



INTEGRATION OF ERM DATA IN CARTOWEB.BE

A CROSS-BORDER CARTOGRAPHY

NGI
Nationaal
Geografisch
Instituut



IGN
Institut
Géographique
National

CartoWeb.be : What is it?

WMTS – WMS

Free – Update every 2 months

11 scale levels

1:2 500

1:4 000 000

Topo

Overlay

4 scale levels

1:2 500

1:25 000

Smooth transition
Coherence

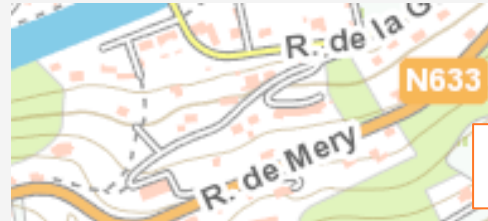
Developed for the screen

Derived from the most
up-to-date data
+
Street Names

PAPER



SCREEN



CartoWeb.be : What is it?

- 1:4 000 000
- 1:2 000 000
- 1:800 000
- 1:500 000
- 1:250 000
- 1:100 000
- 1:50 000
- 1:25 000
- 1:10 000
- 1:5 000
- 1:2 500

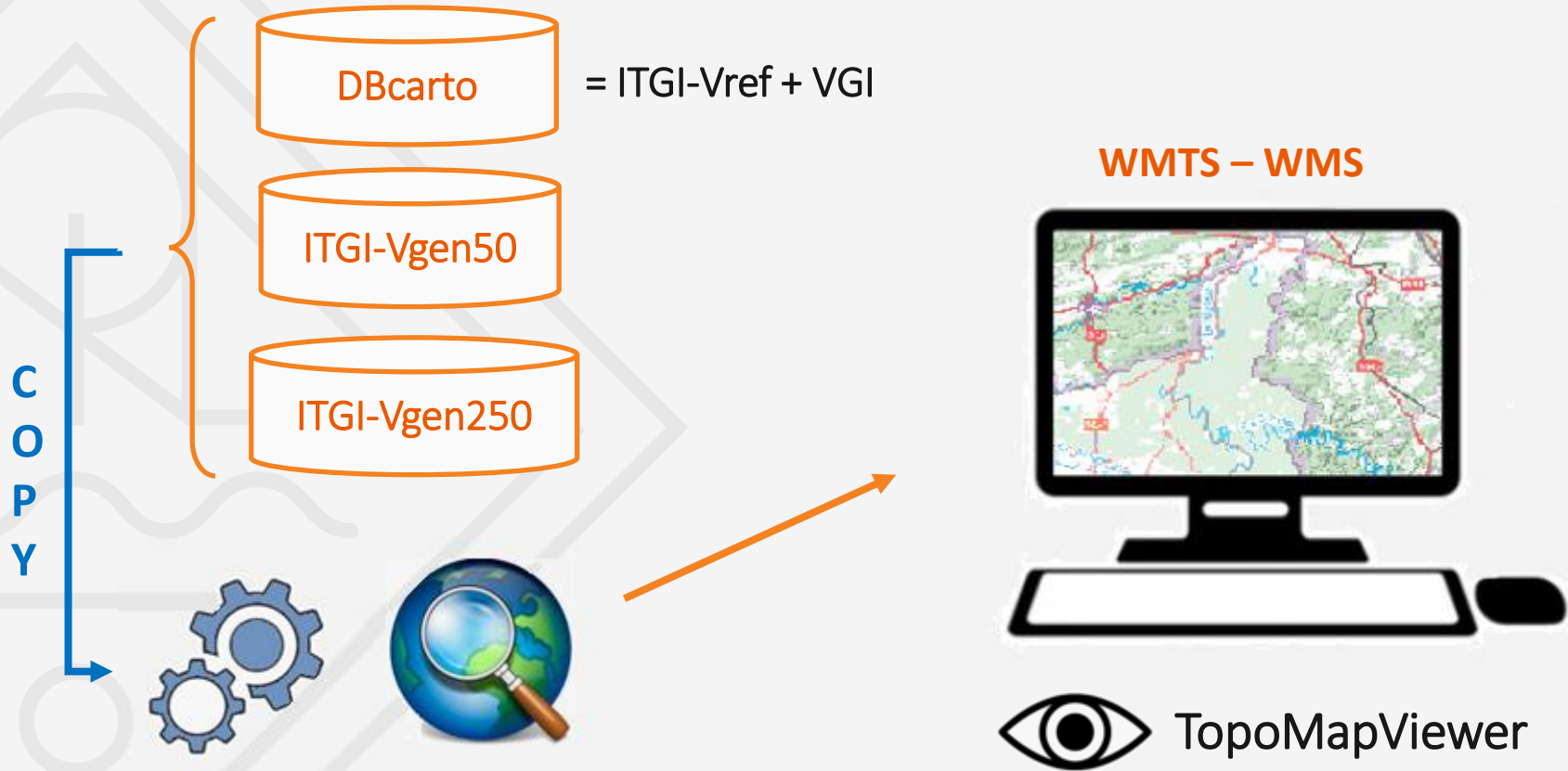


All Belgium on the screen (mobile device)



Greatest scale – Plan with streetnames

CartoWeb.be : What is it?



CartoWeb-CrossBoarder Project

- 1:4 000 000
- 1:2 000 000
- 1:800 000
- 1:500 000
- 1:250 000
- 1:100 000
- 1:50 000
- 1:25 000
- 1:10 000
- 1:5 000
- 1:2 500

CrossBoarder

TOPO

OVERLAY

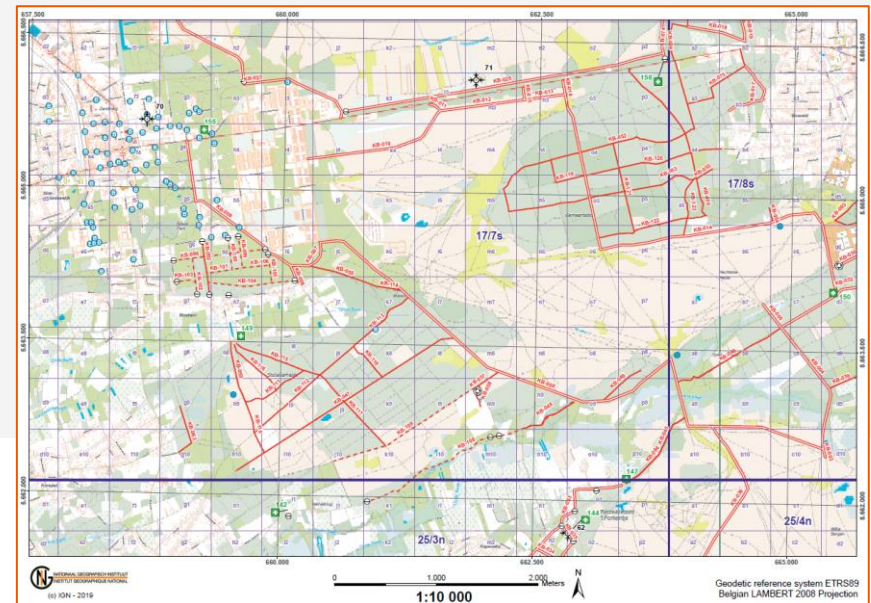
PROJECT :

- Not yet in production
- Planned for end 2020
- Only for smallest scales

CartoWeb-CrossBorder Project

WHY ? :

- Belgium is not an island !
- CW = Authentic source **AND** Background for emergency maps



