

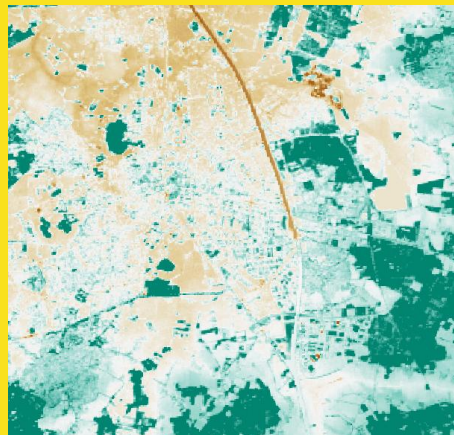


Track 4: *European Pointcloud Portal*

Daan van der Heide
AHN congres 2026

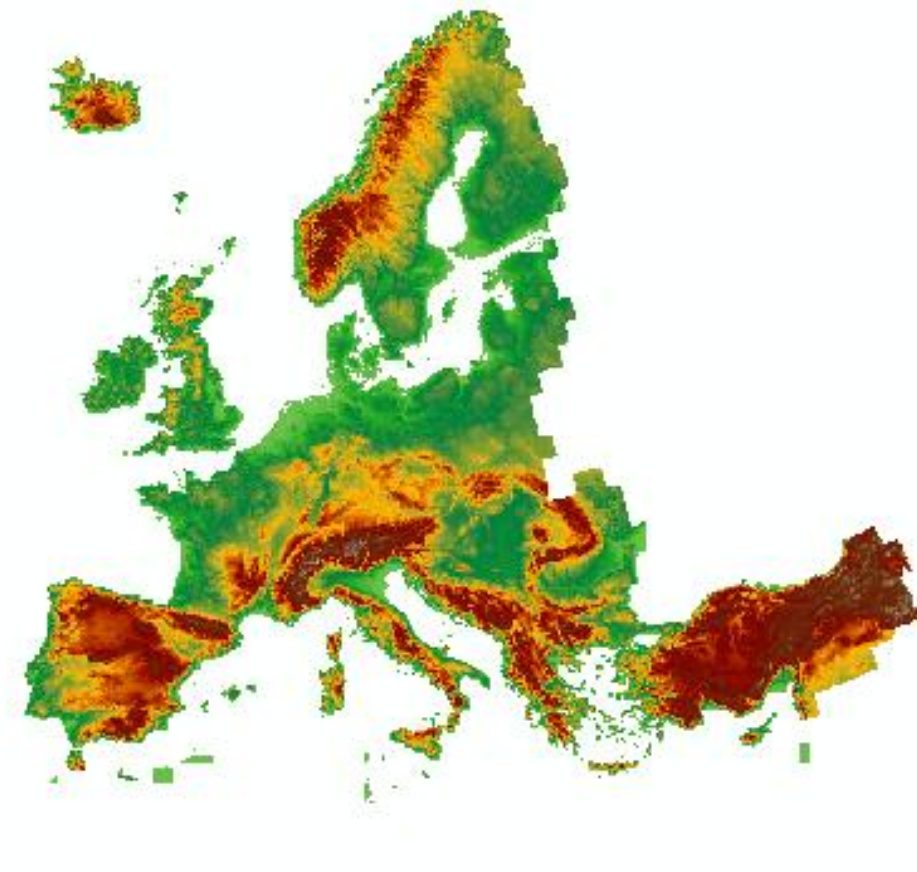


AHN4



EUDEM

***Hoe vinden we Europese
puntenwolken?***



Explore all Member States' datasets by selecting a data theme.

Annex I



Addresses

Def:
Location of properties based on address identifiers,...

185 | 109 | 105



Administrative units

Def:
Units of administration, dividing areas where Member...

528 | 216 | 335



Cadastral parcels

Def:
Areas defined by cadastral registers or equivalent....

7908 | 7768 | 7773



Geographical grid systems

Def:
Harmonised multi-resolution grid with a common point...

93 | 51 | 59



Geographical names

Def:
Names of areas, regions, localities, cities, suburbs,...

430 | 279 | 323



Hydrography

Def:
Hydrographic elements, including marine areas and all...

903 | 489 | 540



Protected sites

Def:
Area designated or managed within a framework of international,...

1117 | 497 | 639



Coordinate reference systems

Def:
Systems for uniquely referencing spatial information...

158 | 41 | 49



Transport networks

Def:
Road, rail, air and water transport networks and related...

1267 | 606 | 717

Annex II



Elevation

Def:
Digital elevation models for land, ice and ocean surface....

1150 | 789 | 428



Geology

Def:
Geology characterised according to composition and...

1341 | 571 | 952



Land cover

Def:
Physical and biological cover of the earth's surface...

1078 | 408 | 472



Geography

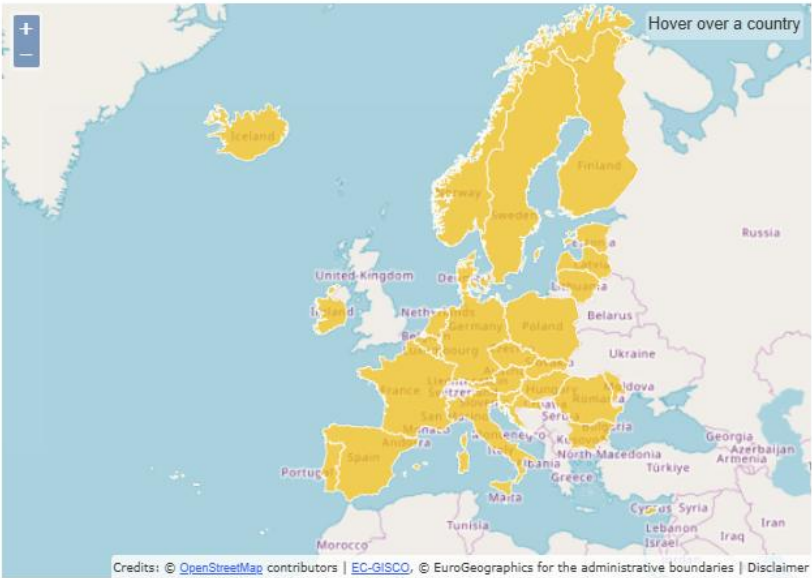
Def:
Geography characterised according to location and...

