

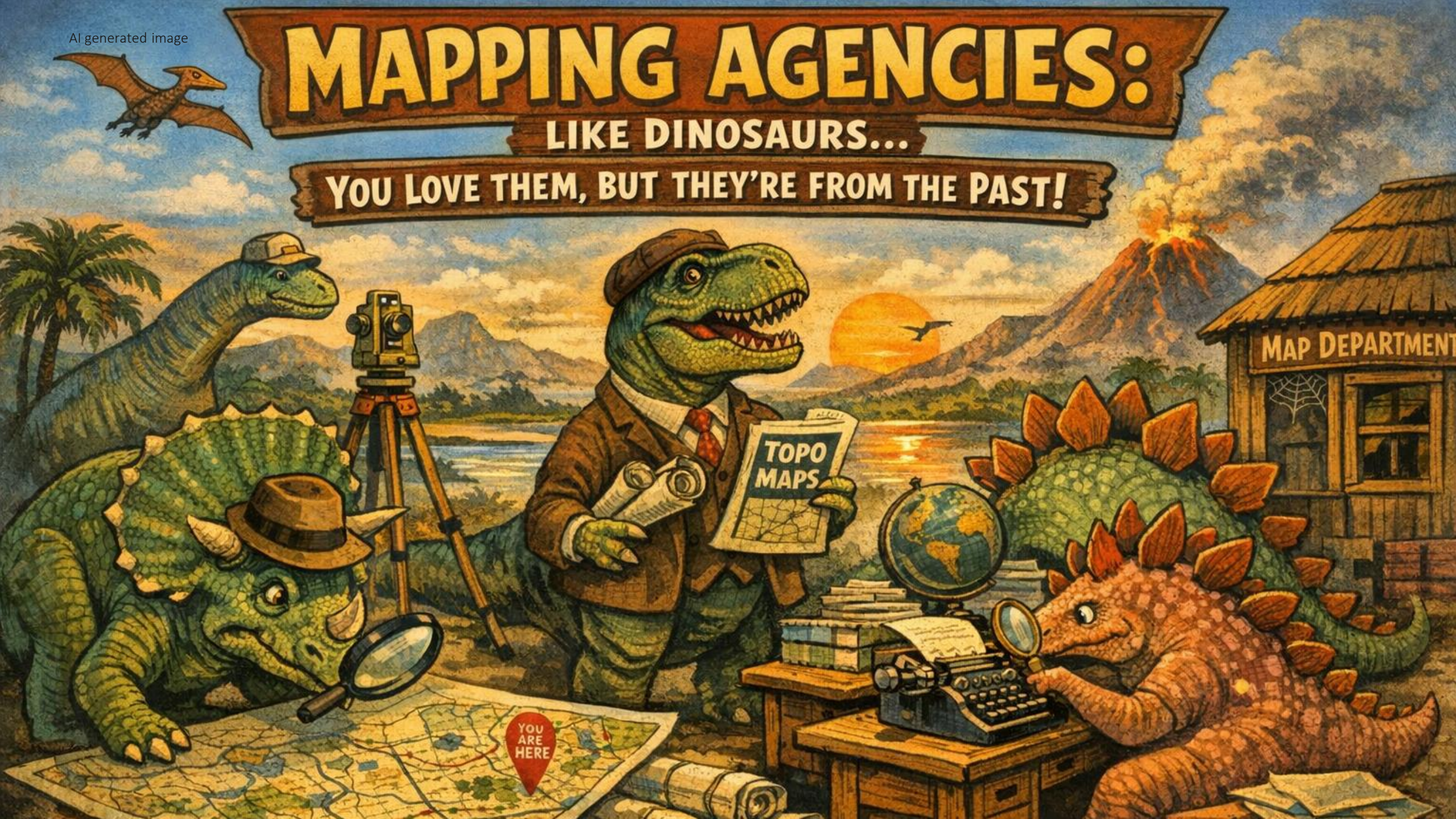
**DEEPLY ROOTED IN HISTORY.
YOUNGER THAN EVER.
READY FOR THE FUTURE.**



MAPPING AGENCIES:

LIKE DINOSAURS...

YOU LOVE THEM, BUT THEY'RE FROM THE PAST!

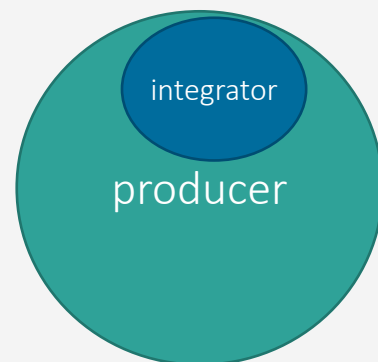
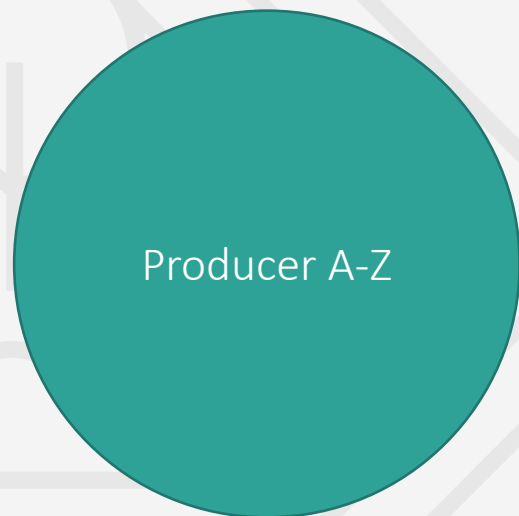