CartoWeb-CrossBoarder Project

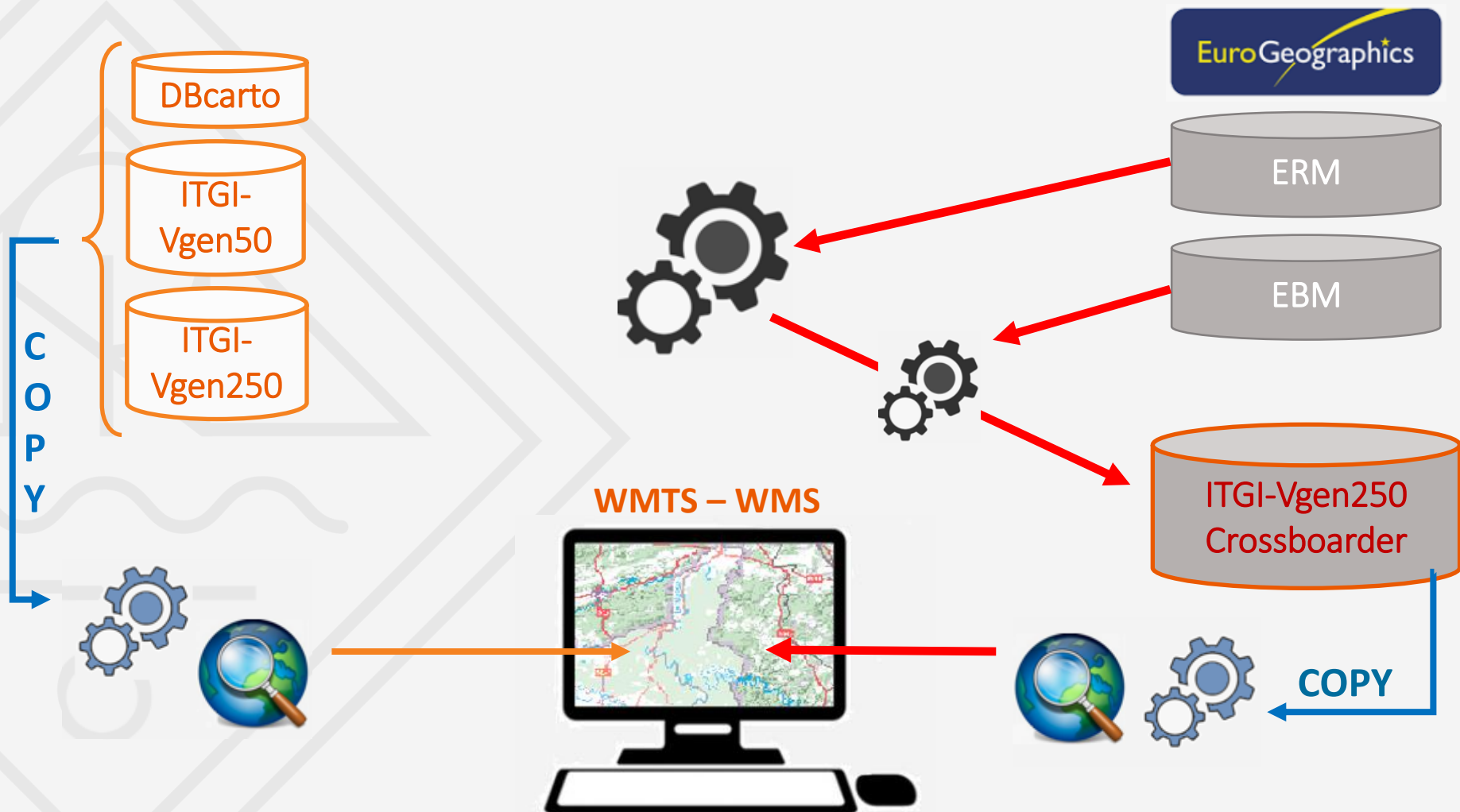
WHAT ? :

- Use of ERM Data – © EuroGeographics
- Update : 1/year



Symbolization tricks/choices
Treatments on ERM Data

The ERM data used as source



Post-processing of the ERM data

How ?

