

# BeGeo 2024

LA CONNEXION A L'ETAT PUR  
DE ULTIEME CONNECTIE



## Open Maps For Europe 2

Authoritative High-Value Pan-European Free-to-use, Edge-Matched Data  
under a Single Open License at 1:10.000 and smaller

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[begeo.be](https://begeo.be)

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HEXAGON



# Overview

1. Open Maps for Europe (OME)
2. Open Maps for Europe 2 (OME2)
  - Goals
  - Production process
  - Specification
  - Results prototype
  - Cadastral map
3. Questions ?



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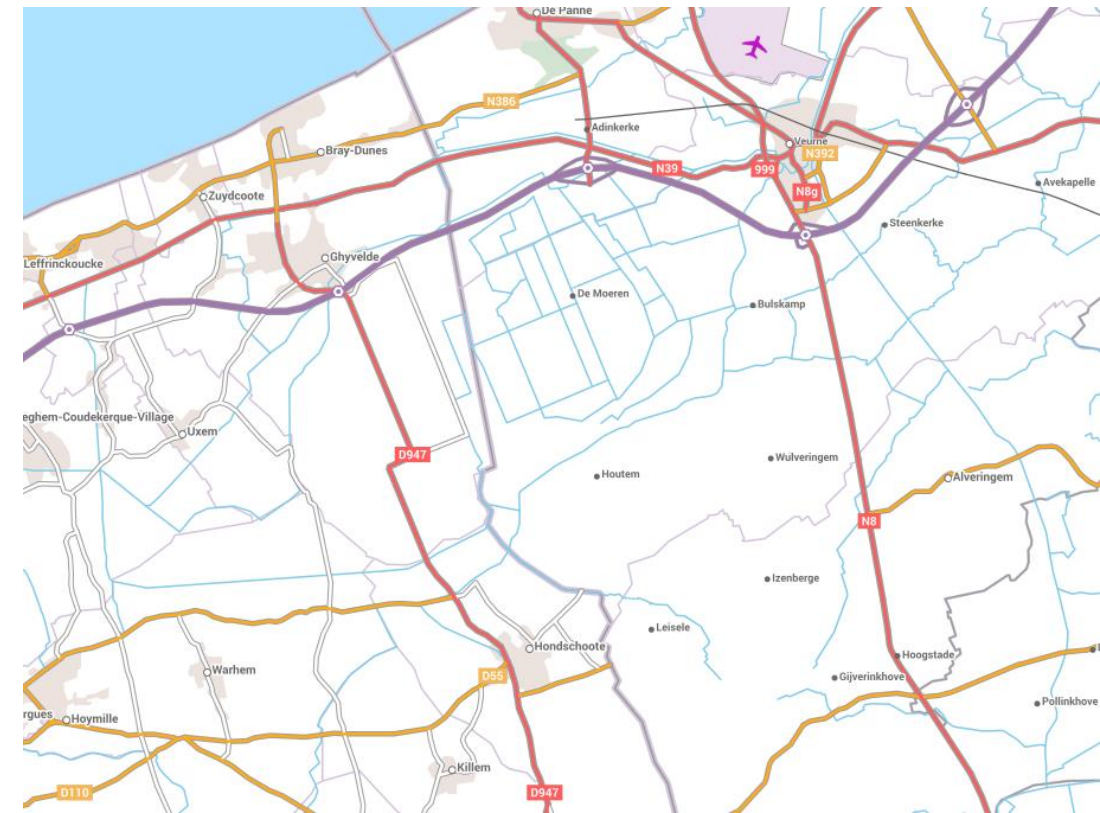
# Open Maps for Europe (OME)