1

INSPIRE Data zoektocht

INSPIRE Datasets - EU & EFTA Country overview

Datasets by Theme: 🏔️ Elevation



Geoportal
Dataset Statistics

1150
Metadata records

789
Downloadable Datasets

428
Viewable Datasets

Spatial scope coverage:

- ☐ National
- ☐ Regional

Select a country

Austria	574	573	20	
Belgium	12	9	11	
Bulgaria	7	5	5	
Croatia	3	1	3	
Cyprus	1	1	1	
Czech Republic	2	2	2	
Denmark	4	4	4	
Estonia	6	4	4	
Finland	7	3	3	
France	23	8	20	
Germany	103	63	82	
Greece	0	0	0	
Hungary	2	2	2	
Iceland	7	4	6	
Ireland	2	1	1	
Italy	316	63	218	
Latvia	1	0	0	
Liechtenstein	6	2	1	
Lithuania	1	1	1	
Luxembourg	9	9	9	
Malta	5	5	4	
Moldova	5	0	0	
Netherlands	1	1	1	
Norway	13	11	7	
Poland	1	1	1	
Portugal	13	9	10	
Romania	2	1	1	
Slovakia	1	1	1	
Slovenia	1	1	0	
Spain	6	4	4	
Sweden	1	0	0	
EUROSTAT	0	0	0	

INSPIRE Data
zoektocht

Datasets by Theme:  Elevation Country:  Netherlands

 1 |  1 |  1

Filter results by:

Properties:

☐  Downloadable

☐  Viewable

Spatial scope coverage:

☐  National

☐  Regional

☐  Other

+ Countries

+ Themes

+ Legislations

+ Env. Domains

+ Geospatial Domains

Items per page:

20

Search:

Search text

Title	Properties
 Bathymetrie Nederlands deel van de Noordzee dieper dan 10 m LAT	  

< 1 >

INSPIRE Data zoektocht

INSPIRE Geoportal

This site is managed by the European
Commission Joint Research Centre Unit T.4

Accessibility

Contact us

Contact information

About us

Information about the Joint Research Centre

Related links

INSPIRE Knowledge Base

Provenance ⓘ

1 Netherlands

Data scope ⓘ

1 National Data

Catalogues ⓘ

- Any -

Formats ⓘ

- Any -

Metadata quality ⓘ

- Any -

Data services ⓘ

☐ Yes ☒ No

Licences ⓘ

- Any -

Categories ⓘ

- Any -

Publisher ⓘ

- Any -

Keywords ⓘ

- Any -

High-Value Dataset ⓘ

[All](#) [Datasets](#) [Catalogues](#) [Editorial content](#)

Lidar

Filters

?

Q

2

Datasets found (171)

API request

Relevance

Data scope: National Data x

Provenance: Netherlands x

Netherlands

Dataset

KNMI UV-polarisation lidar Ascension Island initiative (ASCII) campaign data

A ground-based UV polarisation lidar was deployed to infer cloud droplet sizes and droplet number concentrations near the cloud base of cumulus clouds over Ascension Island. The measurements were part ...

 Dataportaal van de Nederlandse overheid

HTML

Netherlands

Dataset

KNMI UV-polarisation lidar Ascension Island initiative (ASCII) campaign data

A ground-based UV-polarisation lidar was deployed to infer cloud droplet sizes and droplet number concentrations near the cloud base of cumulus clouds over Ascension Island. The measurements were part ...

 National Georegister of the Netherlands

Netherlands

Dataset

Suffering from arguing young people

Percentage of citizens who suffer a lot from arguing young people as a percentage of the total number of respondents

Data.Europa.eu

data zoektocht

Provenance

1 Netherlands

Data scope

1 National Data

Catalogues

- Any -

Formats

- Any -

Metadata quality

- Any -

Data services

☐ Yes ☒ No

Licences

- Any -

Categories

- Any -

Keywords

- Any -

High-Value Dataset

☐ Yes ☒ No

Geospatial

All Datasets Catalogues Editorial content

altitude

Filters ?

Datasets found (338)

API request Relevance

Data scope: National Data

Provenance: Netherlands

Netherlands

Dataset

Airports Altitude restrictions

Aircraft need space to take off and land. In order to ensure this, the airport decision shall lay down security areas within which obstacles which exceed specified heights may not be created. The areas with height...

 Dataportaal van de Nederlandse overheid

WMS JPEG WFS

Netherlands

Dataset

Wadden Sea Altitude 2 m grid 2018 DTM

Case number 31105748. Lot 3 Coast 2018 — DTM 2 meter grid file of laser data per Top10 map sheet — Coast Belgium from Cadzand and the entire Dutch coastline. The data is obtained by laser altimetry. The...

 Dataportaal van de Nederlandse overheid

JPEG ZIP WMS WCS ArcGIS M

Netherlands

Dataset

Altitude Netherlands - country - DTM - Current Altitude Netherlands (AHN)(INSPIRE Harmonized)

Height - country - DTM is the ground level of the Netherlands that has been harmonized for the international combination of altitude records. The source is the most recent collection of AHN. The grid files have a...

 National Georegister of the Netherlands

WMS

Data.Europa.eu data zoektocht

High-Value
Datasets

Altitude Netherlands - country - DTM - Current Altitude Netherlands (AHN)(INSPIRE Harmonized)

0

 National Georegister of the Netherlands

API Cite Metadata Embed RSS

Height - country - DTM is the ground level of the Netherlands that has been harmonized for the international combination of altitude records. The source is the most recent collection of AHN. The grid files have a resolution of about 1 meter. It contains detailed and precise height data determined with a minimum of 10 height measurements per square meter. The height is measured with laser altimetry: A technique in which an aircraft scans the earth's surface with a laser beam. From the measured heights (points) grids are made.

Quality >

Similar datasets >

History >

Created:	14.09.2023
Updated:	18.04.2024
Landing Page:	https://service.pdok.nl/rws/hoogte/dtm/atom/dtm.xml
Languages:	Dutch
Catalogue Record:	Added to data.europa.eu: 03 May 2023 Updated on data.europa.eu: 30 March 2026
Spatial:	Coordinates: [[3.118, 53.61], [7.253, 53.61], [7.253, 50.67], [3.118, 50.67], [3.118, 53.61]] Type: Polygon
Conforms to:	
Provenance:	Geproduceerd in het kader van INSPIRE dienstverlening RWS. Het AHN4 is inge...
uriRef:	http://data.europa.eu/88u/dataset/d0

Data.Europa.eu data zoektocht

European LiDAR & Aerial Maps

This page contains the links for all of the free LiDAR maps and aerial photography in Europe. If you are searching for LiDAR some of the links will take you directly to a LiDAR hillshade view, in some others you will have to search through the 'layers' in order to find the LiDAR view and the rest provide LiDAR data for which you will need specific software (QGIS is a good example).

Open Source LiDAR Software

Some of the software is open source and takes a fair bit of effort to learn. In order to give visitors a start we have included a training page with download links and a few training videos for QGIS. If you have any problems or have knowledge of other links that you would like to see on this page please contact the admin of the Facebook group 'LiDAR and Aerial Archaeology'.

