

BeGeo 2024

LA CONNEXION A L'ETAT PUR
DE ULTIEME CONNECTIE



Collaborating on better geoservices for the public
services

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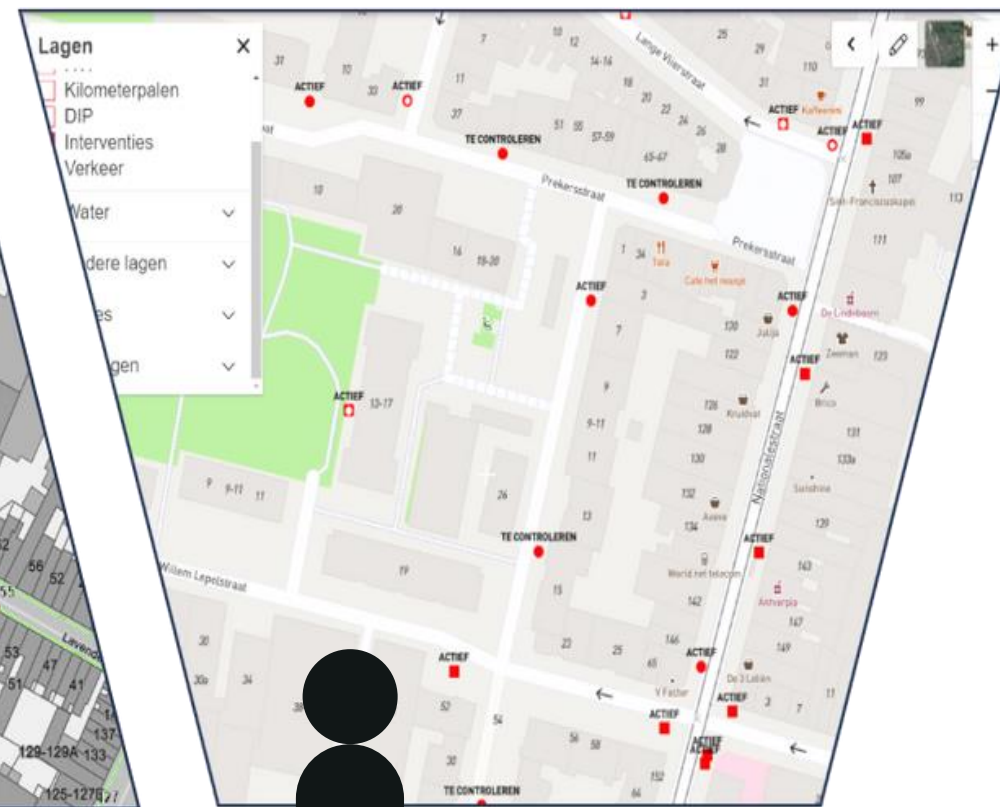
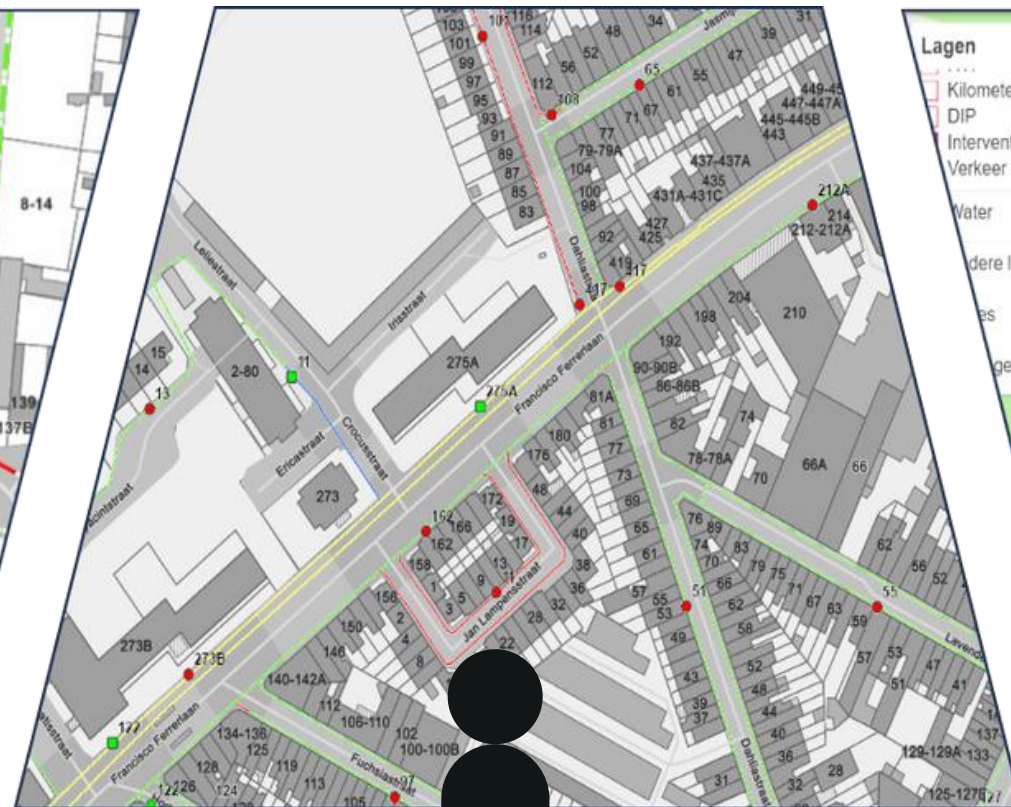
Topics