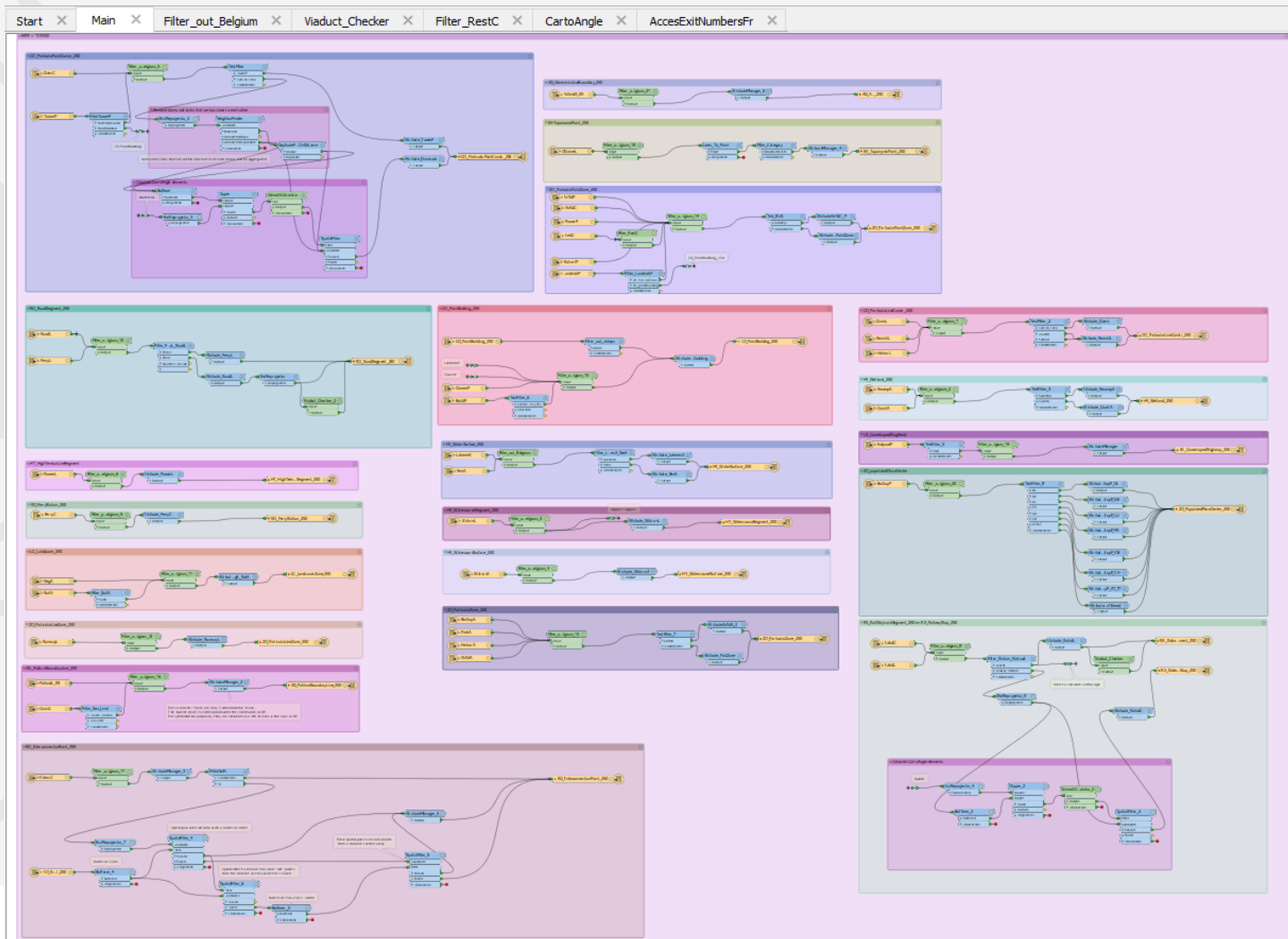
1. Use of a FME workbench to
 - Transform the data to our national data model
 - For symbolization purposes: some additional (automated) adjustments
2. Use of ArcMap to
 - Thin watercourse segments by using the "thin road network" tool

Post-processing of the ERM data

Advantages / difficulties ?