Join the Community on Social Media



[Albania LiDAR ASIG Geportal](#)

[Austria LiDAR](#)

[Austria LiDAR GEOLAND](#)

[Austria Karnten Region LiDAR Land Karnten](#)

[Austria Pulkau Municipality aerial photography](#)

<https://www.lidarandaerialarchaeology.com/europe/>

Free LiDAR Data Sources: Complete Global Guide (2026)

All Links Verified & Working

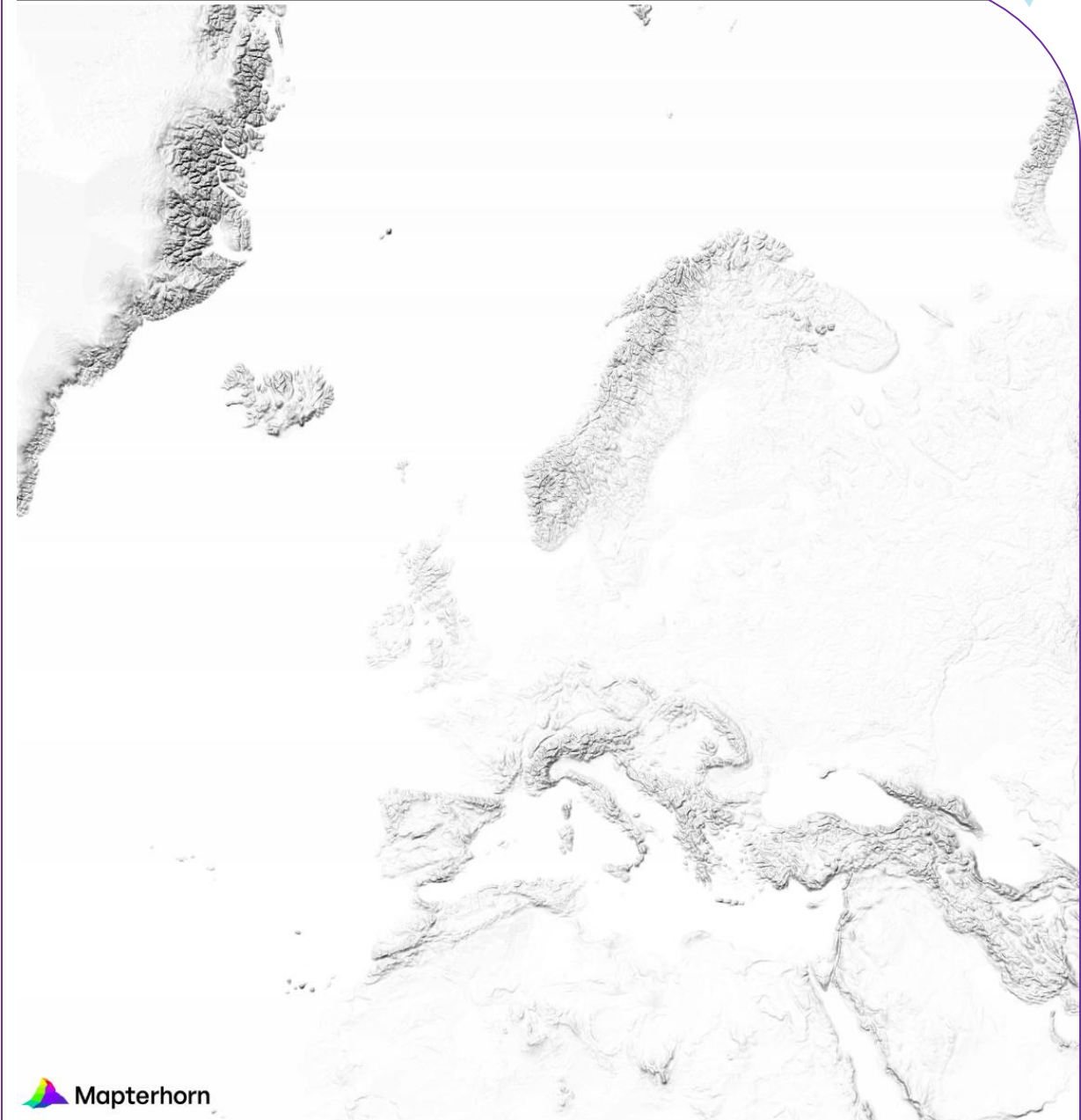
We have compiled the most comprehensive list of free LiDAR data sources available in 2026 — from USGS 3DEP (the largest repository in the world) to country-specific portals across North America, Europe, and Oceania. For an authoritative overview of national programs, see the [Wikipedia National lidar dataset](#) page.

PROCESS YOUR DATA FREE

Why Free LiDAR Data Matters

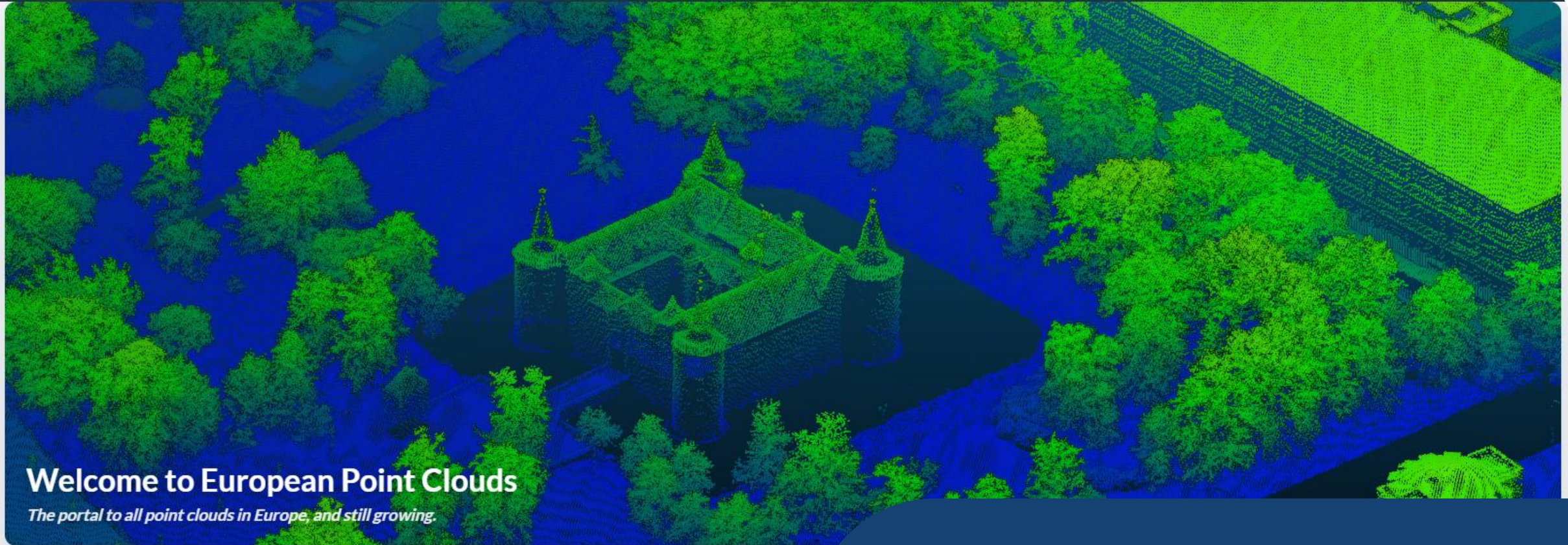
<https://lidarvisor.com/free-lidar-data-sources/>