- **Collaborating?**
- **Shared geodata - Geohub**
- **Uniform datamodel**
- **Uniform symbology**
- **Next steps & challenges**



Collaboration





- Each zone is responsible for their own cartography:
 - finding, obtaining and importing data
 - choosing a symbology
 - publishing the data to applications of the zone
- Big city zones: (parttime) GIS-person <>
Smaller zones: (almost) no-one
- Grand Duchy Luxemburg 4 GIS-persons





Data

Lots of layers (150 à 200):

- **Utility networks**
- **Hydrants & water ducts**
- **Hospitals, schools, companies, care homes, ...**
- **Traffic, harbours, ...**
- **Fire-specific data**
- **...**

Lots of sources:

- **FETRAPI/Fluvius**
- **Farys/De Watergroep/Pidpa/AWV/...**
- **NGI/Crisiscenter**
- **Informatie Vlaanderen**
- **...**

Lots of protocols/types of data

- **Mail (manually)**
- **Download: Excel, shapefile, geojson, ...**
- **API**
- **Web service: WFS, WMS, WMTS (secured or not)**
- **...**

GIS working group

Bottom-up, pragmatic approach (“coalition of the willing”)

- Sharing knowledge: experience with maps, software, devices, ... and collecting best practices
- Work on improvements (see next slides)
- “Front formation” in relation with suppliers of geographic material and services
- Aiming for representation in all (Flemish) zones + NGI
- Currently within “Netwerk Brandweer” (Flanders), in the future in the “Nationaal Orgaan voor de Hulpverleningszones”?