- + Edge matched dataset
- + Same datamodel for all countries
- + Same minimum specifications
- Level of detail can differ between countries
- Differences in attribute values (e.g. for road access/exit points)

Post-processing of the ERM data



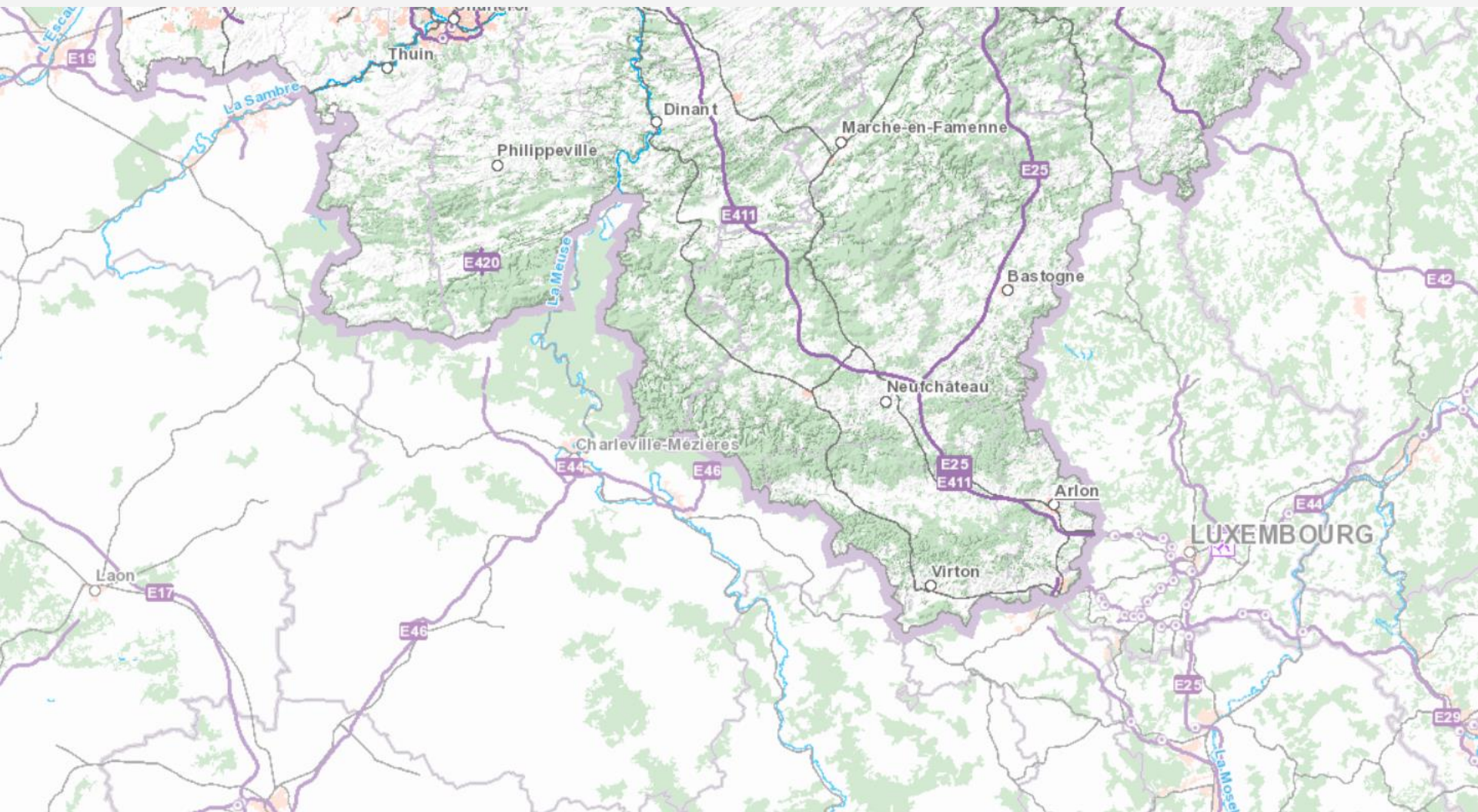
The intermediate results



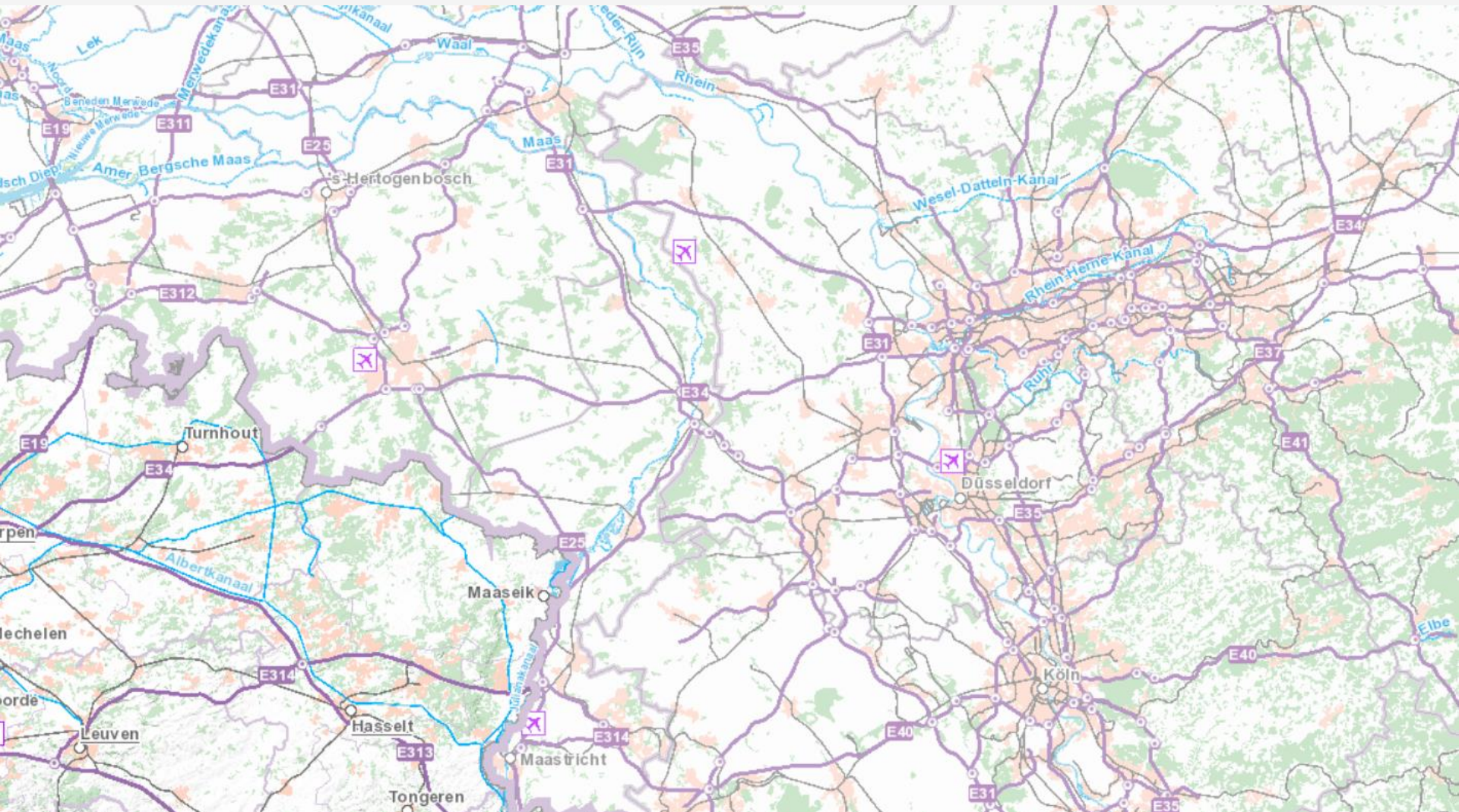