<https://tiles.maptherhorn.com/tilejson.json>



 Maptherhorn

<https://maptherhorn.com/viewer/#map=2.97/58.04/29.8>



Welcome to European Point Clouds

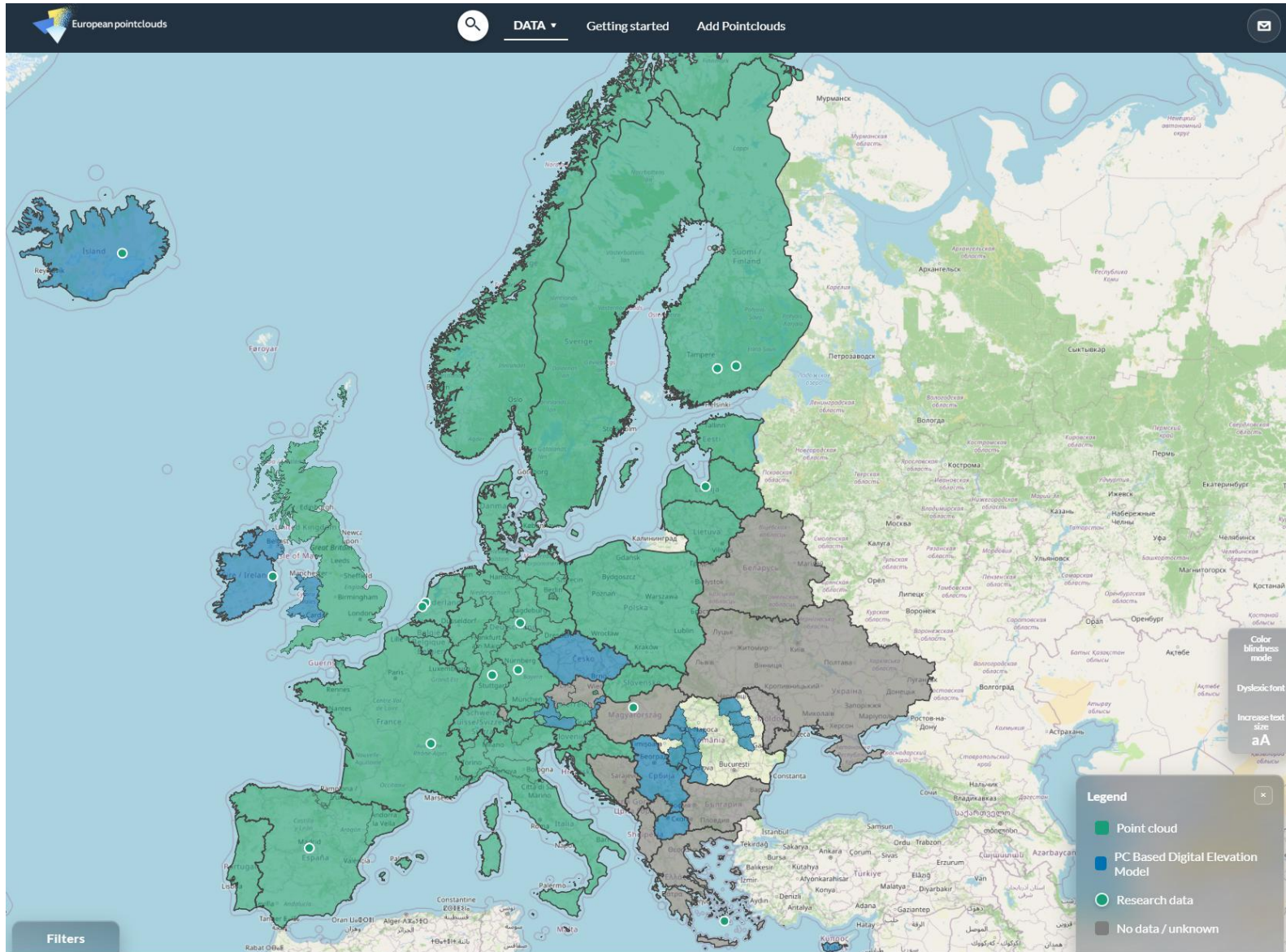
The portal to all point clouds in Europe, and still growing.

Welcome

This platform provides a central access point to discover known point cloud datasets and point cloud-based elevation data across Europe. Each dataset included in the portal has been reviewed and validated to determine its availability status, including whether it is openly accessible or expected to become open data in the near future. The portal aims to improve transparency, accessibility, and border usability of European elevation data.

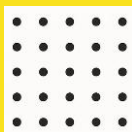
The project resulted in a comprehensive report supported by Rijkswaterstaat (The Netherlands), TU Delft, EUROSDP

European Point cloud Portal

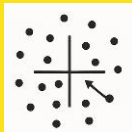


Map viewer

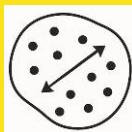
What are the European Point cloud dialects?