Informele start

2019

PIO Uniforme Cartografie

Bosa - PDC project

Werf-Gipod

Werkgroep GIS officieel

Laag BW-zones en -posten

2020

2020

2021

Printtool Fluvius data via NGI

2022

**Emergency Index Grid
Uniforme legende polylijnen**

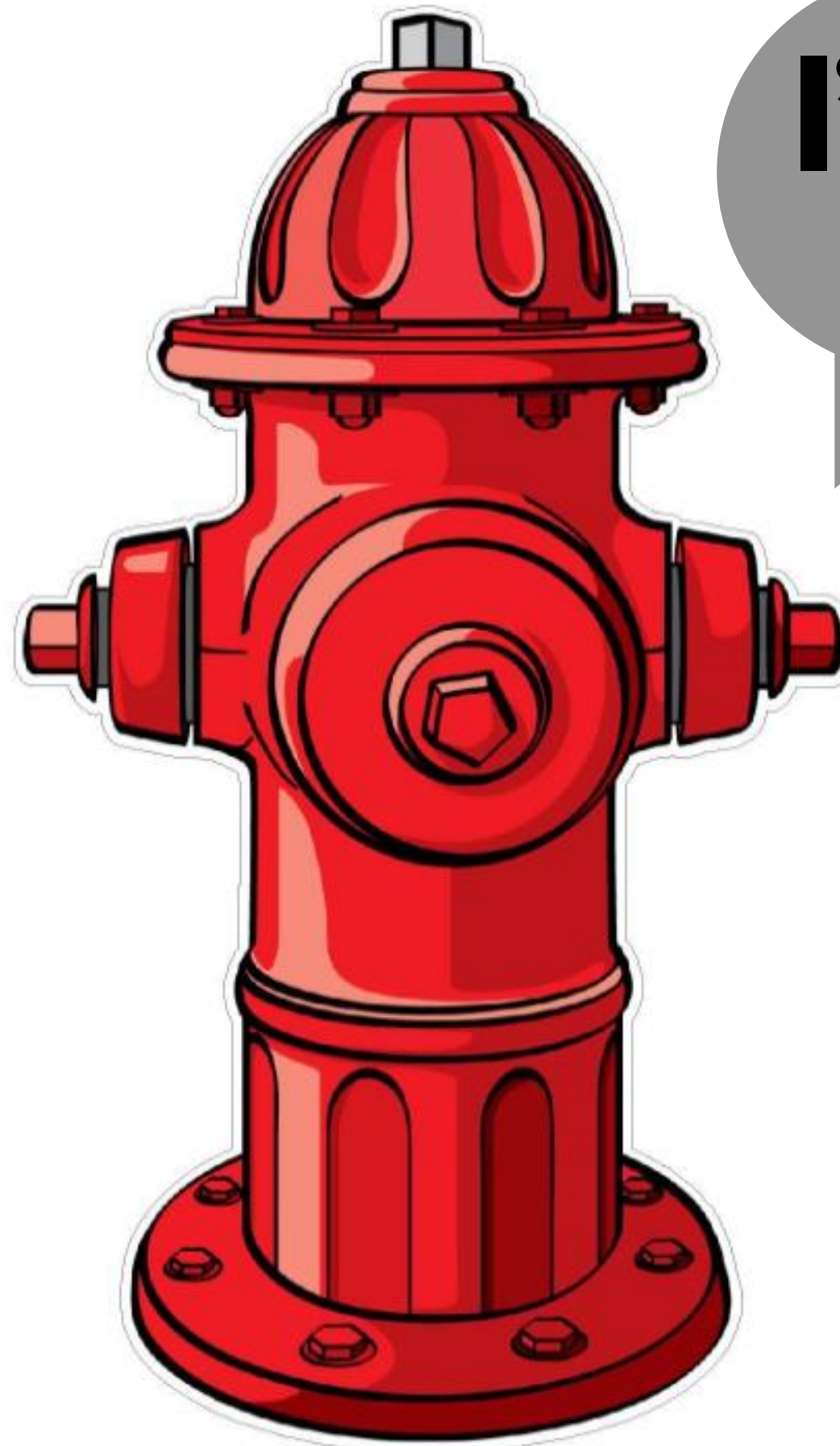
2023



Main goal > working interzonally

- Uniform data models
- Uniform symbology
- Geohub for public safety  **more time for**
- Interzonal collaboration in GIS-software, reuse of tools & expertise