GEODATA AS A PUBLIC SERVICE

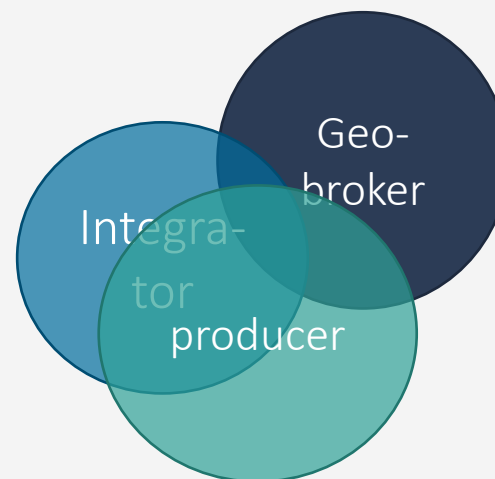


NGI

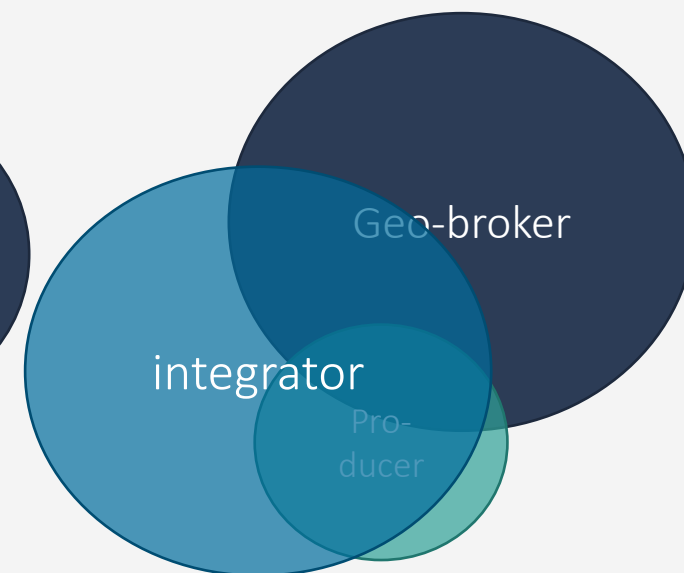
What is our vision?



ITGI



Strategy 2020

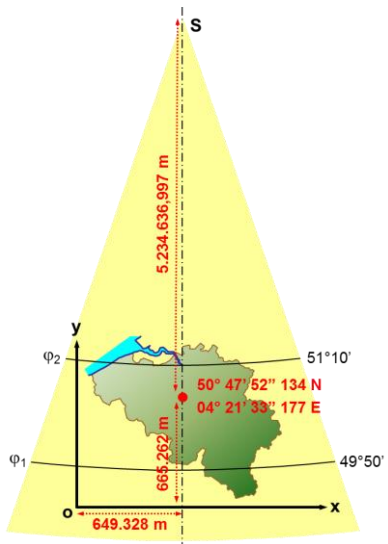


Vision 2030



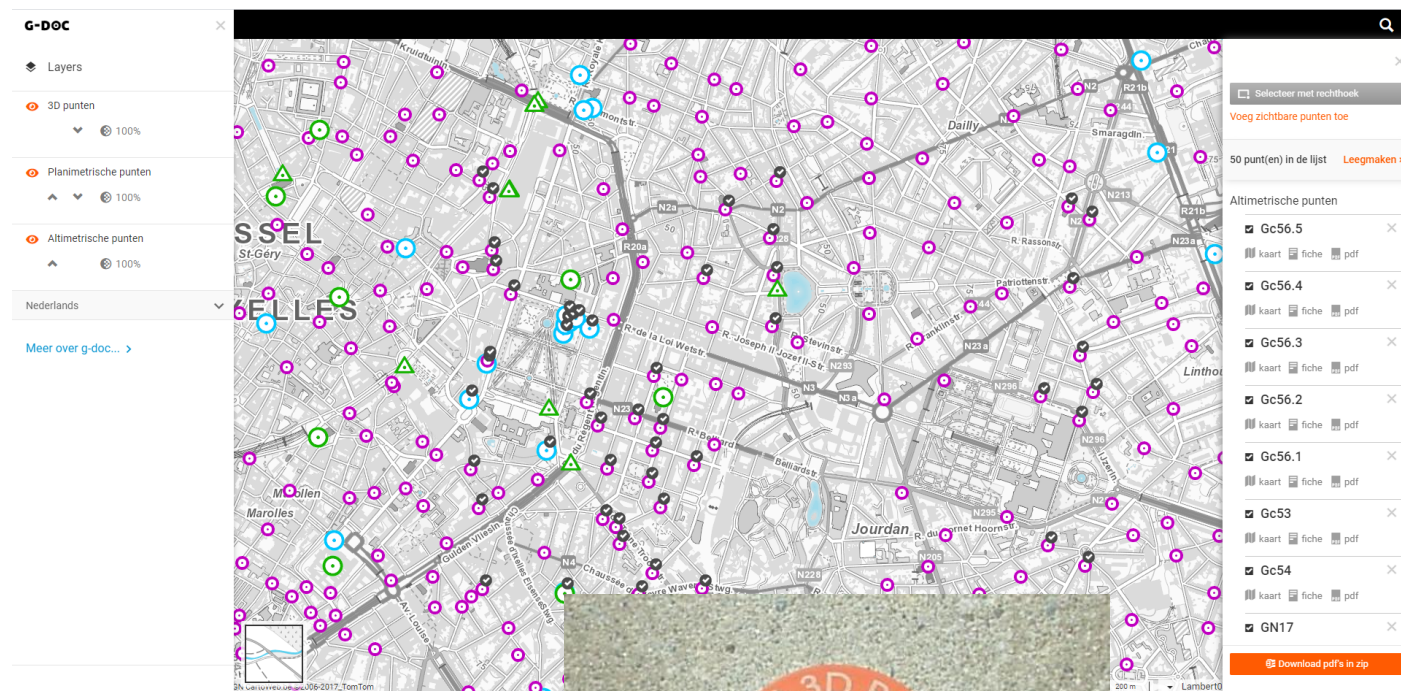
DATA PROVISION

THROUGH INTEGRATION AND PRODUCTION



GEODESY

Definition and Maintenance of the geographic reference system for Belgium



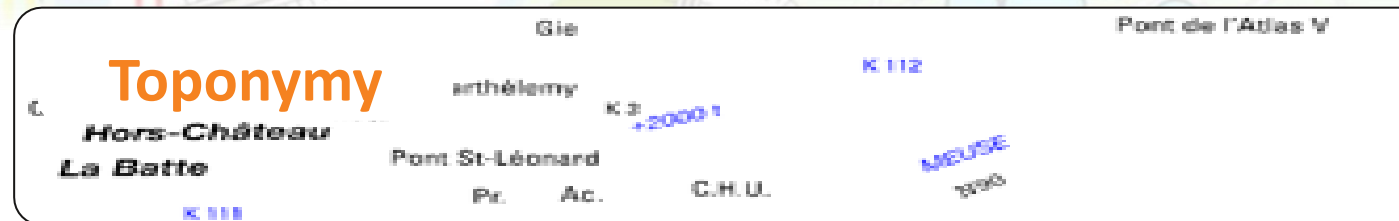
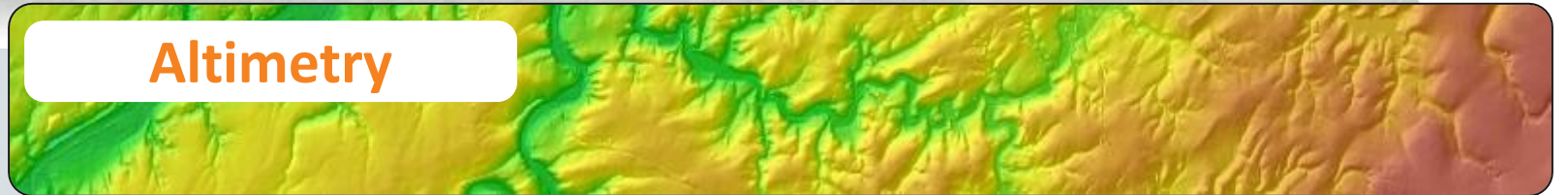
Production of topographic reference data for Belgium

