



Kaartviewers maken met QGIS en OpenLayers

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Kaartviewers maken met QGIS en OpenLayers

- Introductie
- Georefereren
- Vectoriseren
- OpenLayers in QGIS
- OpenLayers met Claude



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Aanleiding

Papieren kaarten weggegooid
Digitale kaarten verwijderd

Veiligstellen!



The screenshot shows a web browser window with the URL `urbanplan.nl/map.htm`. The website has a dark blue header with the title "Urbanplan" and a navigation bar with links: "Nieuw", "Architectuur", "Kaarten" (highlighted), "Bouwen", "Foto's", and "Auteur".

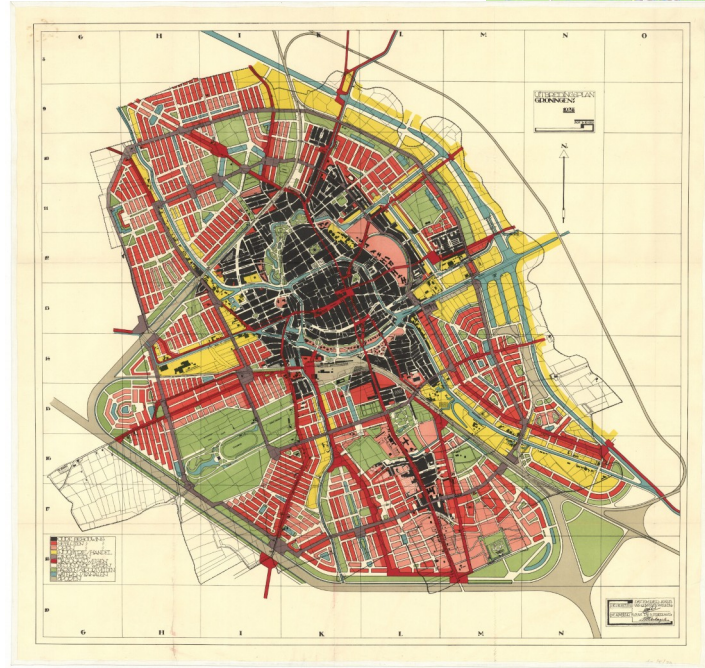
The main content area is titled "Haagse stadsontwikkeling in kaarten". It contains a paragraph of text about the history of urban planning in The Hague, followed by a section titled "Den Haag: Nooitgebouwd" which displays a grid of 10 historical maps with their respective titles and years:

- Plan Van Grol (1603)
- Plan Berlage (1908)
- Plan Dudok (1935)
- Wederopbouw Scheveningen (1945)
- Plan 2000 (1947)
- Structuurplan Dudok (1949)
- Plan Wilsveen (1957)
- Plan Mouton (1960)
- Plan Van Grijik naar Groen (1968)
- Plan Waterman (1980)
- Rijswijk: Mutters (1906)
- Delft: Berlage (1921)

At the bottom, there is a section titled "Den Haag: Geschiedenis en thema's" with a row of four smaller map thumbnails.

