





OME2 users requirements workshop



Contents

- 1. The OME2 high-value large-scale prototype production process
- 2. Progress since January 2023





Objectives

To set up a workflow to create and maintain:

- ➤ A central pan-European high-value large-scale prototype (HVLSP)
- 3 themes:
 1-Administrative units; 2-Transport network; 3-Hydrography
- ➤ 10 countries by 2025
- Common data model based on UN-GGIM: Europe
- Geometrical and topological consistency across international boundaries
- Life-cycle management (from the creation of the database)

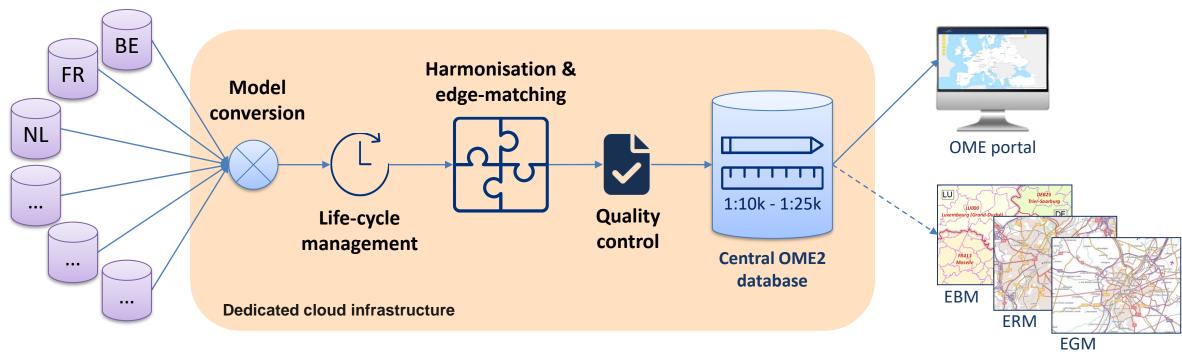
By the end of 2023:

- > 3 countries: BE, FR, NL
- 2 themes: AU and TN





Future production process



Short term -----> get data from NMCAs Long term (after OME2) --> automatic harvesting and/or upload portal





The OME2 approach

- Centralised process: implementation, maintenance & production are handled by the project.
- ➤ Little intervention required from national producers
- Re-use of the results from previous projects:
 - Data model → UN-GGIM: Europe working group on core data
 - Tools → ELF, ESDIN, EuroGeographics production tools
- > A **technical** and **practical** approach to harmonisation:
 - Iterative approach taking into account feedback from users;
 - Technical (not political) solutions;
 - Highly automated;
 - All the available data is integrated (knowing that there will be discrepancies between countries).





Work plan

2023

- First version of the HV LS prototype (3 countries, 2 themes)
- Technical documentation
- Tool prototypes
- First inventory of available open data

2024

- Consolidation of the tools
- Implementation of the update process (life-cycle management)
- Coverage/theme extension
- Cloud infrastructure

2025

- Full dataset covering 10 countries and 3 themes
- Operational update process
- Feasibility studies completed
- Plan for the future (improvements and coverage extension)





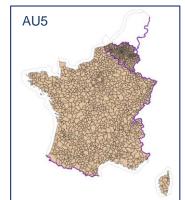
1. Administrative Units theme

Current status of the OME2 HV LS prototype:





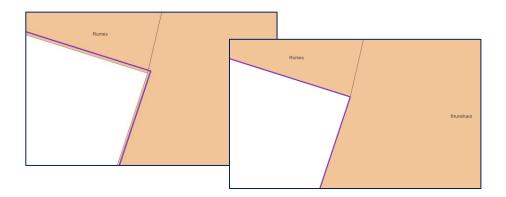








- ✓ Technical boundaries calculated and agreed upon between the 3 countries
- Data from the 3 pilot countries converted to the OME2 data model (1 table per administrative level)
- Edge-matching performed along the technical boundaries





2. Transport Network theme

Expected content (UN-GGIM recommendations):

Road transport

- road links
- road nodes (interchanges, level crossings...)
- marker posts
- road services
 (rest areas, bus stations, parking lots...)

Rail transport

- railway links
- railway stations

Air transport

- aerodromes
- runways

Water transport

- ports
- ferry crossings

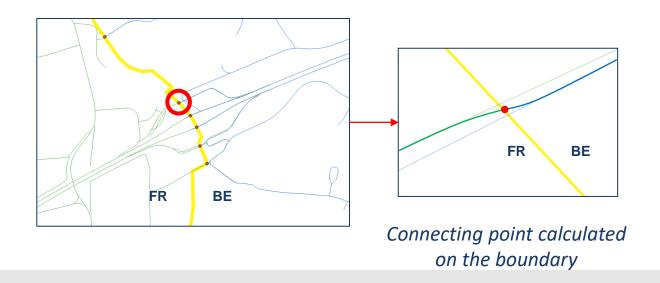


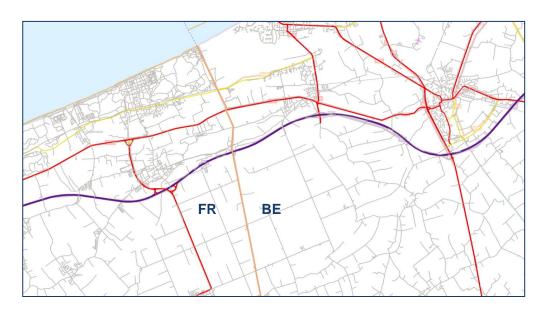


2. Transport Network theme

Current status of the OME2 HV LS prototype:

- Model conversion done for 75% of the data (BE, FR, NL)
- > Edge-matching underway for road and railway links:
 - Clean duplicated networks around boundaries,
 - Ensure network connectivity on intermediate locations.







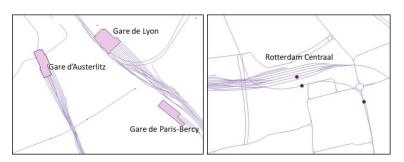


Open questions

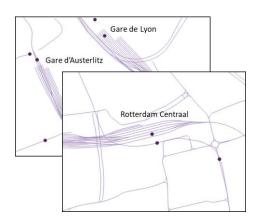
- ➤ What is our target in terms of harmonisation?
 - 1. Harmonise but keep the data as accurate as possible?
 - 2. Ensure common representations across Europe?
 - 3. Reflect national discrepancies?
 - 4. ...?

Example: railway stations are portrayed as areas in FR but as points in NL

<u>**Option 1:**</u> keep both representations in two separate tables

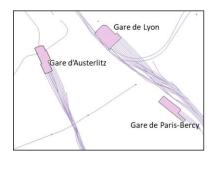


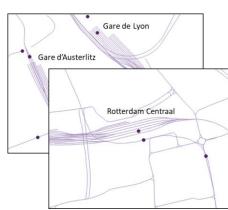
<u>Option 2:</u> simplify FR geometry to have a single representation in a single table



We need to know how you plan to use the data in order to better address your needs!

<u>Option 3:</u> include both representations for FR and only points for NL







Thank you for your attention!

Contact: noemie.gremeaux@ign.fr

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