Orthos & photos

Altimetry

Reference data

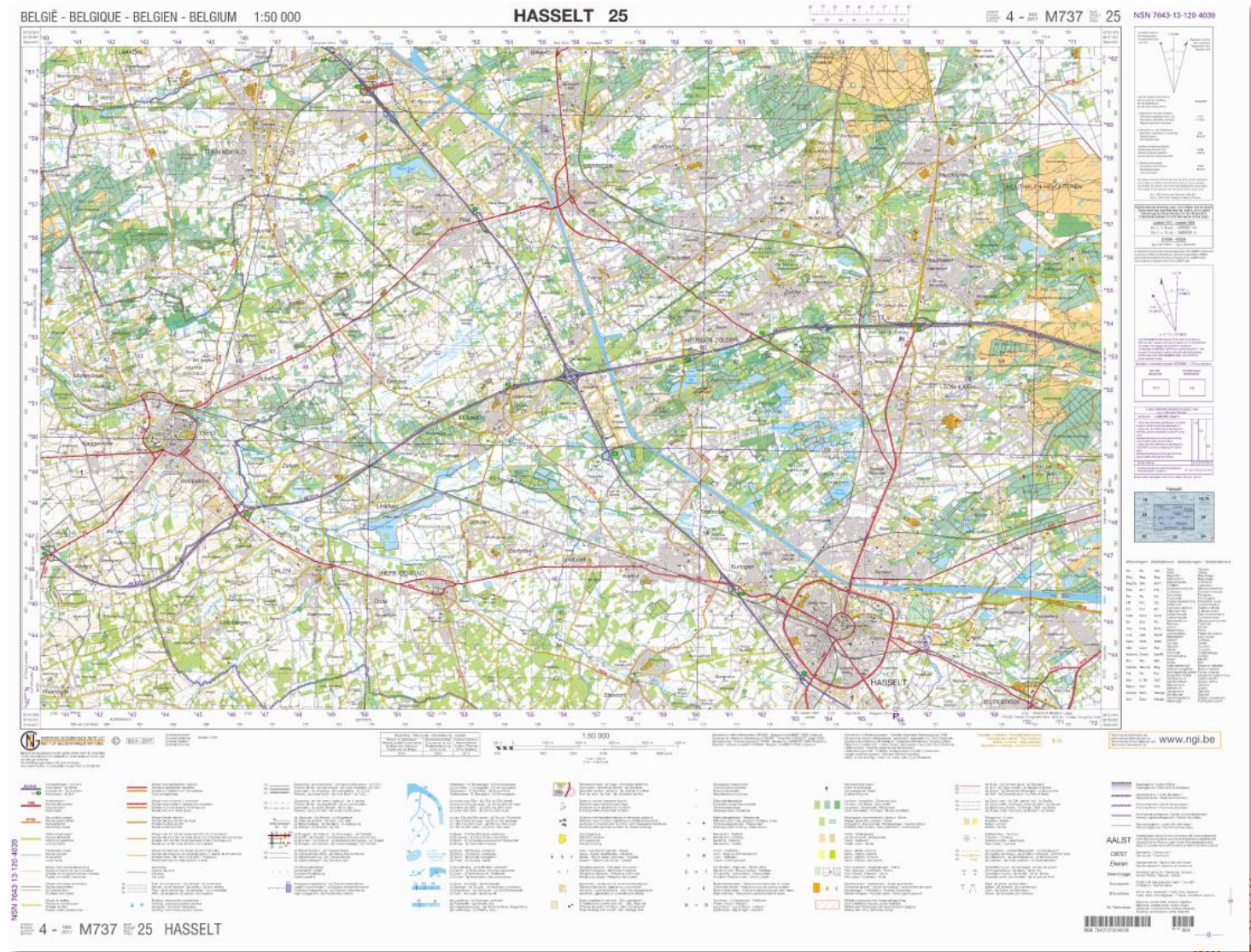
Toponymy



Topographical maps

Traditional printed maps

- Topo25
- M737 – Topo50
- M534 – Topo250



CARTOGRAPHIC APPLICATIONS

Thematic maps

Tourist maps



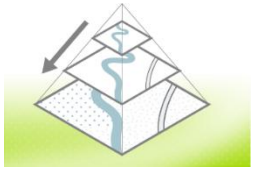
Technical maps



CARTOGRAPHIC APPLICATIONS

CartoWeb.be

- Multi-scale web-map
- 11 levels 1:2500-1:4M



- Pre-cached raster tiles
- WMTS and WMS
- Several releases per year

More info:

www.cartoweb.be

www.geo.be



TopoMapView

NGI-IGN National Geographical Institute of Belgium

4,9★
20 reviews

Overheid

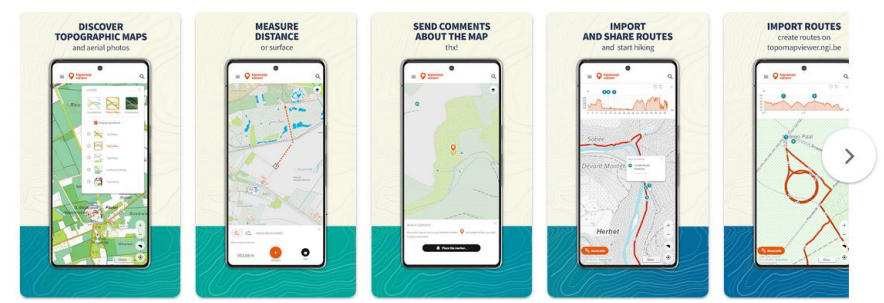
5K+
Downloads

PEGI 3

Installeren op meer apparaten

Delen

Deze app is beschikbaar voor sommige van je apparaten

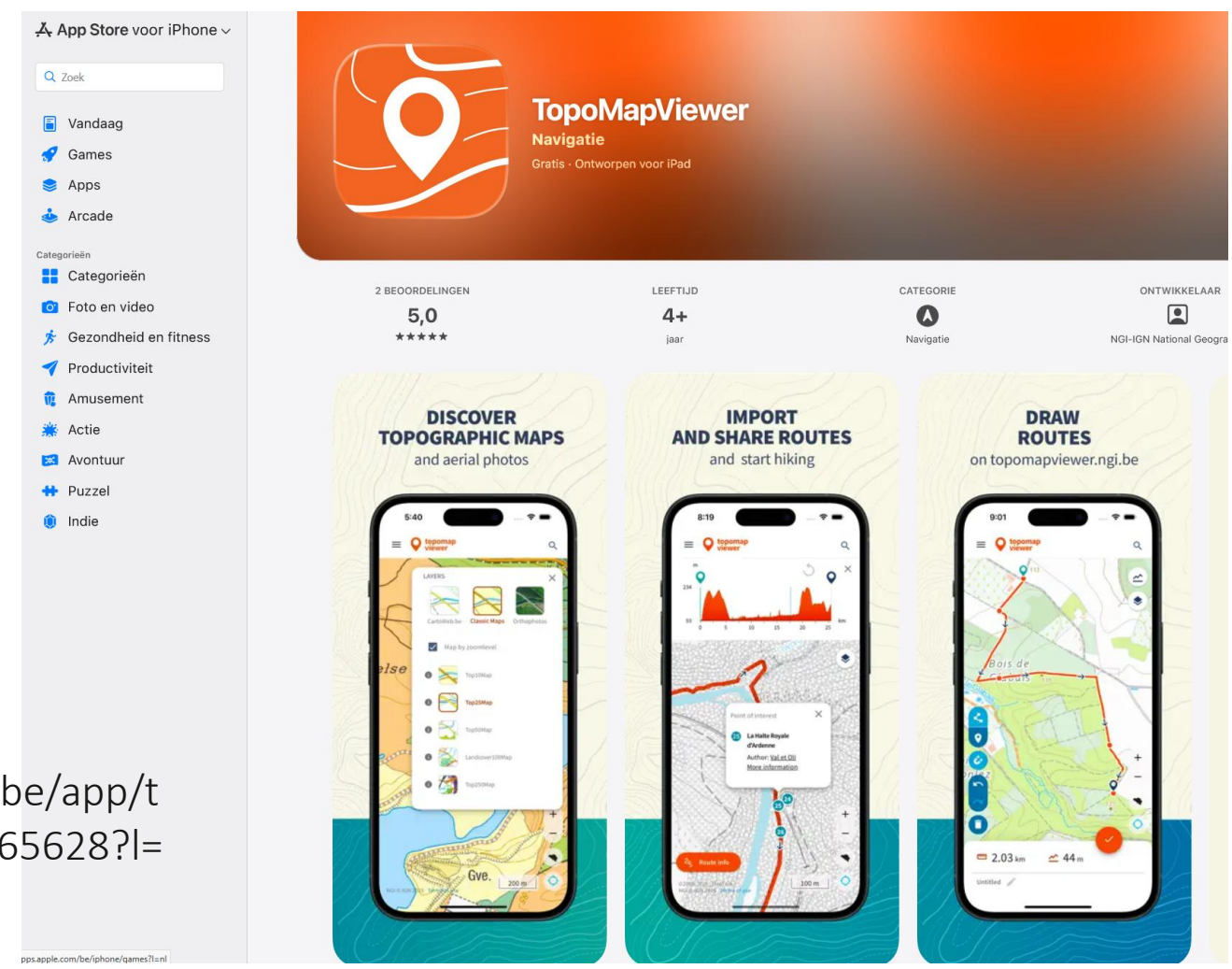


Veiligheid van gegevens

Veiligheid van gegevens begint met inzicht in de manier waarop ontwikkelaars je gegevens verzamelen en delen. Procedures voor gegevensprivacy en beveiliging kunnen variëren op basis van je gebruik, regio en leeftijd. De ontwikkelaar heeft deze informatie aangeleverd en kan die in de loop van de tijd updaten.

<https://apps.apple.com/be/app/topomapviewer/id6752865628?l=nl%20>

<https://play.google.com/store/apps/details?id=be.ngi.topomapviewer.twa&pli=1>



DIGITAL DATA (OPEN DATA)





NGI AS GEOBROKER

geobroker

What do we want to do?



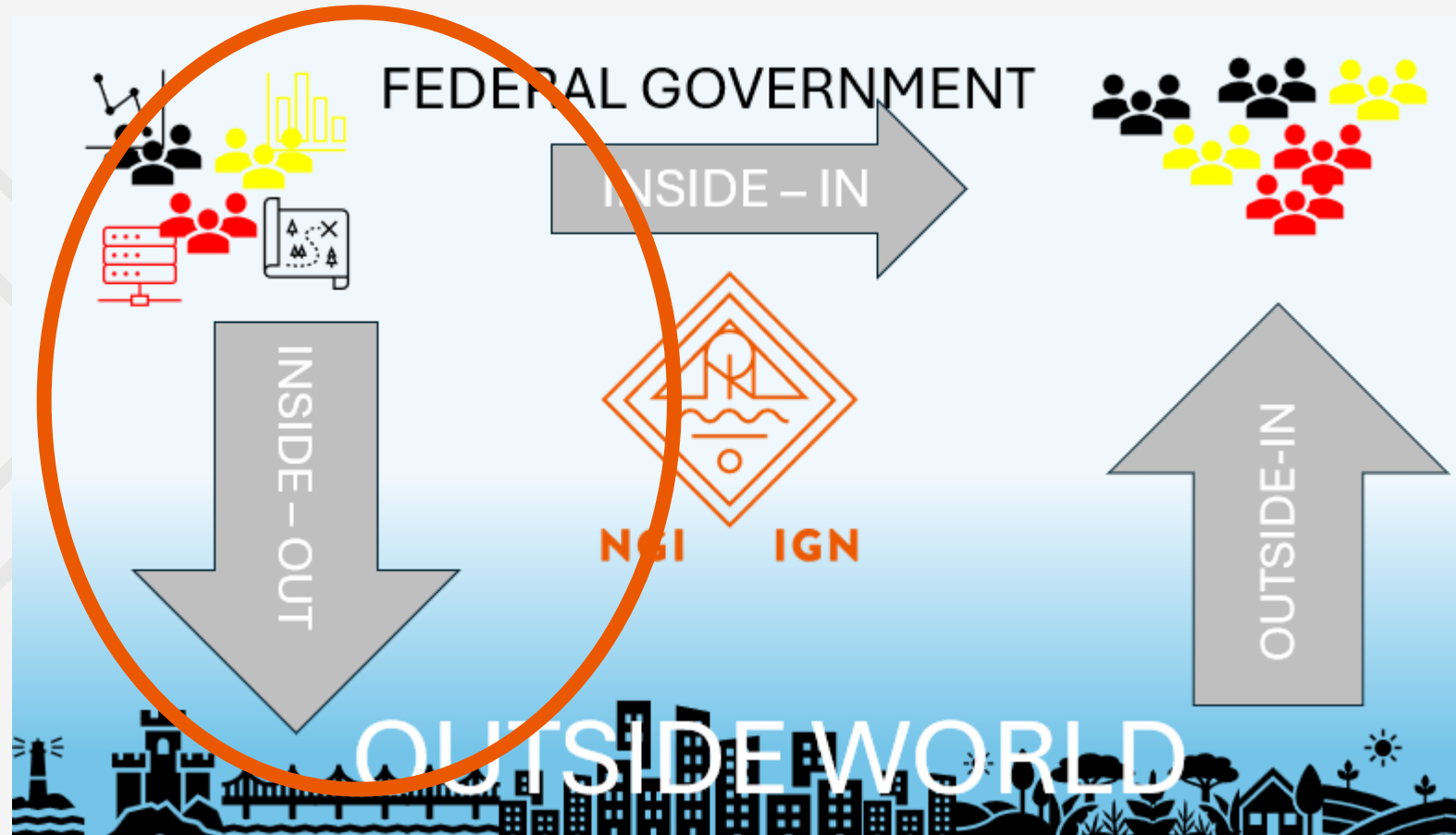
The National Geographic Institute is the recognised **geobroker** in Belgium for **geospatial information**, where stakeholders can easily benefit from the provision and use of geographic information.