The intermediate results



The intermediate results



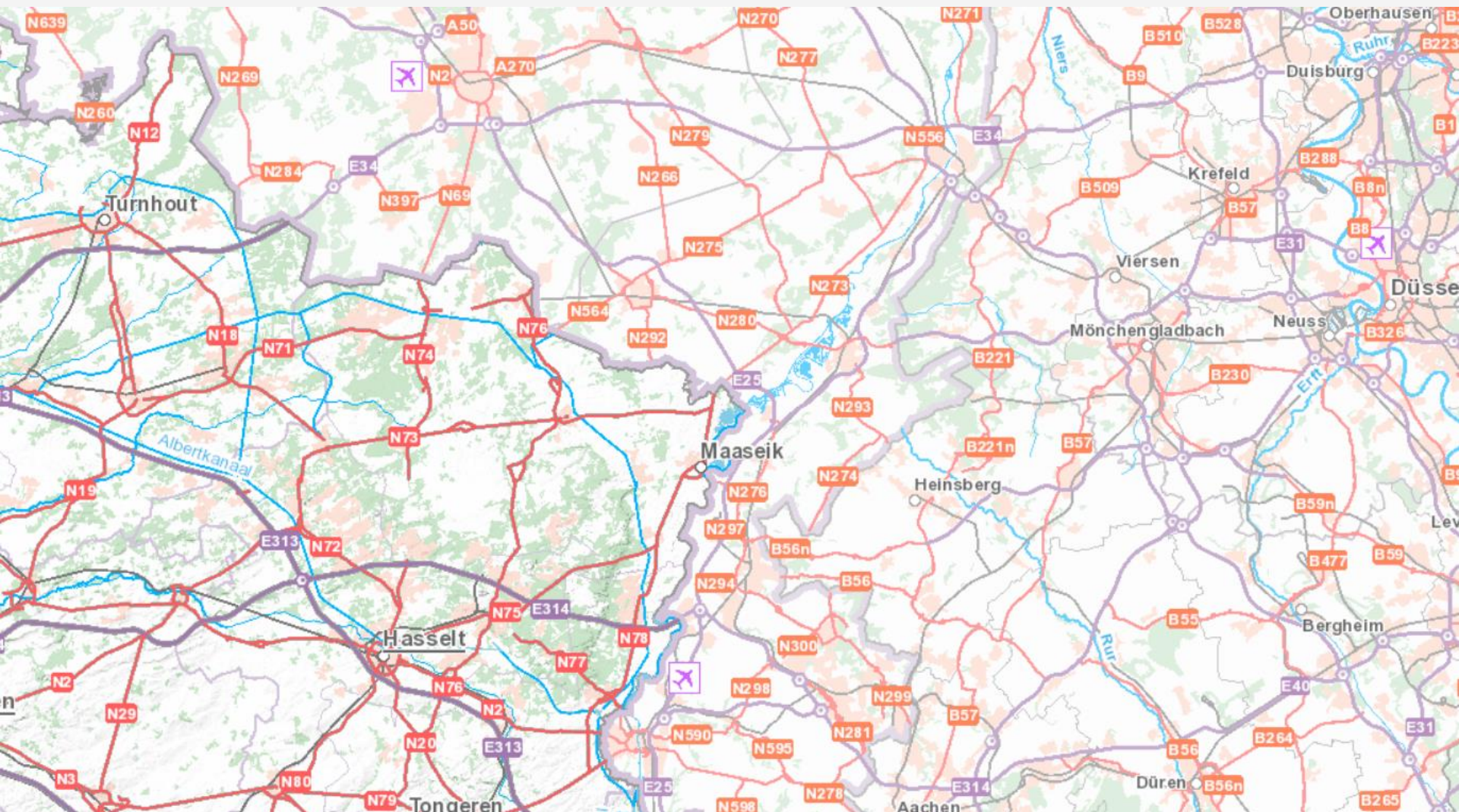
The intermediate results



The intermediate results