Uniform data model



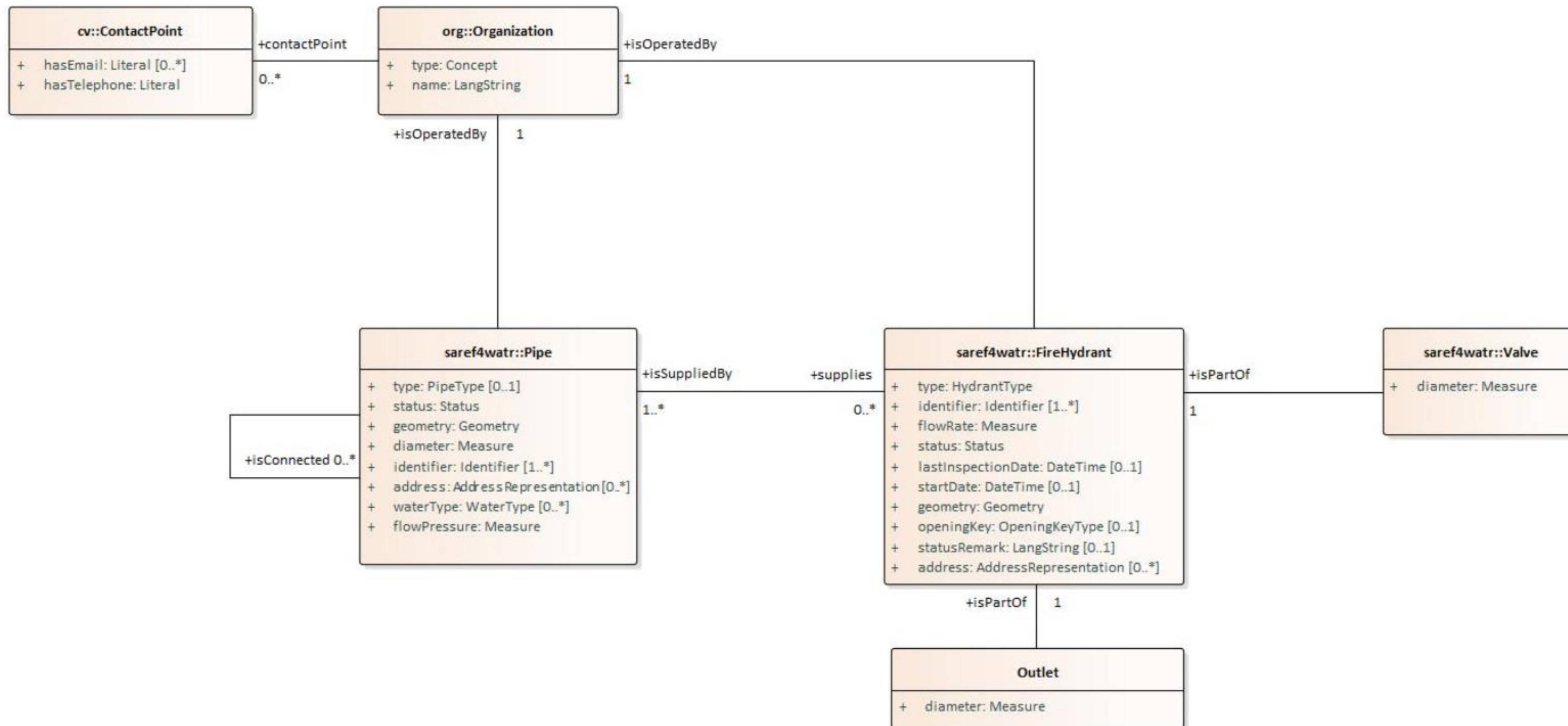
I'D TAP
THAT

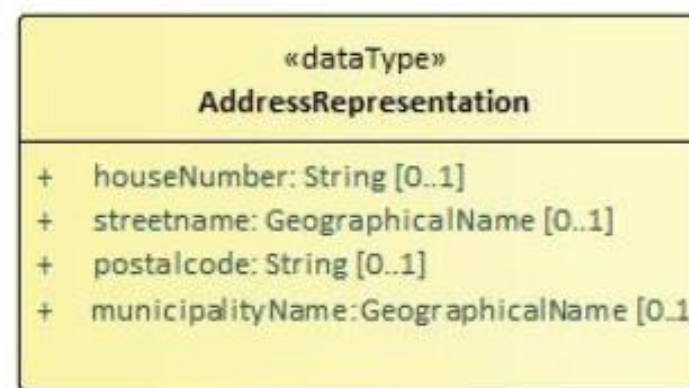
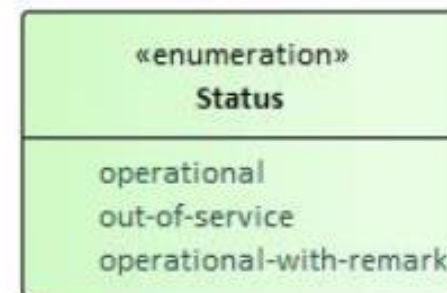
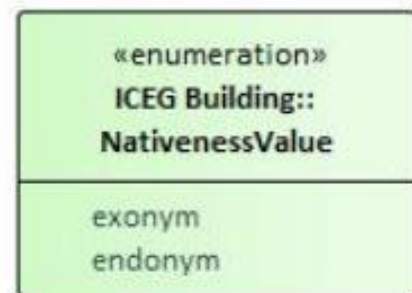
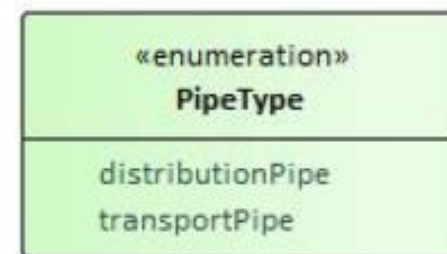
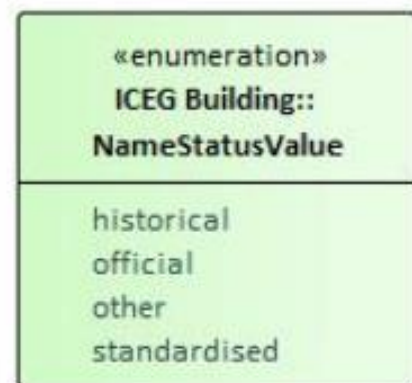
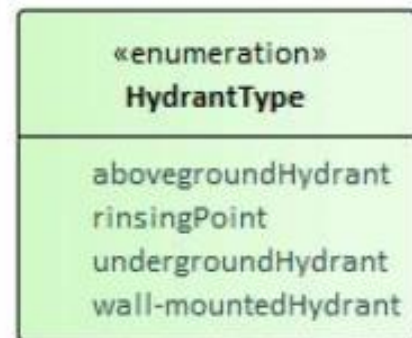
ICEG Hydrants



