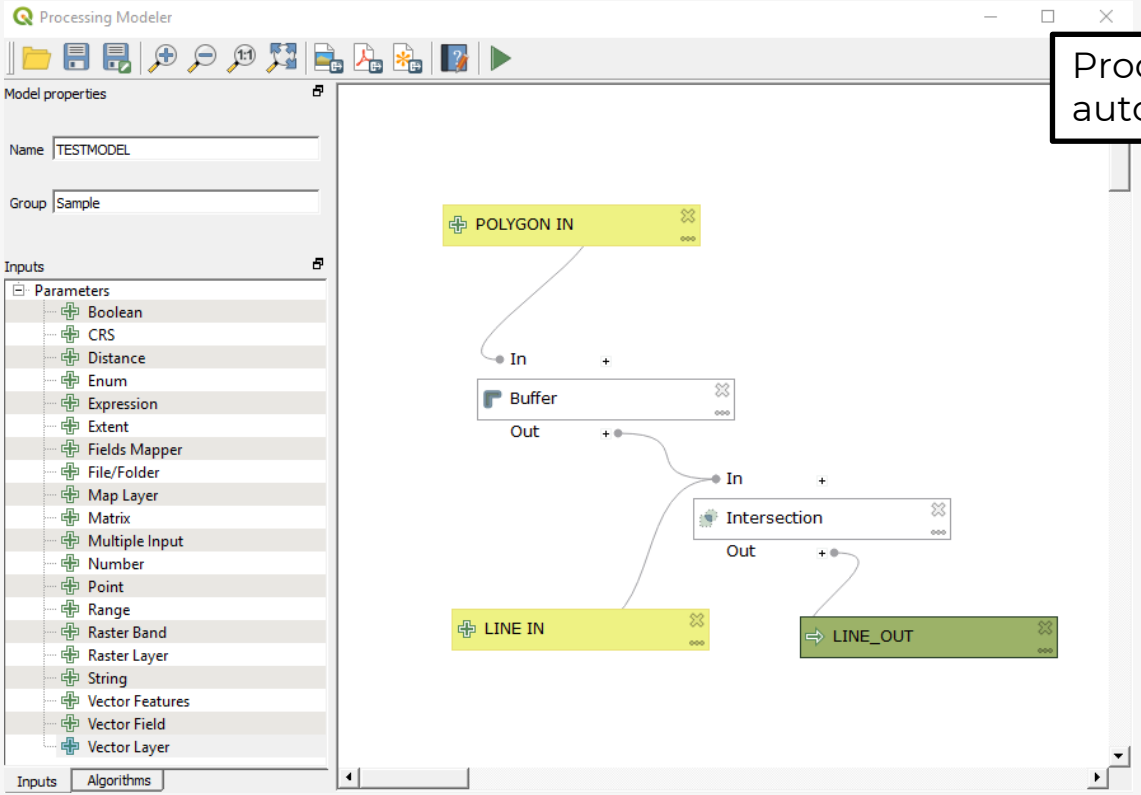
Voor later nog...