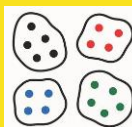
Spatial distribution



Absolute nauwkeurigheid



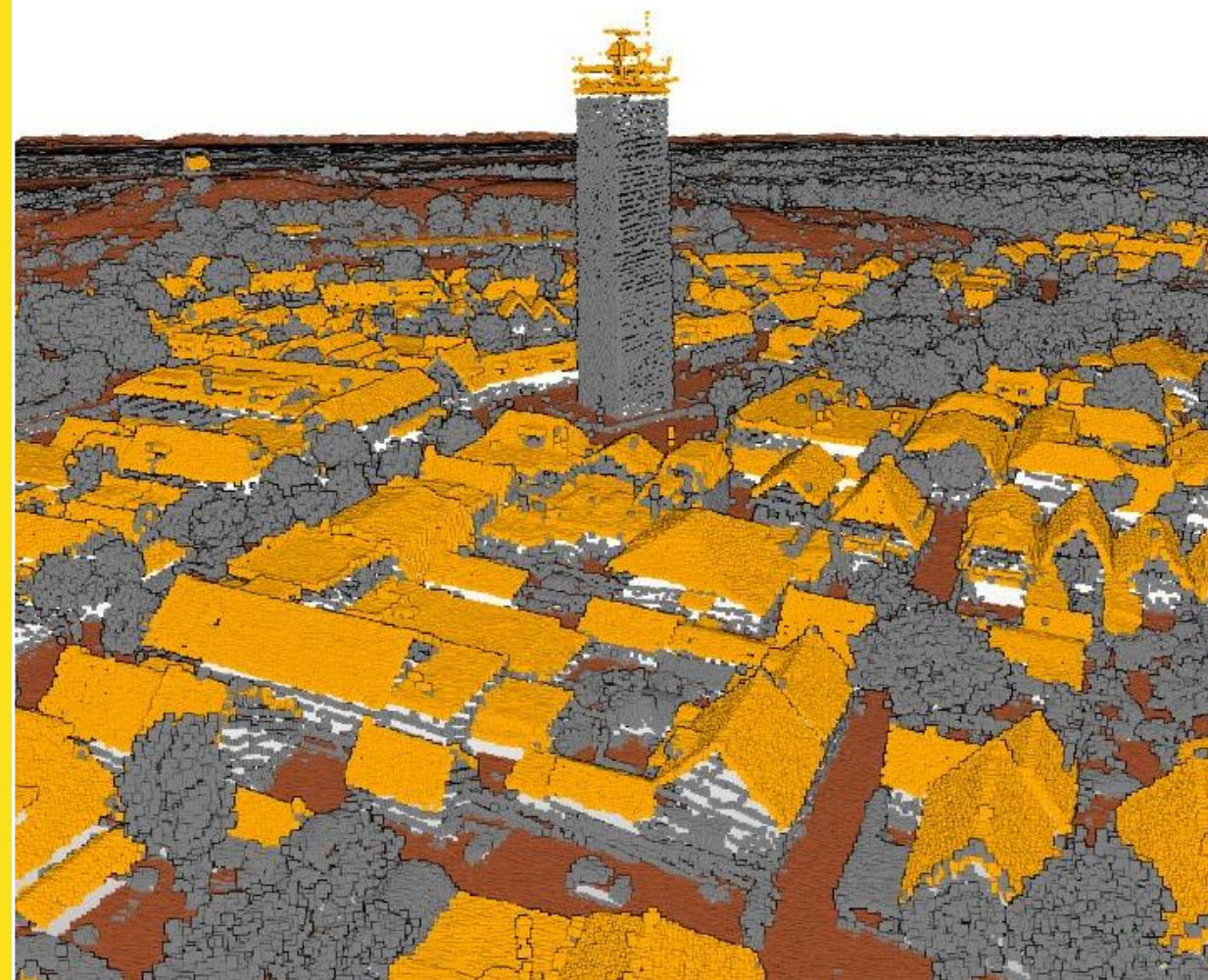
Relatieve nauwkeurigheid



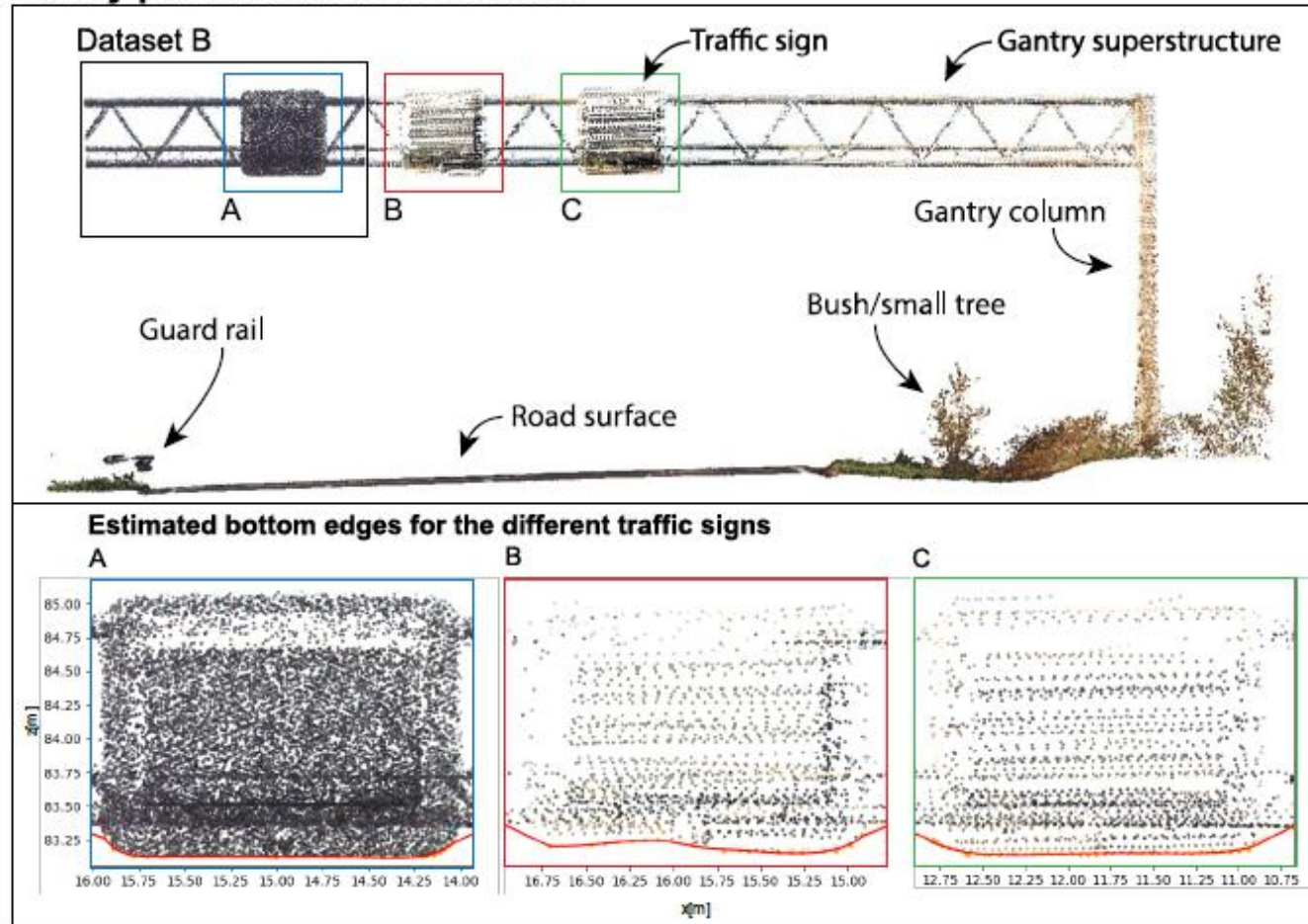