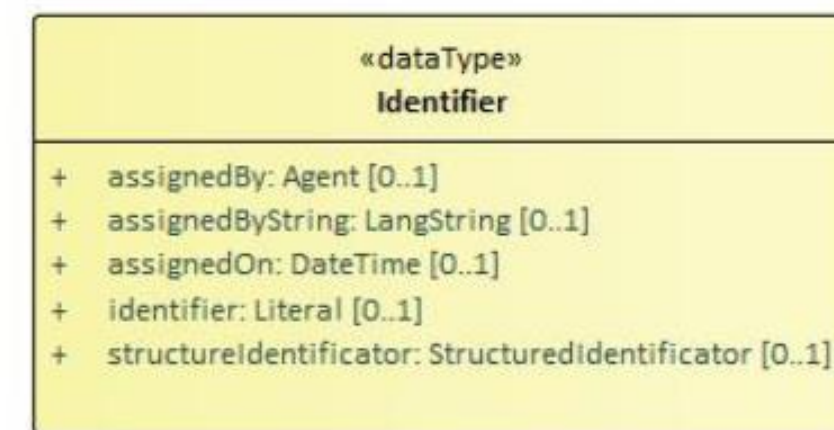
- Working group - participants:
 - Water companies
 - NGI/IGN
 - ICEG (organisers)
 - User of the hydrants (cities & communities, public services)
- Data model has been established, just needs finetuning in two workshops with all stakeholders and final ratification

class ICEG-Hydrants-AP

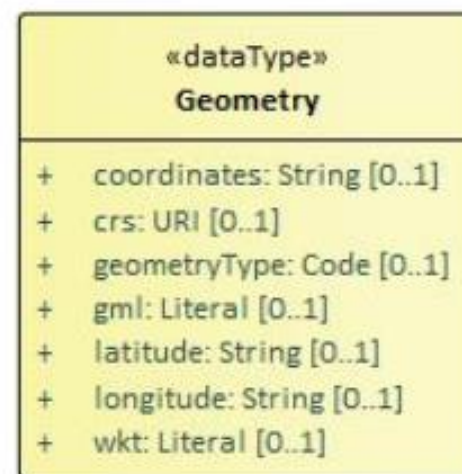




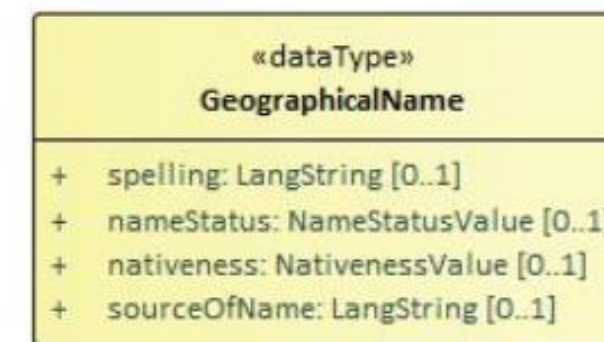
(from ICEG Building)