Data analyseren

HO GENT

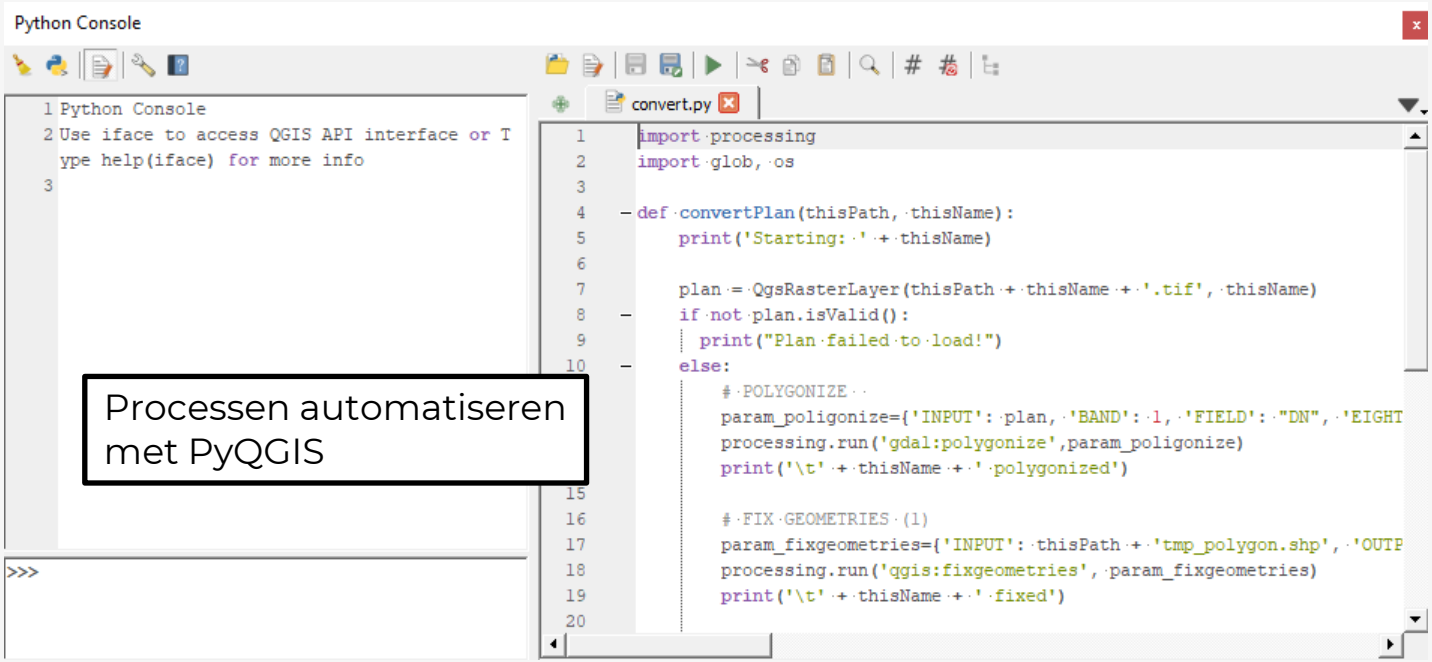
Andere mogelijkheden...



Processen automatiseren

HO GENT

Andere mogelijkheden...