Priority partners:

- Defence
- Emergency and Security management services
- Mobility
- Climate
- Other federal institutions

NGI

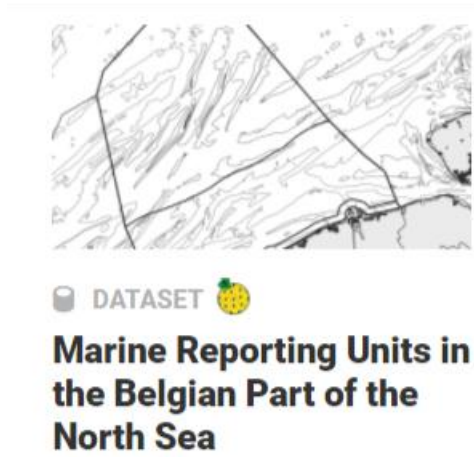
What is our vision?





Inhoud

- ✓ Datasets (136)
- ✓ Series (1)
- ✓ View services (31)
- ✓ Download services (19)
- ✓ Discovery services (2)
- ✓ Transformatie services (1)
- ✓ Papieren kaarten (6)



federal partner organisations

Nationaal Geografisch Instituut

Koninklijk Meteorologisch Instituut van België

Koninklijk Belgisch Instituut voor Natuurwetenschappen (KBIN), Operationele Directie Natuurlijk Milieu (OD Natuur), Belgian Marine Data Centre (BMDC)

Koninklijk Belgisch Instituut voor Natuurwetenschappen, Operationele Directie Natuurlijk Milieu, GeoCell

Intergewestelijke Cel voor het Leefmilieu (IRCEL)

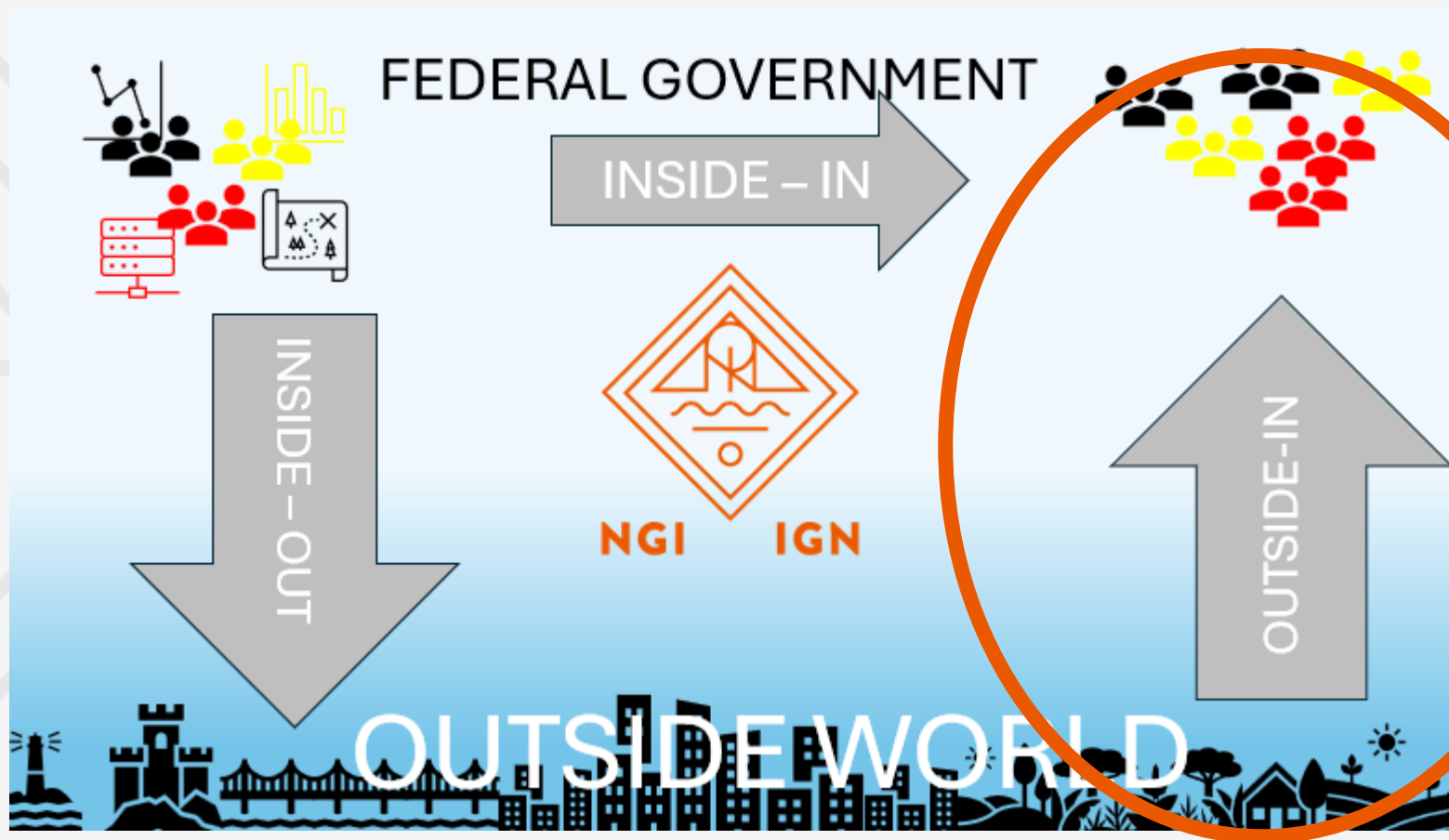
FOD Financien - Algemene Administratie van de Patrimoniumdocumentatie (AAPD)