Classificatie



Referentie stelsel

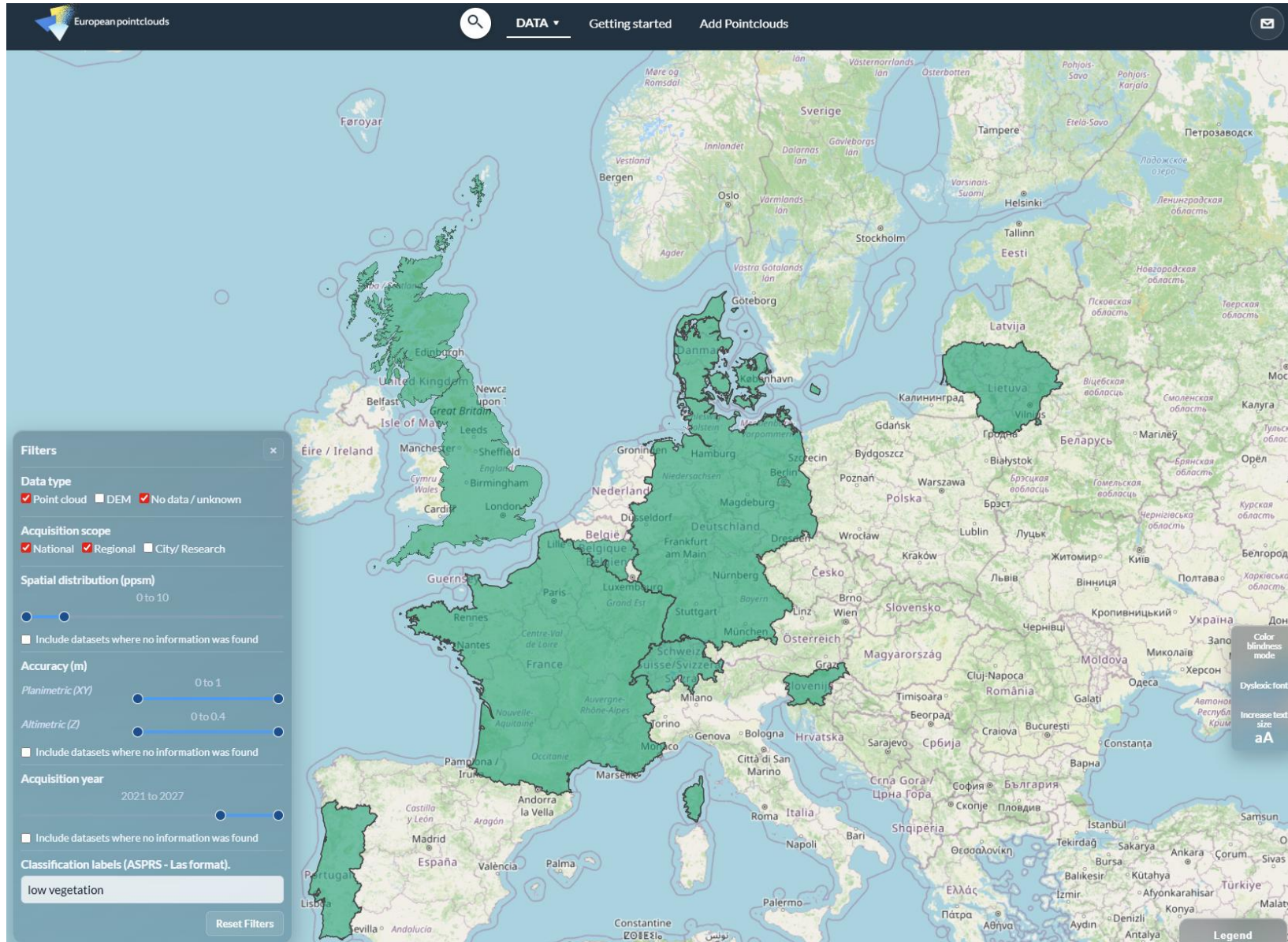


Gantry point cloud from dataset A

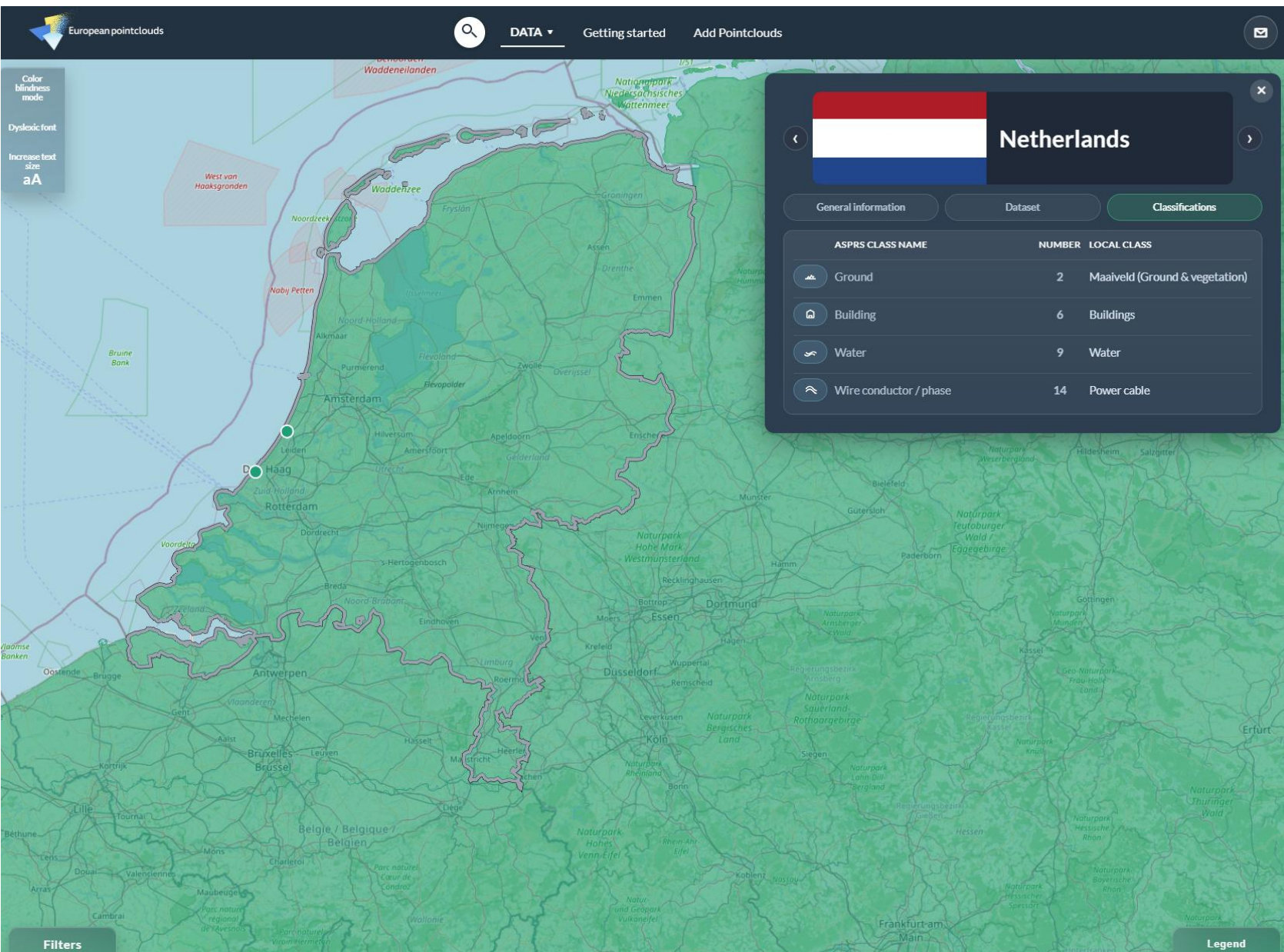