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# Open Maps for Europe

- Project: jan 2020 - dec 2022
- Goal: providing easy access to harmonized, edge matched pan-European open data
- Currently 6 dataset available
  - EuroGlobalMap → 1:1.000.000
  - EuroRegionalMap → 1:250.000
  - EuroDEM → 1:100.000
  - Open Cadastral Map (prototype)
  - Pan European Imagery (10 meter resolution)
  - Open Gazetteer (geographical names)
- Metadata available on the European data portal and on [geo.be](https://www.geo.be)



<https://www.mapsforeurope.org/>



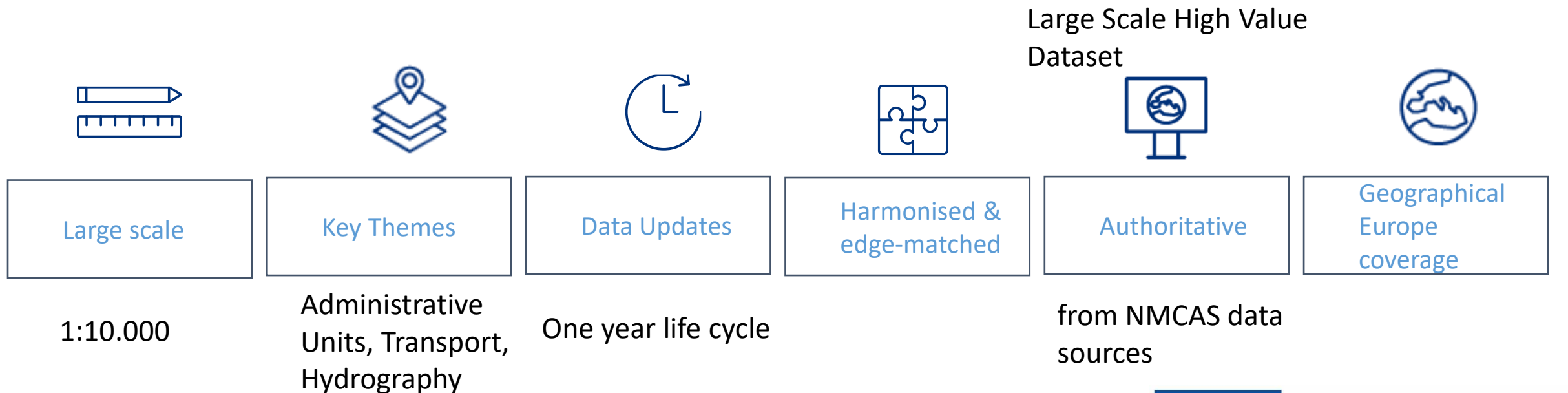
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# Open Maps for Europe 2 (OME2)



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# OME2 – user requirements (European)



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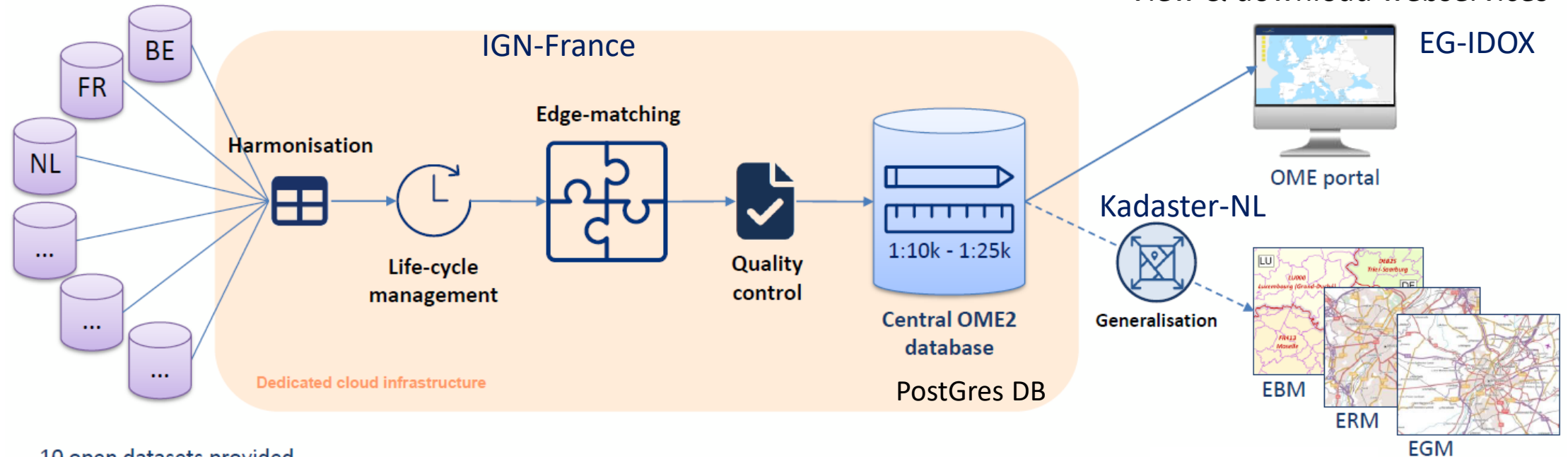
# Goal: sustain – enhance – extend OME