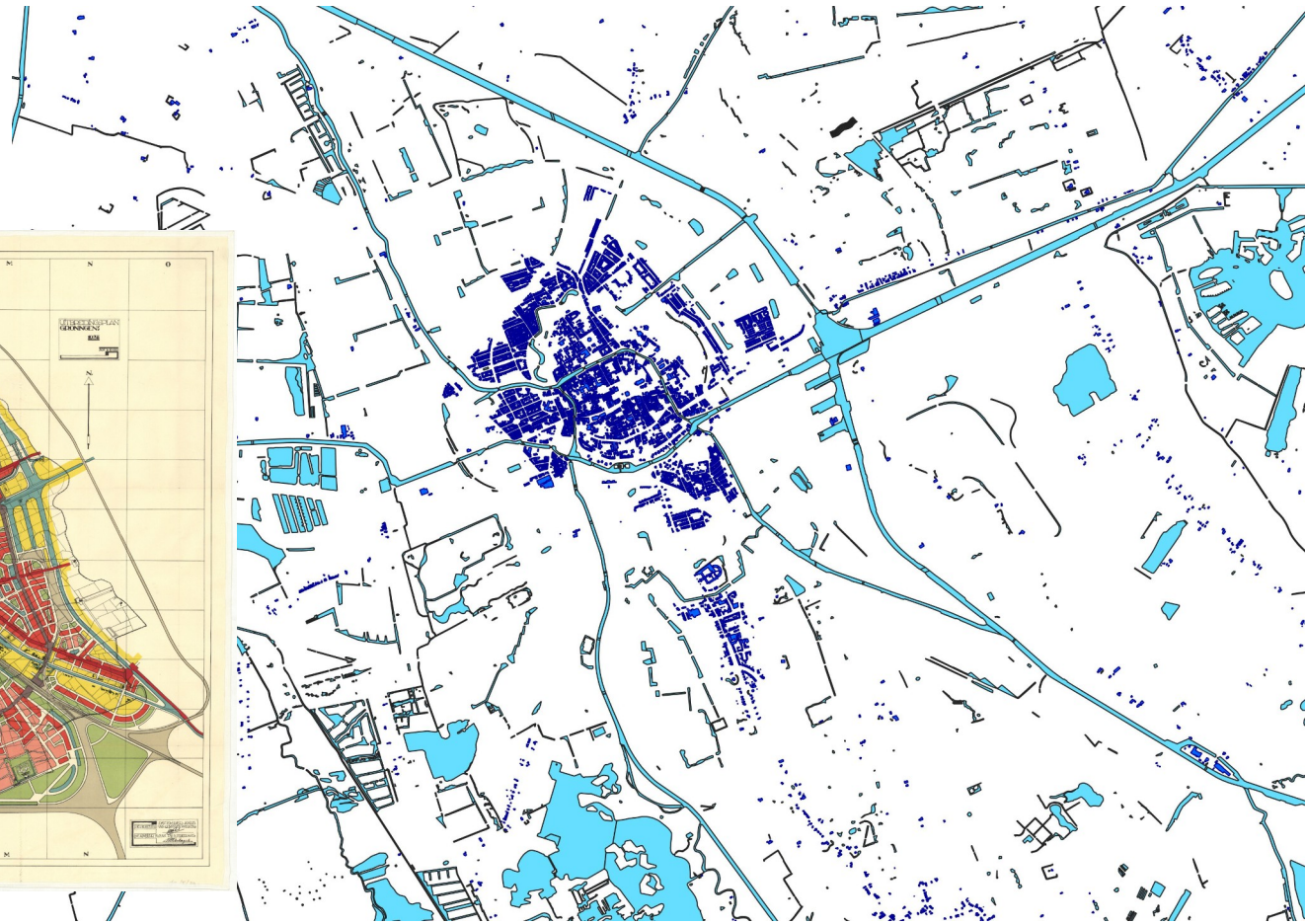


Kaart op de juiste
coördinaten leggen





Raakvlakken zoeken
met andere geodatasets





QGIS — QGIS

Project Edit View Layer Settings Plugins Vector Raster Database Web Mesh MMQGIS Processing Help

Layers

- bag-light — pand
- top10nl_Waterdeel — top10nl_waterdeel
- OSM Standard

Advanced Digitizing

Advanced digitizing tools are not enabled for the current map tool

Georeferencer - groningen1928.jpg

File Edit View Settings

GCP table

Enabled	ID	Source X	Source Y	Dest. X	Dest. Y	dX (pixels)	dY (pixels)	Residual (pixels)
✓	0	547,884438	-1162,0884	232305,03	579967,75	-3,807373	3,382414	5,092819
✓	1	809,384648	-322,576384	233540,61	583940,68	0,165344	0,335545	0,374071
✓	2	1063,3930	-1155,5241	234749,00	580030,12	-0,360844	-1,367290	1,414104
✓	3	1055,8299	-929,199790	234713,58	581091,20	0,518028	-0,360928	0,631365
✓	4	1165,9953	-1155,8809	235232,21	580025,00	-0,372367	-0,257154	0,452549
✓	5	820,646238	-428,532131	233641,89	583432,40	1,006006	2,377493	2,581184
✓	6	646,900520	-620,818121	232780,73	581599,61	1,286085	-1,440836	1,931327
✓	7	665,541695	-695,635403	232878,54	582650,34	2,419414	0,719972	2,524267
✓	8	1140,5945	-640,586326	235101,24	582466,24	-0,853273	-3,389215	3,494976

otatic 0,0° transform: Helmert Translation (229722, 585447) Scale (4,70983, 4,70983) Rotation: 0,212825 Mean error: 2,8700 117,-318 or

Coordinate: 232717 583528 Scale: 1:56121 Magnifier: 100% Rotation: 0,0° Render EPSG:28992