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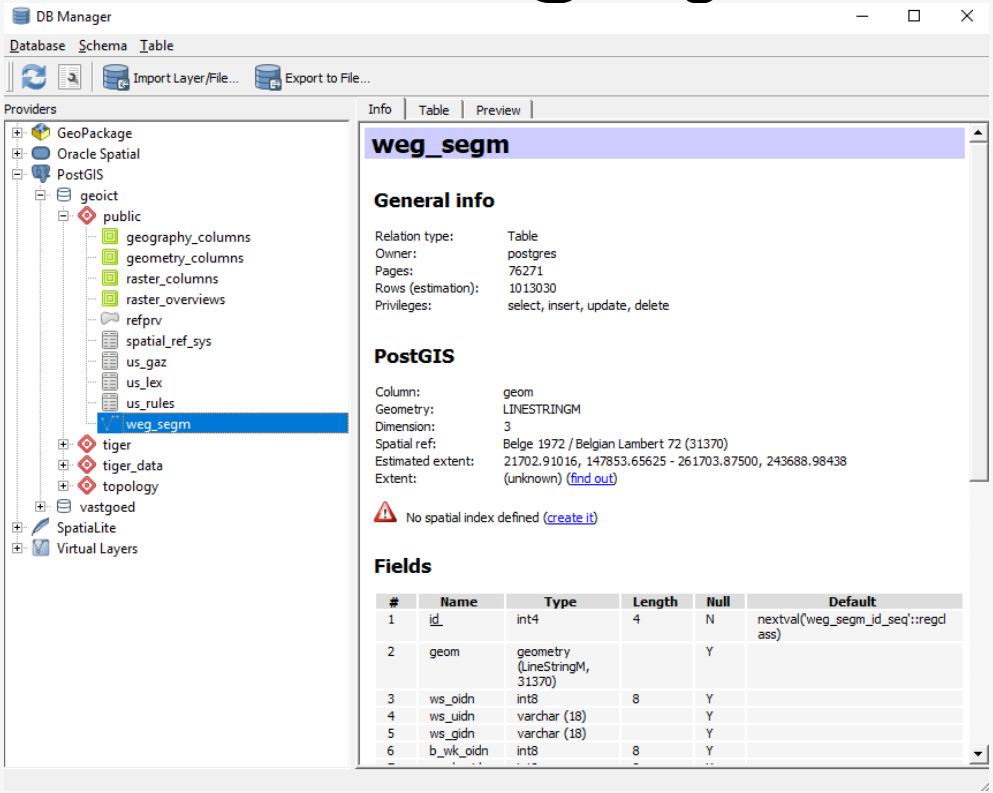
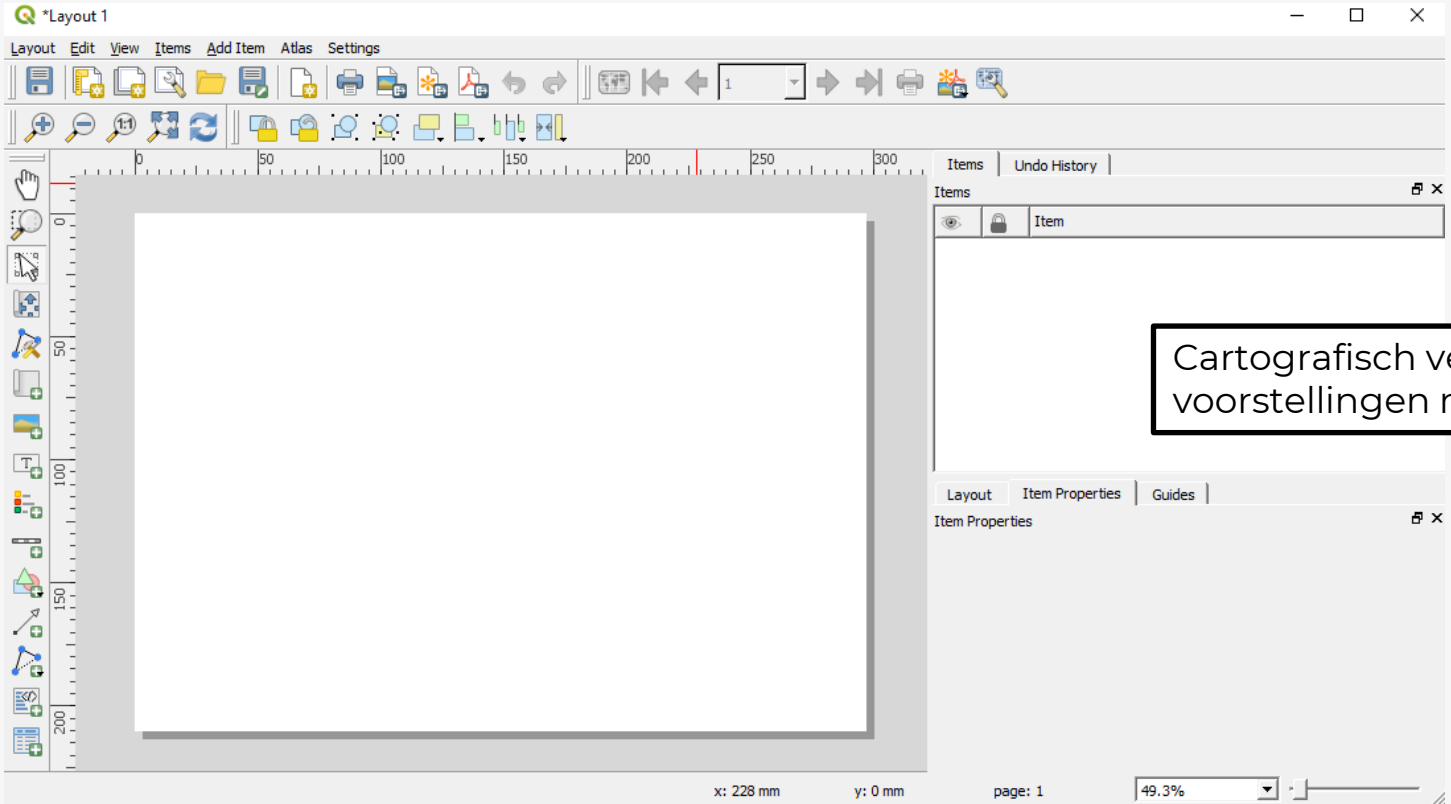
Andere mogelijkheden...



Database management

HO GENT

Andere mogelijkheden...



Cartografisch verantwoorde voorstellingen maken

HO GENT

QGIS Tutorials

http://www.qgistutorials.com/nl/

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Zelfstudie

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