- Enhancements to existing OME maps in the mapviewer (cadastral maps and pan-European datasets)
- Extend the coverage of the cadastral map to other countries (at least 10)
- A first dataset: harmonised and edge matched ‘Large Scale High Value’ data (for 10 countries, 3 themes: Administrative units, transport, hydro)
- Large Scale High Value dataset: Make it free-to-use- under a single open licence
- Large Scale High Value dataset: New production process and technical specifications (UNGGIM core data specs)
- Infrastructure, process and tools might be made available for members, partners or key stakeholders



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# Production process: centralised



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# Specifications: INSPIRE-Like, UNGGIM core data

3 main objectives (by priority) :

1. Compliancy with UN-GGIM : Europe Core spatial data
2. Compatibility with product specifications ERM/EBM
3. Compliancy with data sources and user needs

Main characteristics for the first version prototype:

- Provide what is available (no specific selection or capture criteria)
- From INSPIRE to a PostGIS Data schema (flatten)
- Features and attributes are INSPIRE compliant + possibility to extend to national code list

road_service_area	
Definition	Spatial object annexed to a road and devoted to offer particular services for it. They may be bus station, parking, rest area, toll, electric car (loading) station...
INSPIRE feature type	Road Service Area
Geometry	MultipolygonZ (GM_MultiSurface)
Capture criteria	What is available in the data sources
Attributes:	
type	Type of road service area.
	Data type: Character string
	Code list: roadServiceTypeValue * bus_station * parking * rest_area * toll * electric_car_loading_stations * void_unk ( <i>unknown, unpopulated, not applicable, no value</i> ) * void_[free text] ( <i>national code list</i> )
name	Geographical name of the road service area
	Data type: JSON array of the attributes value of Geographical Name ( see chapter 3.6)



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# Results

- First prototype for user feedback and analysis: release end of March
  - 3 countries (BE, FR, NL)
  - 2 themes (Administrative units, TRANS)
- End of project: fall 2025
  - Goal: at least 10 countries
  - 3 themes (Administrative units, TRANS and HYDRO)

<https://www.mapsforeurope.org/>



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A detailed map of the Leuven region in Belgium. The map shows a dense network of roads, with major roads highlighted in red and orange. Numerous road numbers are visible, including N26, N286, N229, N19e, N2, N292, N264, N251, N25, N234, N3, and N223. The map also shows various towns and villages such as Wespelaar, Wakkerzeel, Rotselaar, Wezemaal, Rot, Nieuwrode, Houwaart, Sint-Pieters-Rode, Kortrijk-Dutsel, M, Holsbeek, Herent, Wilsede, Kessel-Lo, Linden, Lubbeek, Peltenberg, Pellenberg, Karbeek-Lo, Lovenjoel, Kerko, Butsel, Roosbeek, Boutersem, Verrijk, Neervelp, Bierbeek, Blanden, Haasrode, Vaalbeek, Oud-Heverlee, Korbeek-Dijle, Oud-Heverlee, Leefdaal, Bertem, Heverlee, Everberg, Meerbeek, Winksele, Veltem-Beisem, Winksele, Wilder, Tildonk, Winksele-Delle, Kelfs, and Neerijse.