Q Transformation Settings

Transformation Parameters

Transformation type: Helmert

Target CRS: EPSG:28992 - Amersfoort / RD New

Output Settings

Output file: Rest NL/groningen1928_modified.tif

Resampling method: Nearest Neighbour

Compression:

☐ Create world file only (linear transforms)

☐ Use 0 for transparency when needed

☐ Set target resolution

Horizontal: 0,00000

Vertical: 0,00000

Reports

Generate PDF map:

Generate PDF report:

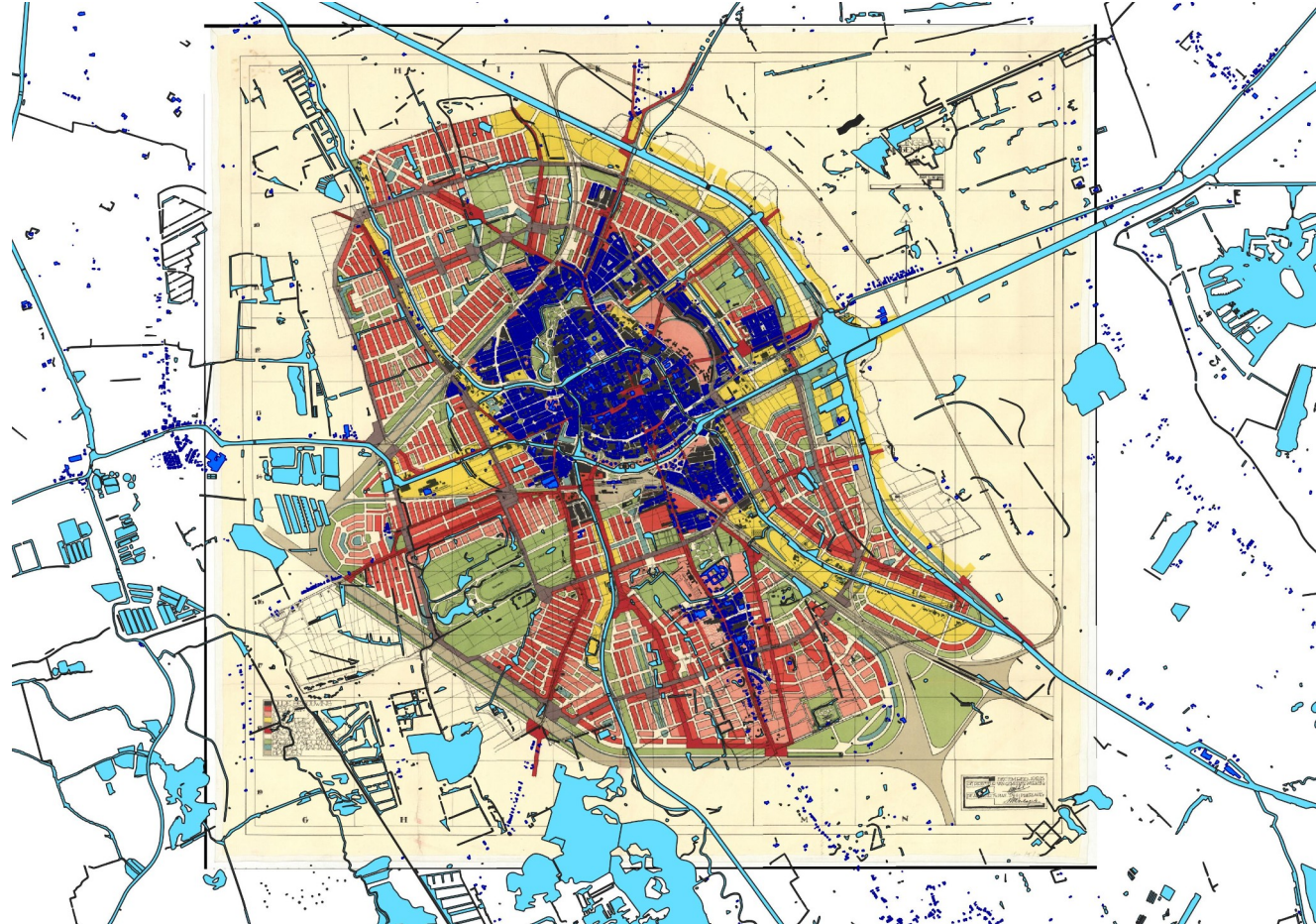
☐ Save GCP points

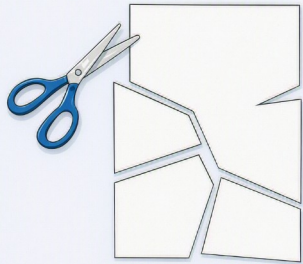
☒ Load in project when done

OK Cancel Help



Kaart op locatie!