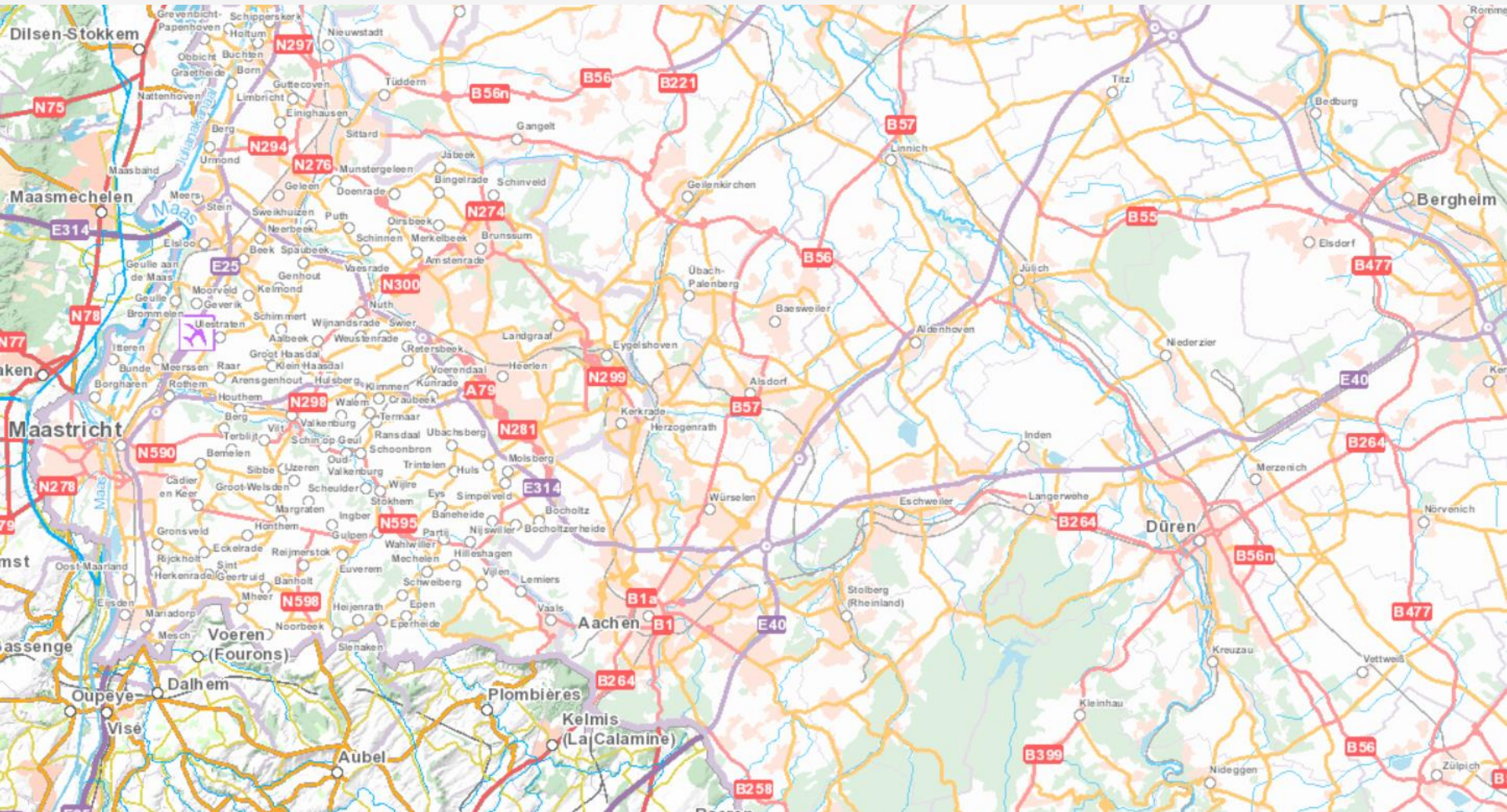
The intermediate results



The intermediate results



The intermediate results



The intermediate results



The intermediate results