Koninklijk Belgisch Instituut voor Natuurwetenschappen (KBIN), Operationele Directie Natuurlijk Milieu (OD Natuur)

Koninklijk Belgisch Instituut voor Natuurwetenschappen (KBIN), Operationele Directie Natuurlijk Milieu (OD Natuur), Wetenschappelijke Dienst Beheerseenheid van het Mathematisch Model van de Noordzee (BMM)

NGI

What is our vision?



geobroker

Provider of geospatial data

Provision of spatial road navigation data (non NGI)

Need identified within the federal government:
'One dataset for navigation and geolocation for unified response planning'

Role of the NGI

- Federal procurement
- Expertise centre
- Delivery of TomTom data (government contract)

User group

- Integrated police, 112 service, FPS Interior (fire brigade and medical intervention teams), ASTRID, FPS Mobility and Transport, Defence, NGI
- Expandable for other federal users



Defence - current collaboration

How?

extensive cooperation agreement NGI-Defense

What?

Geographical products and services in Belgium and abroad

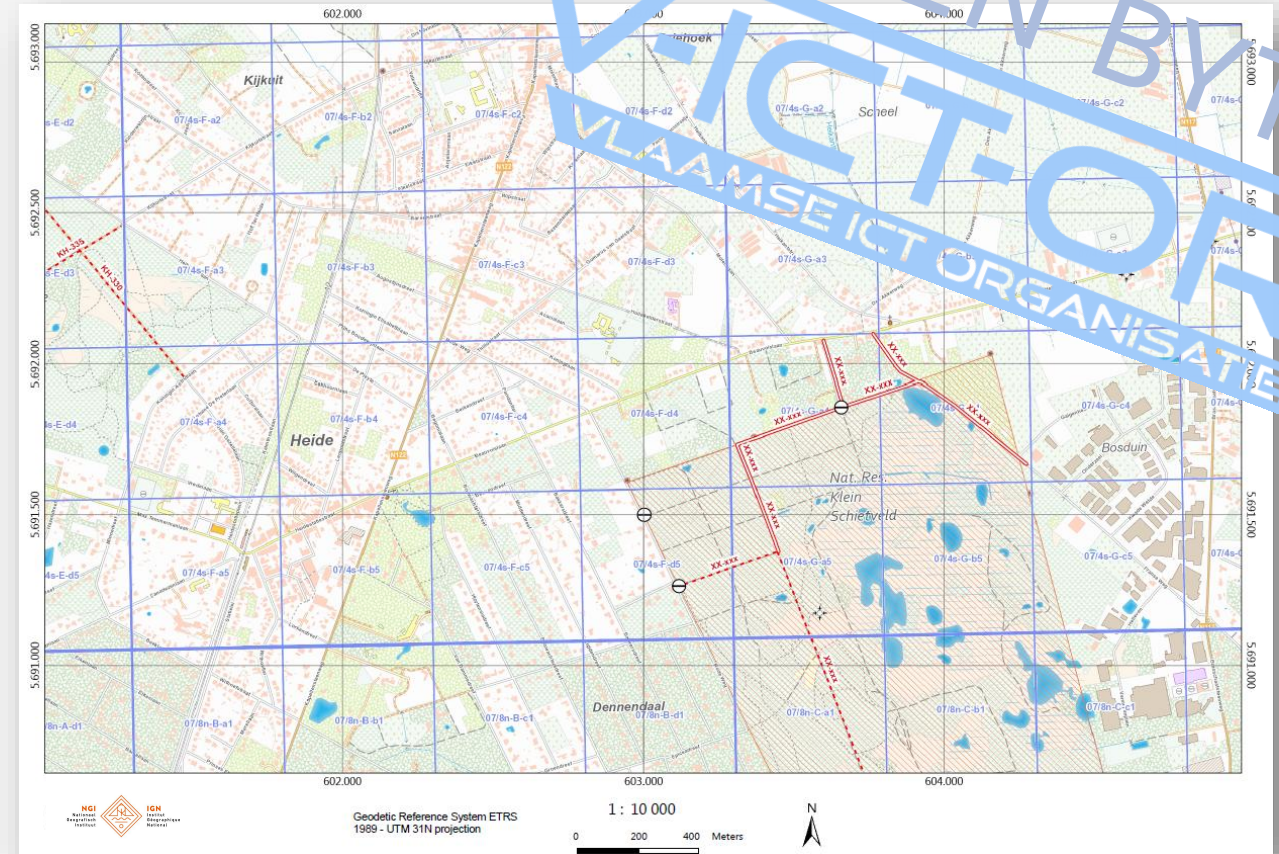
Geocompetence centre