Hartlijnen intekenen

- Bestaand (OSM)
- Nieuw zelf tekenen
- Bepaal wegbreedte met buffer



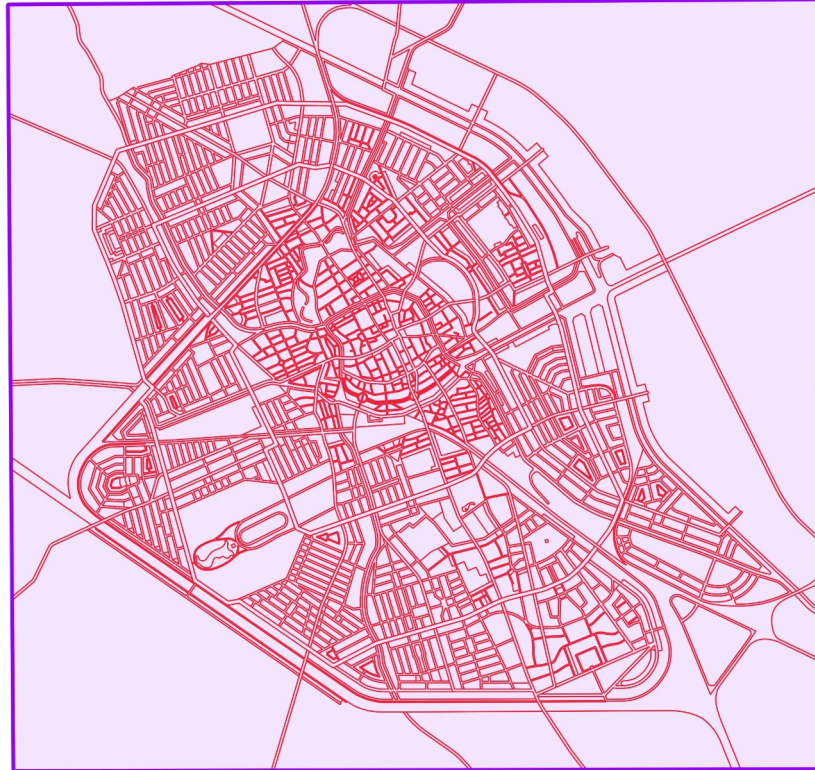


Basis voor de
kaart is gereed!





Lijnen met buffers in
de polygon snijden
(union)





Toekennen attributwaarden
landgebruik





Opschoning

- Fix geometries
 - Remove duplicate vertices
 - Eventueel sorteren op attribuutveld
-
- Slivers
 - Polygonen zonder oppervlak verwijderen
 - Te kleine polygonen
 - samenvoegen met
 - grotere buur
-
- Eventueel sorteren op attribuutveld



Kaartviewer maken met QGIS



Basis kaartviewer maken met Qgis

QGIS 3.40

Project Edit View Layer Settings Plugins Vector Raster Database Web Mesh MMQGIS Processing Help

Layers

- gm_spoor
- gm_vlak [1676]
- [0]
- water [136]
- spoorbaan [17]
- gras [25]
- weg [124]
- gesloten [450]
- groen [250]
- werk [84]
- rondweg [4]
- seoweg [30]
- oud [421]
- open [135]
- OSM Standard

Advanced Digitizing

Advanced digitizing tools are not enabled for the current map tool

Type to locate (Ctrl+K)

Coordinate 230039 560674 Scale 1:28060 Magnifier 100% Rotation 0.0 ° Render EPSG:28992

Export to web map

Layers and Groups Appearance Export Settings WIKI

Appearance

Title None

Abstract None

Layers list Expanded

niveau: int: gm_spoor
type: str: gm_vlak
status: str: gm_spoor

Attribute filter

Geolocate user

Measure tool Metric

Address search None

Layer search None

Show popups on hover

Highlight on hover

Template full-screen

Widget icon

Widget Background

Scale/Zoom

Match project CRS

Restrict to extent

Extent Canvas extent

Max zoom level 28

Min zoom level 1

OpenLayers Leaflet Buy me a coffee Update preview Export

Recommended QGIS version: 3.40

qgis2web supports a new browser for webmap preview, but it is not available because the PyQWebEngine 5.15.6 dependency is missing or your QGIS version is earlier than 3.38.0

Please ensure you have:

- Recommended QGIS version (is shown below the Preview button)
- AN ACTIVE INTERNET CONNECTION (even under proxy)

Then click the button to install.