Meinderts, Lindenberg, van der Heide (2023) - Link: [Master Thesis rapport](#)

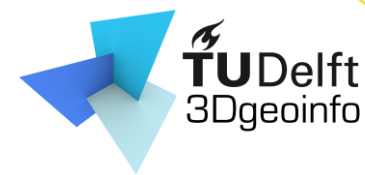
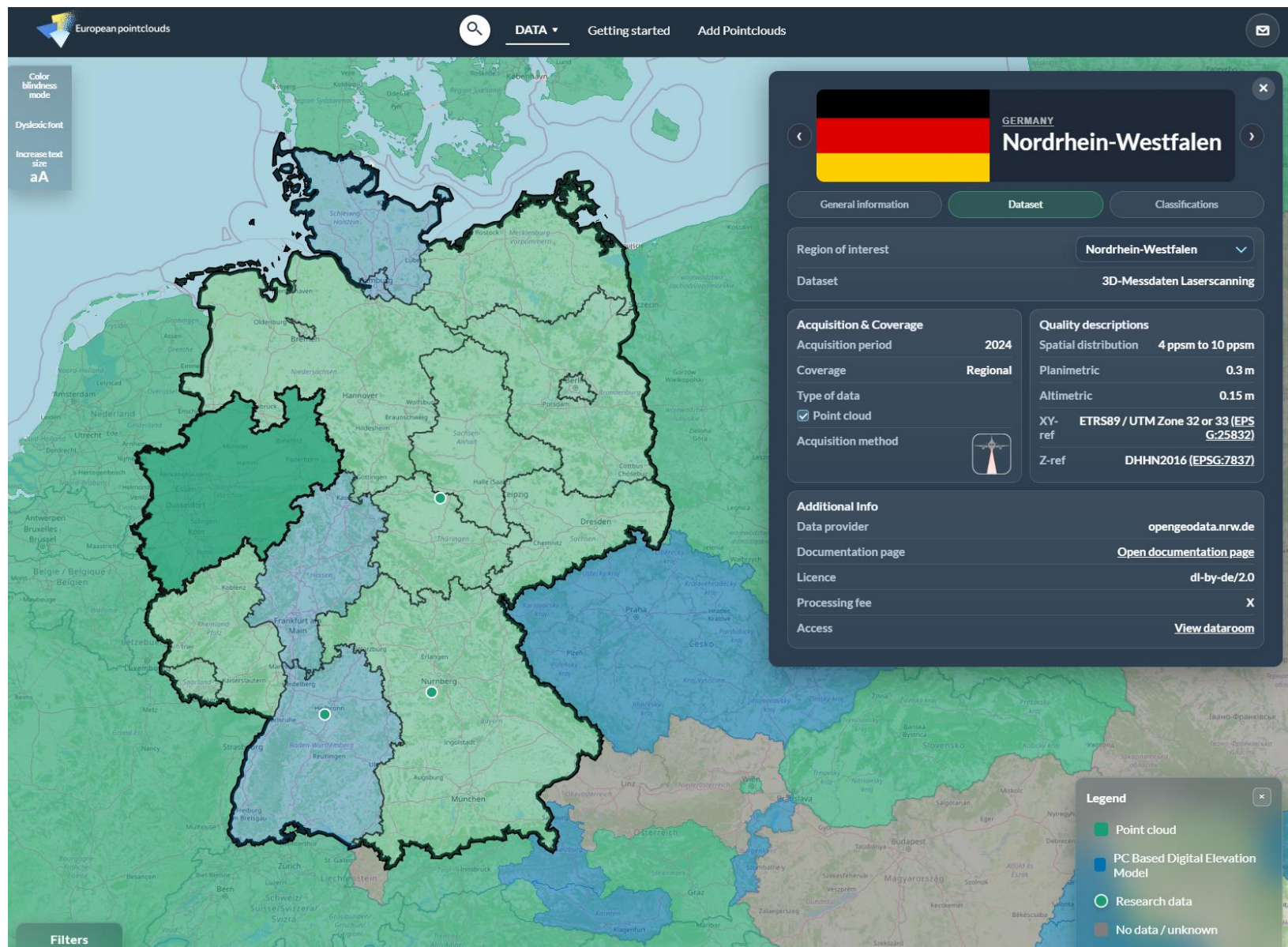
**Praktisch
voorbeeld van
de dialecten**