<https://www.mapsforeurope.org/>

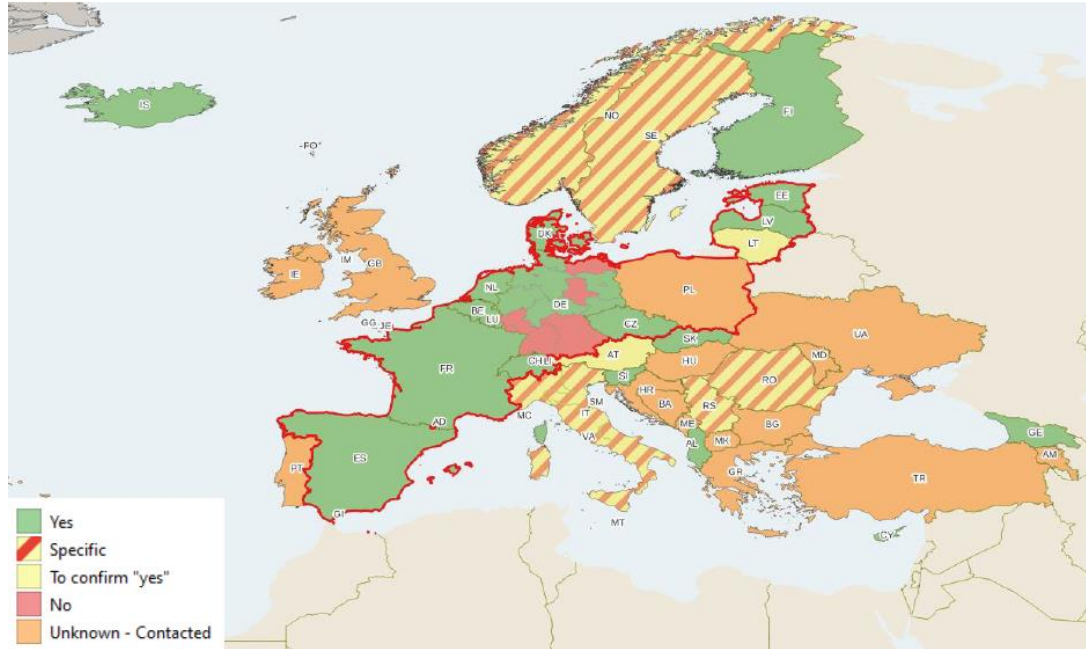


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19/03/2024 - Brussels Expo

# Possible extension in the framework of the OME2 project



## Database extension

- Data received for CH, CY, CZ, DK, LU
- Next countries to be integrated: LU and CH
- Focus: prototype containing a 10-country continuous area from Spain to Estonia



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# Cadastral map

- Showcase cadastral data: administrative units, cadastral parcels buildings, and addressesView service + getfeatureinfo
- + Gateway to national cadastral geoportals
- Now available for 6 countries, soon to be 10



## Identify Feature

**cadastral\_cadastralparcel.fid-**  
379fb891\_18e420ee621\_a50

**gml\_id**  
nl-imkad11470860670000

**localid**  
cp11470860670000

**namespace**  
nl-imkad

**label**  
8606

**nationalcadastralreference**  
Amsterdam | 8606

**areavalue**  
46.0

**areavalueuom**  
m2

**validfrom**  
2007-01-11

**beginlifespanversion**  
2007-01-11T15:07:43Z

**cadastral\_buildingpart.72887191**

**uid**  
72887191



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# Questions?

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