Applications specifically for "crisis" management

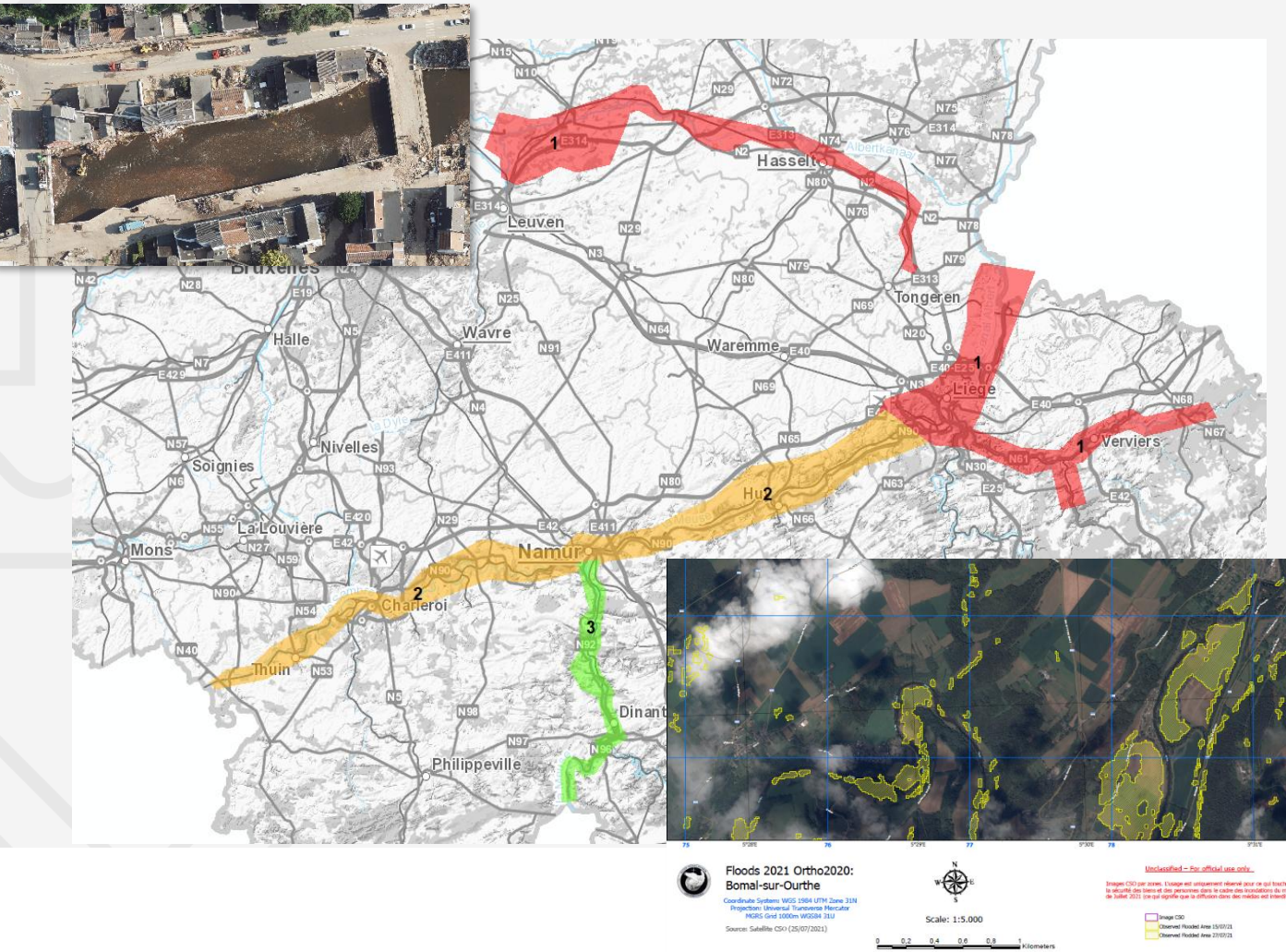
Components

- Authentic source Cartoweb
- Distress Index Grid 1.0
- Thematic layers (data)
- Online tool
- Paper maps and atlases





Geo4Crisis – Floods july 2021



Collection of data

Urgent procedure through NGI procurement process

Aerial images, ortho's and DSM via Hansa Luftbild (zone prio 1)

Data of partners

Video-images from drones and helicopters

Flood detection on Sentinel-1 (VITO)

CSO satellite images (Defensie)

International data (NL)

geobroker

National portal for mobility and transportdata www.transportdata.be

Belgium's National Access Point for Intelligent Transport Systems = NAP ITS

National access point for :

- MMTIS
- RTTI
- SRTI
- SSTP



NGI is product owner and manages the user community on behalf of (and paid by) the ITS steering committee



Support to Climate Management Actors

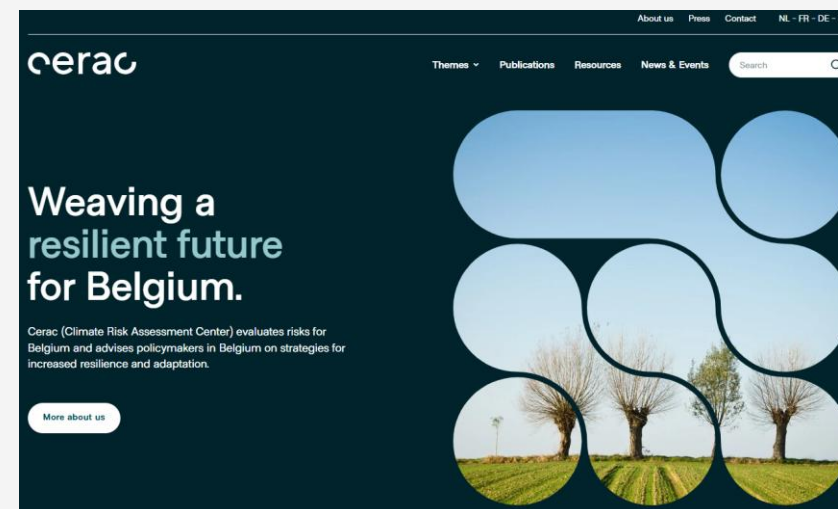
Belgian Climate Centre

view- and downloadservices for projections on the climate effect in Belgium.

