

SMART SURVEYORS FOR LAND AND WATER MANAGEMENT
CHALLENGES IN A NEW REALITY



eWORKING WEEK 2021
20-25 JUNE

Erik Nobbe (Hetwaterschapshuis)

Open Spatial Data available in the Netherlands

The Dutch spatial data landscape, 23 June 2021, 15:00 –
16:30

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Open spatial data in The Netherlands: an overview

Nationwide

Used to update thematical data

- Satellite data Optical and Radar
- Lidar
- Aerial photography





Interessegebied

gouderaksedijk 18, gouda

Filters

Ruimtelijke resoluties

- 0.5m
- 0.8m
- 1.5m
- 2m
- 4.8m
- 6m
- 10m

Alle

Wolken filter uitschakelen (1)

Periode

Startdatum: 01-03-2013 Einddatum: 23-06-2021

- BRT achtergrondkaart
- OpenStreetMap
- Luchtfoto 2019 25cm
- Luchtfoto 2018 25cm

Satellietdataportaal

- Optical data:
 - Every 6 weeks
 - 50 cm resolution
- Radardata:
 - Every 12 days
 - 5 m resolution
- Coverage NI
- Opendata

Datum: 2020-03-12
 Resolutie: 0.5m SuperView-1
 Download WMS Toevoegen aan vergelijker Verberg beeld

1 jul. 2019 01-okt. 01-jan. 01-apr. 01-jul. 01-okt. 01-jan. 1 apr. 2021

Lidar coverage

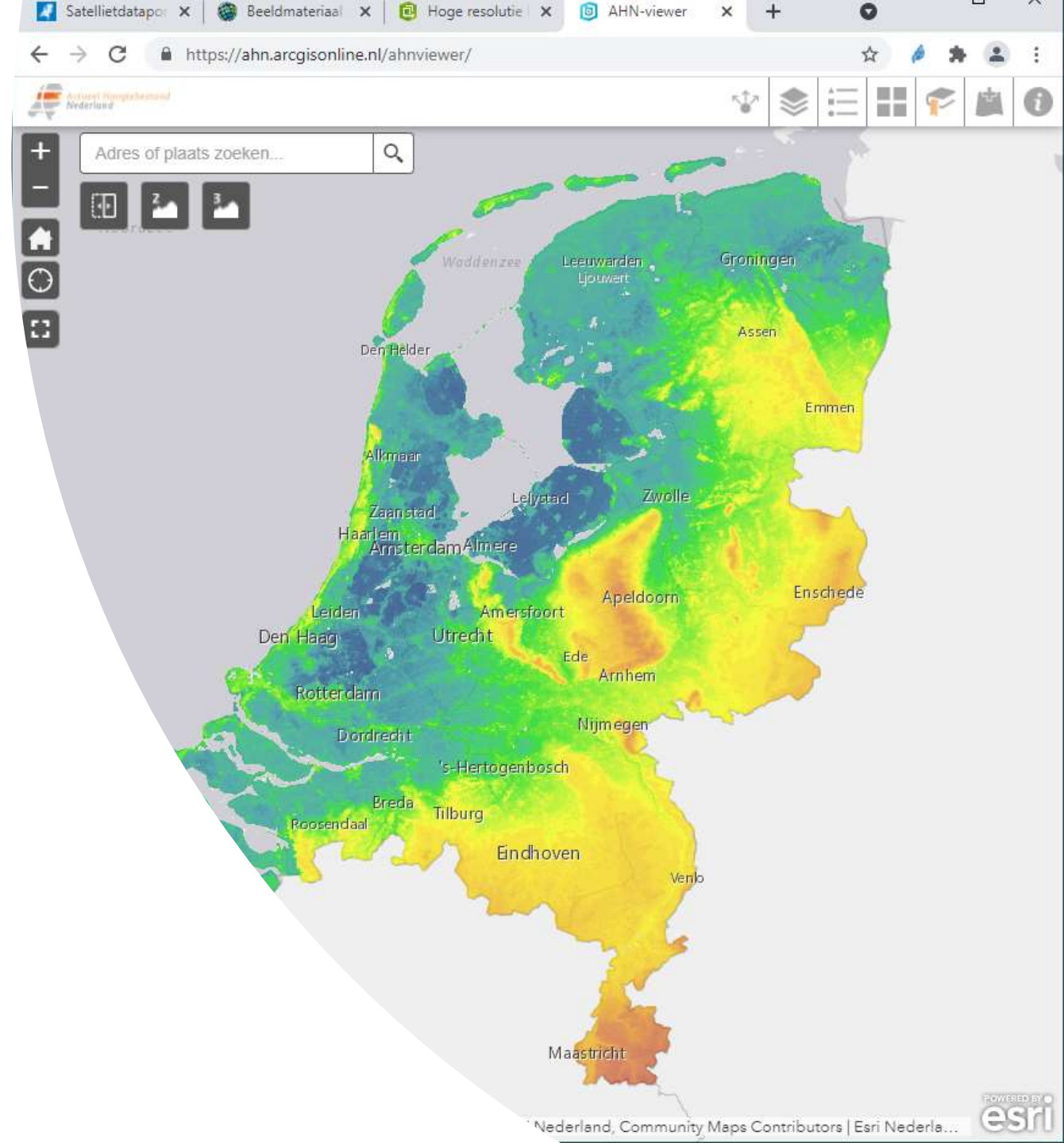
4 nationwide coverages since 1997


DTM 0,5 m grid

DSM 0,5 m grid

Pointcloud of up to 20 points per m²

Opendata since 2014



An aerial photograph of a residential area. A large, dark tree trunk is prominent in the center. To the right, a road curves through the area, with several houses and green spaces visible. The image is partially obscured by a semi-transparent circular overlay containing text.

Aerial photography

Leaf off season:

- 7,5 cm stereo
- 8 cm ortho

Opendata since 2021

Leaf on season:

25 cm ortho and stereo

Opendata since 2016

[Opendata.beeldmateriaal.nl](https://opendata.beeldmateriaal.nl)

Usecases of opendata

Data quality

Inspection

Change detection

Permits

Mapping of key registers





Future developments

- Combined collection of Aerial and Lidar and Oblique
- Integrated viewer for all datasets
- Funding / organization

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