kadaster

Sharing data via **OGC API's**

J. Hogeboom
Kadaster

https://api.pdok.nl

Facts & figures

Most popular datasets
BRT Achtergrondkaart, BGT, BRK and PDOK Aerial photos

214 datasets
642 services
282 INSPIRE services

Nationaal Geodata Register
26,6 million hits

PDOK datasets
22,2 billion hits

111 PDOK tweets

450 Geoforum topics

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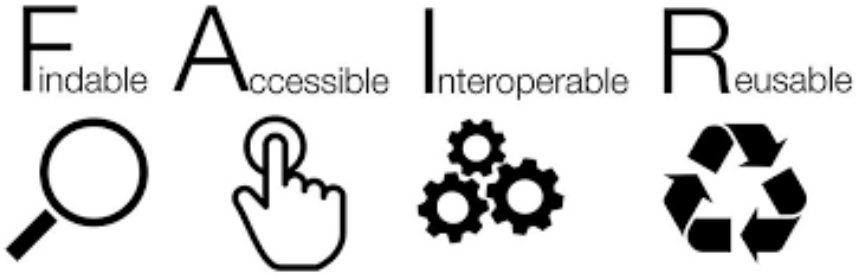

For Geo and non-Geo experts

Search engines (HTML)

Quick insight usability

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Datasets / BGT

Nederlands | JSON

Basisregistratie Grootschalige Topografie (OGC API)

De Basisregistratie Grootschalige Topografie (BGT) is de gedetailleerde grootschalige basiskaart (digitaal) van Nederland, waarin de ligging van alle fysieke objecten zoals gebouwen, wegen, water, spoorlijnen en (landbouw)terreinen is geregistreerd. Lees meer over de BGT en bekijk de BGT vector tiles in de Vectortile Viewer.

Keywords	bgt, basisregistratie, gebouwen, spoorlijnen, terreinen, wegen, topografie, water, vector tiles
License	CC0 1.0
Support	PDOK Support
Dataset-aanbieder	Kadaster (LV-BGT)
Updatefrequentie	Dagelijks
Dienstverlening	Producten- en Diensten Catalogus
Kosten afname	Geen
Authenticatie	Geen
Metadata OGC API Features	Bekijk in het Nationaal Georegister
Metadata OGC API Tiles	Bekijk in het Nationaal Georegister
Metadata dataset	Bekijk in het Nationaal Georegister

Demo

OpenAPI specification

The specification in OpenAPI v3 format describes the OGC API in such a way that both humans and computers can explore the API's options. It shows both in- and output options, and helps to quickly generate a first working API call with the desired result. The page is available in both HTML and JSON.

View as JSON

Conformance

The conformance describes which OGC standards this API implements. The page is available in both HTML and JSON.

View as JSON

Collections

This API offers one or more collections that divide the dataset in various object types, which can be called separately through for instance *features* or *tiles*. The page is available in both HTML and JSON.

View as JSON

Tiles

This entire dataset is available as vector tiles in multiple projections. One or more styles are also available. The page is available in both HTML and JSON.

View as JSON

Styles

One or more official styles as specified by the supplier. Styles are made available in the Mapbox format. The page is available in both HTML and JSON.

View as JSON

Tile Matrix Sets

Description of the Tile Matrix Sets that are made available via this API. Note that all zoom levels of the tile matrix are described. See the *Tile Matrix Set Limits* on the Tiles pages to see what zoom levels are supported by this API. The page is available in both HTML and JSON.

View as JSON

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Questions before implementing

- ☑ Existing or our own software?
- ☑ How/what to present via HTML?
- ☑ How to present metadata?
- ☑ How to serve big data (sets) and historical data?
- ☑ Pre-processing versus on-the fly (OGC API Tiles)
- ☑ Filters or no filters (OGC API Features)

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Experiences

Azure Kubernetes Service (AKS)

GeoPackage

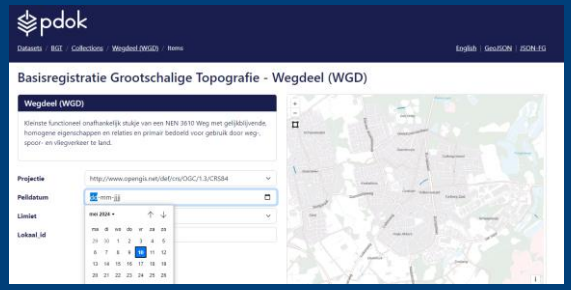
Scalable solutions for big datasets

PDOK/**gokoala**

Cloud Native OGC APIs server, written in Go

10 Contributors · 2 Used by · 12 Stars · 4 Forks

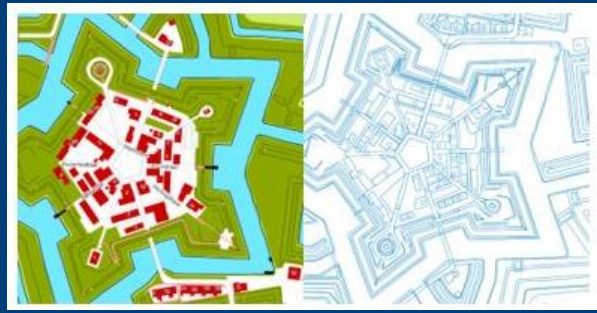
Own implementation



HTML and JSON presentation

Projection	http://www.opengis.net/def/crs/OGC/1.3/CRS84
Date	05-06-2024
Limit	1000 items (max)
Lokaal_id	G0858.00142151902c4cdc9d91b04d0858999c

Filtering and historical data



Raster versus Vector (tiles)

INSPIRE - Infrastructure for Spatial Information in Europe

Metadata and INSPIRE

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Our conclusions

- ☑ Quick implementation OGC API Common and Features (part 1 en 2)
- ☑ Quick INSPIRE compliancy (OGC API Features)
- ☑ HTML implementation doesn’t need to take much time (but can be if desired)
- ☑ You can start simple without filters (and add them later)
- ☑ Reserve time for user participation
- ☑ Reserve time for adjusting reports, website etc.
- ☑ Vector Tiles are great! (but takes time)
- ☑ Try out a big data (sets) and small dataset (to check performance)