WARNING: QGIS will close after installation. SAVE YOUR PROJECT FIRST.

PS: In absence of this webmap preview, you can still use qgis2web to Export your project.

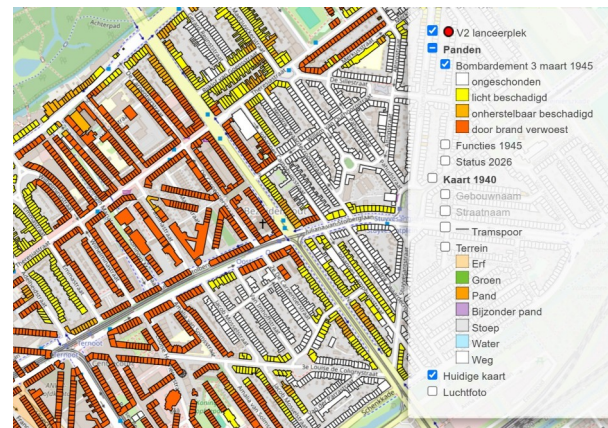
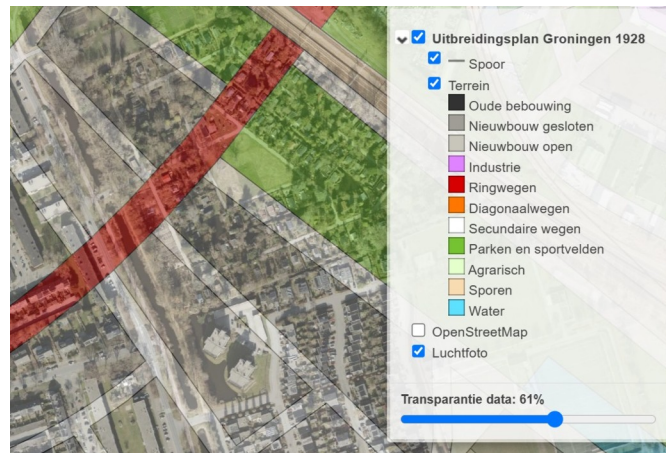
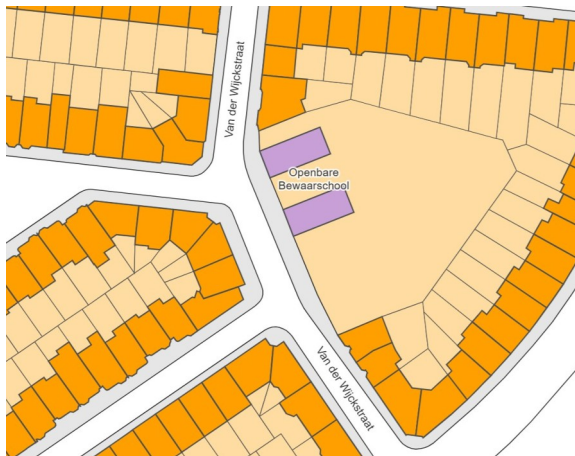
Use old browser
(Limitations and graphic artifacts)

Install new Browser
(Save your project - QGIS will close)