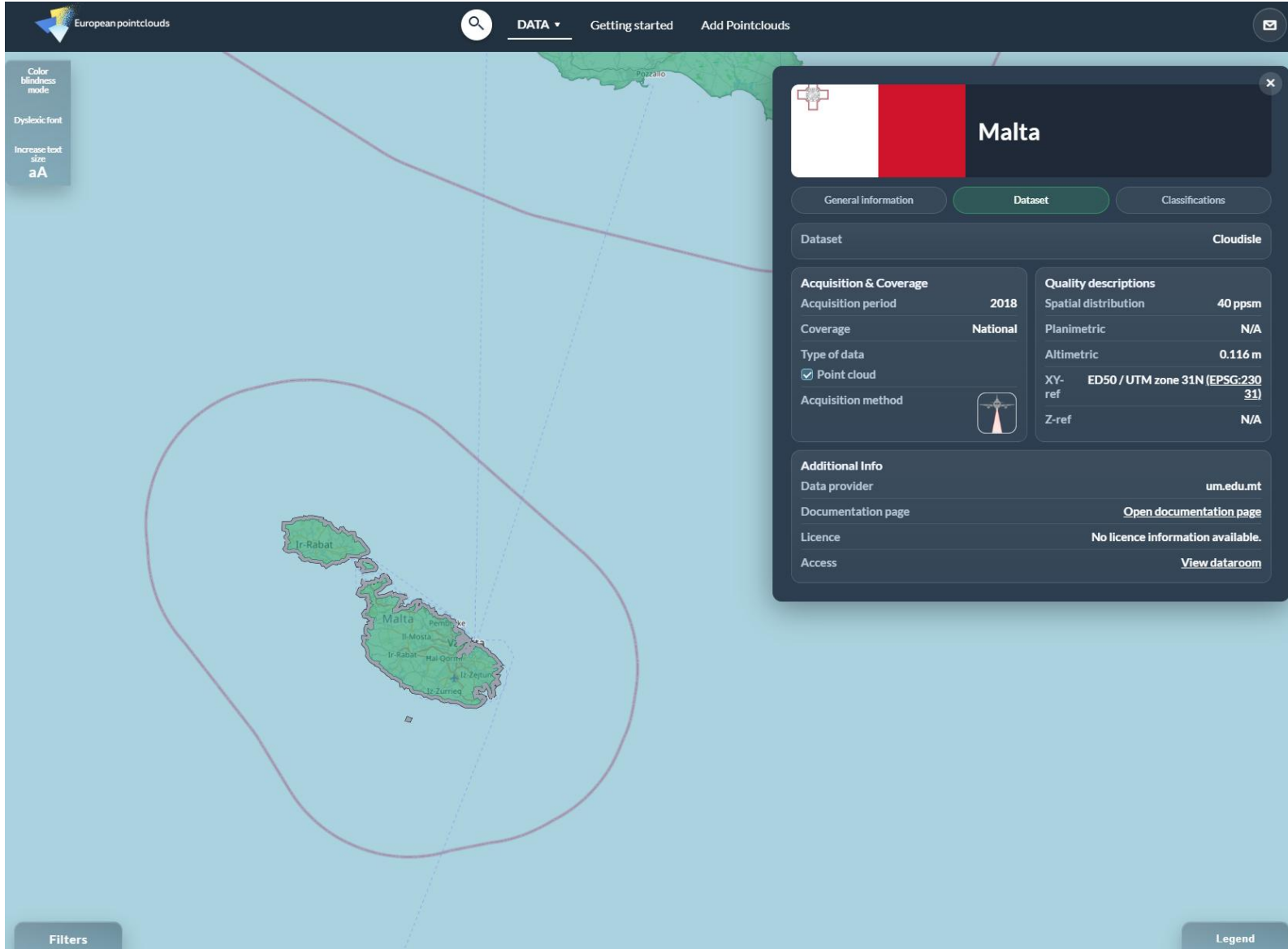
Effect van filteren



Overzicht van Nederland



Land viewer



Kleinste nationale puntenwolk van Europa

[DATA](#)
[Getting started](#)
[Add Pointclouds](#)

Color blindness mode

Dyslexic font

Increase text size

aA

Filters

Malta

General information

Dataset

Classifications

Dataset

Cloudisle

Acquisition & Coverage

Quality descriptions

Acquisition period

2018

Coverage

National

Type of data

☒ Point cloud

Acquisition method

Spatial distribution

40 ppsm

Planimetric

N/A

Altimetric

0.116 m

XY-ref

ED50 / UTM zone 31N (EPSG:23031)

Z-ref

N/A

Additional Info

Data provider

um.edu.mt

Documentation page

[Open documentation page](#)

Licence

No licence information available.

Access

[View dataroom](#)



European Spatial Data Research

February 2026

Point Cloud Dialects in Europe:
Review of Point Cloud Datasets and
their Quality Descriptors in Europe –
towards greater Uniformity

Joint Research of Rijkswaterstaat,
3D Geoinformation Research Group (TU Delft),
het Waterschapshuis and EuroSDR

Daan van der Heide, Jantien Stoter,
Tessa Eikelboom, Jeroen Leusink

Official Publication N° 78

Cloudisle

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[PHASE 1](#)
[WORLD'S APART](#)
[RESOURCES](#)
[ABOUT](#)
[CONTACT](#)

Pointcloud Visualisations of Real Space

Malta 3D LiDAR Realisation

[WELCOME](#)

Rijkswaterstaat

18



Welkom in Malta

Data catalogus voor snel zoeken



Point Cloud Catalogue

Find your dataset here from all currently available European datasets. There are 145 datasets available in 45 unique nations.

Country	Scope	Data name	Type	Year	Spatial distribution	Planimetric	Altimetric	Classification present	Datamodel
Albania	National	Albania	-	-	-	-	-	X	-
Andorra	National	Andorra	-	-	-	-	-	X	-
Austria	Burgenland	Burgenland	Point cloud based Digital Elevation models	2019	-	0.15	0.075	X	Link to local dataset
Austria	Kärnten	Kärnten	Point cloud based Digital Elevation models	2006 - 2015	-	0.2	0.075	X	Link to local dataset
Austria	Kärnten	Kärnten	Point cloud based Digital Elevation models	2022 - 2023	-	0.2	0.075	X	Link to local dataset
Austria	Niederösterreich	Niederösterreich	-	-	-	-	-	X	Link to local dataset
Austria	Oberösterreich	Oberösterreich	-	-	-	-	-	X	Link to local dataset
Austria	Salzburg	Salzburg	Point cloud based Digital Elevation models	2016 - 2021	4 ppm to 16 ppm	-	-	X	Link to local dataset
Austria	Steiermark	Alpine Laser scanning Höhendaten	Point cloud	2017	-	0.15	0.04	X	Link to local dataset
Austria	Tirol	-	Point cloud	2006 - 2010	1 ppm to 4 ppm	0.15	0.1	X	Link to local dataset
Austria	Tirol	-	Point cloud	2017 - 2023	8 ppm	0.15	0.1	X	Link to local dataset
Austria	Vorarlberg	Vorarlberg	-	-	-	-	-	X	-
Austria	Wien	Stadtplan3D	Point cloud	2007	15 ppm	0.15	0.1	X	Link to local dataset
Austria	Wien	Stadtplan3D	Point cloud	2020	15 ppm	0.15	0.1	X	Link to local dataset
Austria	Wien	Stadtplan3D	Point cloud	2023	15 ppm	0.15	0.1	X	Link to local dataset
Belarus	National	Belarus	-	-	-	-	-	X	-





Track 4: *European Pointcloud Portal*

Daan van der Heide
AHN congres 2026



Contact info

LinkedIn



European pointclouds