Climate Risk Assessment Center

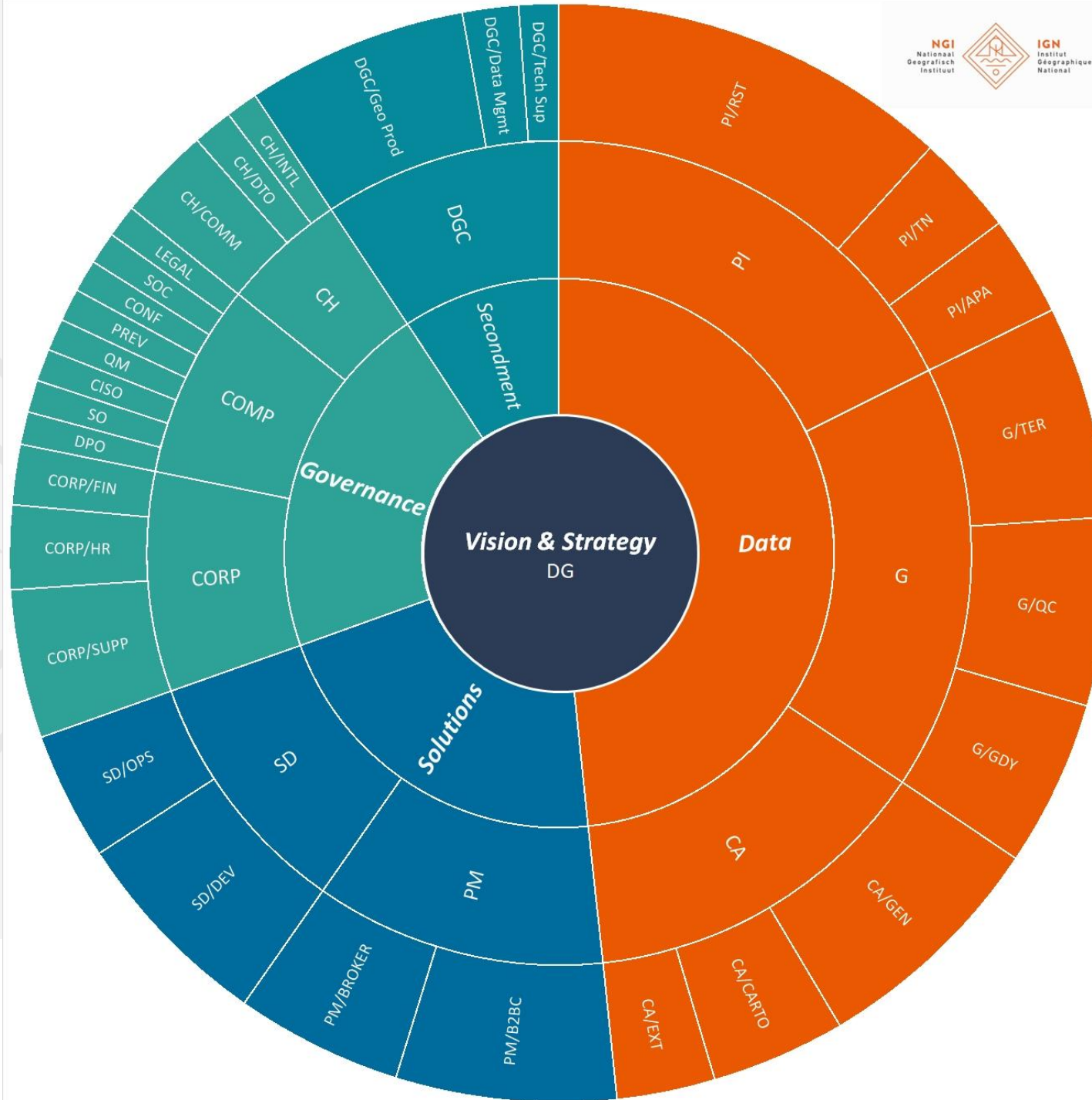
Provision of geospatial expertise

- Assessment of geodata needs
- Tailor made training on use of geospatial tools
- Benchmarking with comparable organisations in UK and DE
- Analysis report on biodiversity loss and fire risk in natural areas
- Advanced mapping development



Organisational change



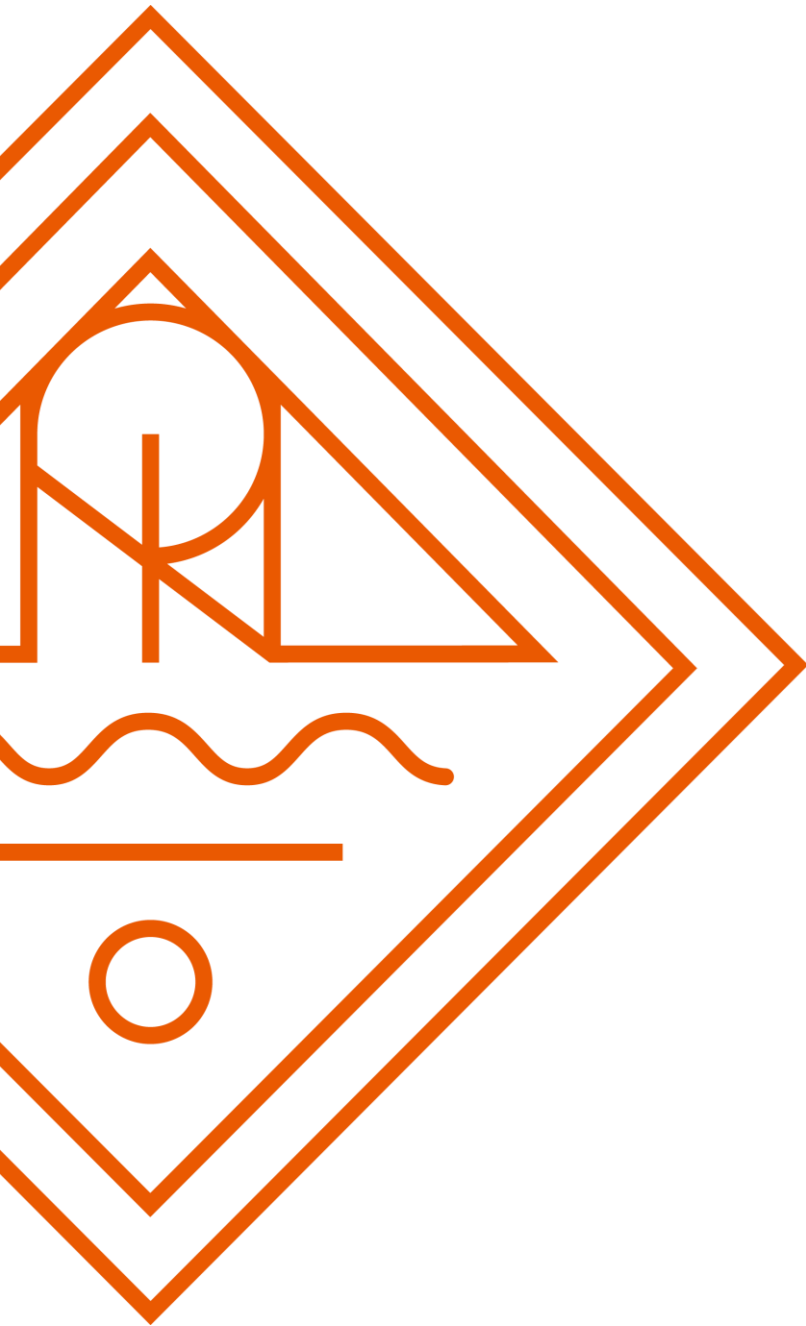


AI generated image

MAPPING AGENCIES: INNOVATION IN ACTION!

Space Geodesy · Authentic Reference Data Source · Digital Cartography · Geospatial Intelligence





Q&A?

ivb@ngi.be

www.ngi.be

NGI
Nationaal
Geografisch
Instituut



IGN
Institut
Géographique
National