Gewenste aanpassingen doorvoeren handmatig

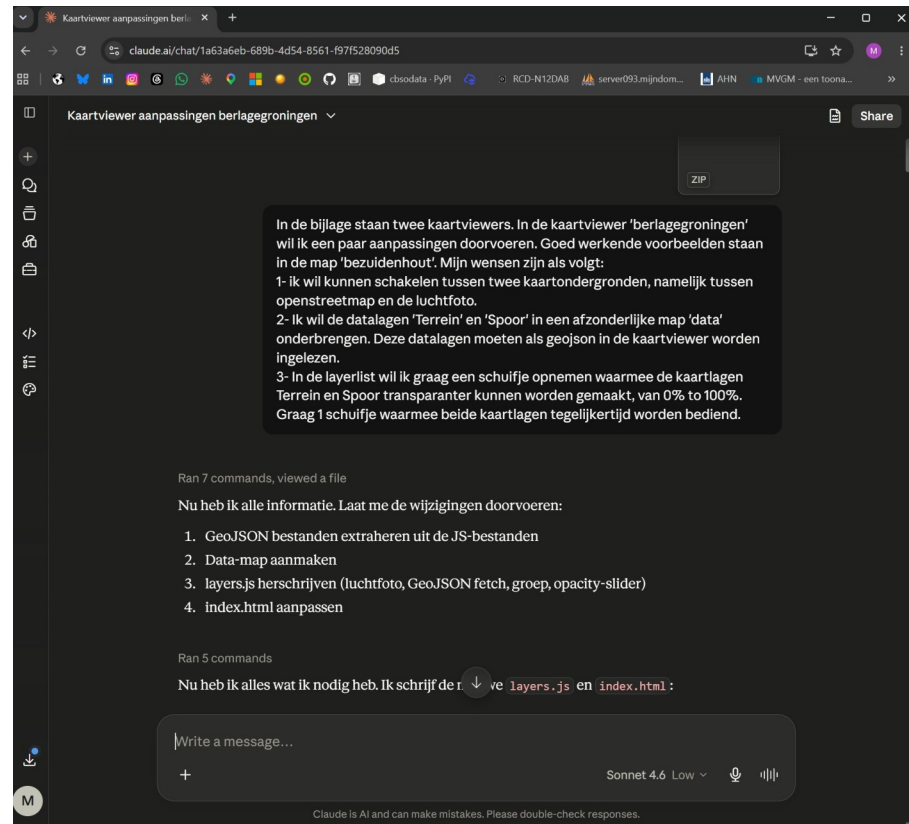
- Labels schaal zichtbaarheid roteren
- Transparantie
- Schakeling tussen OSM en luchtfoto PDOK
- Foto's in popup
- Dataset één keer laden, meerdere keren tonen
- Dataset omzetten van json naar geojson





Gewenste aanpassingen doorvoeren met AI

- Labels schaal zichtbaarheid roteren
- Transparantie
- Schakeling tussen OSM en luchtfoto PDOK
- Foto's in popup
- Dataset één keer laden, meerdere keren tonen
- Dataset omzetten van json naar geojson





Aanpassingen verwerken tot skill

The screenshot shows the Claude AI interface with a dark theme. On the left is a sidebar with a search bar and a list of settings: General, Account, Privacy, Billing, Usage, Capabilities, Claude Code, and Claude in Chrome. Below these are 'Customize' options: Skills (selected), Connectors, and Plugins. The main area is titled 'Skills' and shows a skill named 'qgis2web-ol' created by 'You'. It has a description in Dutch about using the skill for QGIS2Web adaptations. Below the description is a section titled 'qgis2web OpenLayers — Aanpassingshandleiding' which lists the files and components the skill manages: index.html, layers/layers.js, styles/, data/, resources/, and resources/qgis2web.js. At the bottom, there is a 'KRITISCH: Kaartprojectie' section with a warning about EPSG:3857 and EPSG:28992, and a note about replacing ol.proj.Projection in qgis2web.js.

Search

Settings

- General
- Account
- Privacy
- Billing
- Usage
- Capabilities
- Claude Code
- Claude in Chrome

Customize

- Skills**
- Connectors
- Plugins

← Skills

qgis2web-ol ⓘ
by You

Gebruik deze skill bij elke aanpassing aan een qgis2web kaartviewer die OpenLayers gebruikt. Trigger altijd bij: toevoegen van luchtfoto/kaartondergrond wisseling, GeoJSON laden via fetch, datalagen groeperen, transparantieschuifje... [See more](#)

qgis2web OpenLayers — Aanpassingshandleiding

Deze skill documenteert bewezen werkende patronen voor het aanpassen van kaartviewers die zijn gegenereerd met qgis2web (OpenLayers-variant). De viewer bestaat uit:

- `index.html` — HTML + CSS + script-tags + eventuele extra JS
- `layers/layers.js` — laagdefinities en layersList
- `styles/` — stijlbestanden per laag
- `data/` — GeoJSON-bestanden (aan te maken)
- `resources/` — OL-bibliotheek, ol-layerswitcher, qgis2web.js e.d.
- `resources/qgis2web.js` — kaartinitialisatie, view, layerSwitcher, controls

KRITISCH: Kaartprojectie

Gebruik altijd EPSG:3857 als kaartprojectie. qgis2web genereert soms viewers met EPSG:28992 (RD New), maar daarin werken externe tile-bronnen (OSM, PDOK luchtfoto) niet correct.

Als `qgis2web.js` een `ol.proj.Projection` met `EPSG:28992` bevat, vervang dan:



URL:

[Urbanplan: Berlage Groningen](http://urbanplan.nl/map/berlagegroningen/index.html)