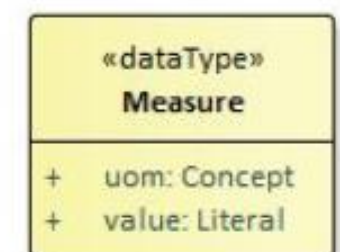
(from ICEG Building)



(from Core Location)



(from ICEG Building)



(from ICEG Building)

Uniform symbology

aka: “Fight on the same
map”





Uniform symbology



Symbology BY and FOR public safety!

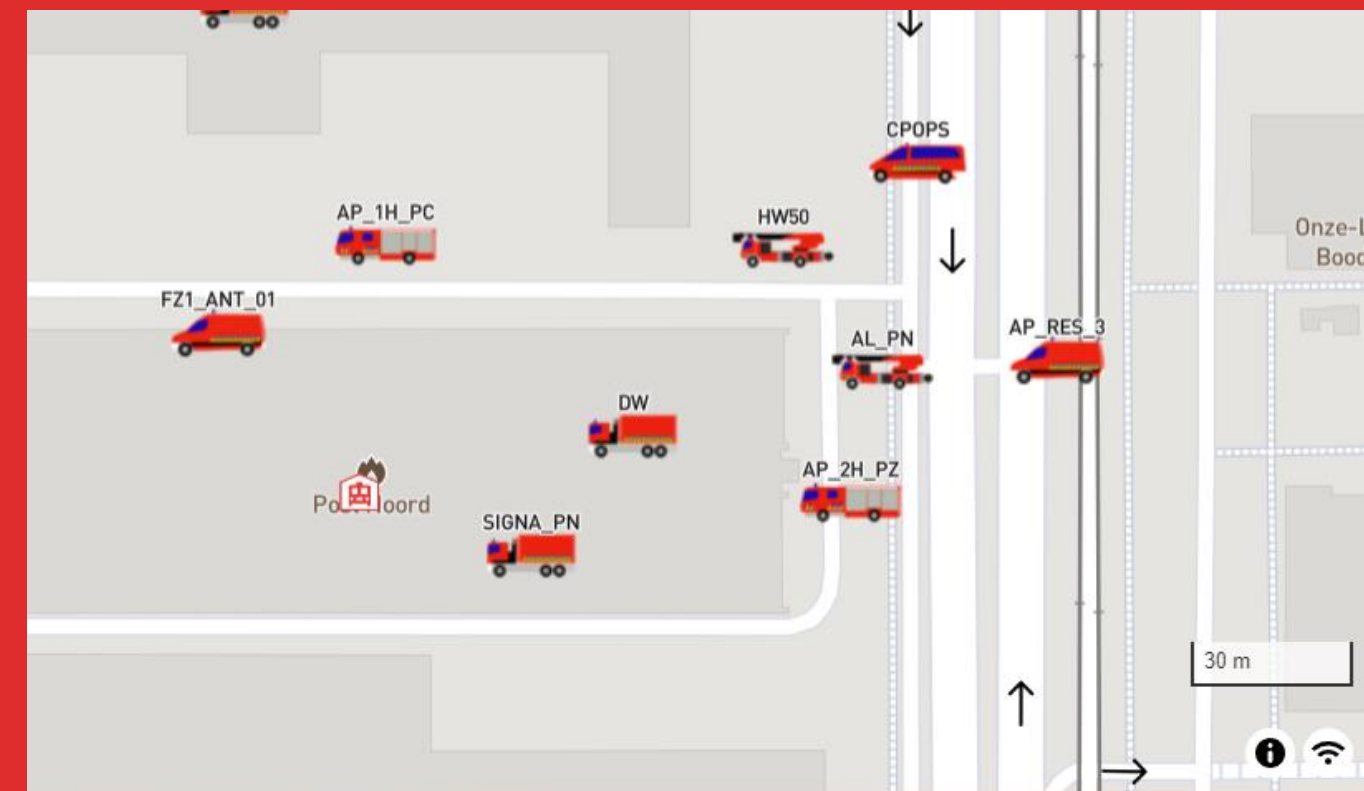
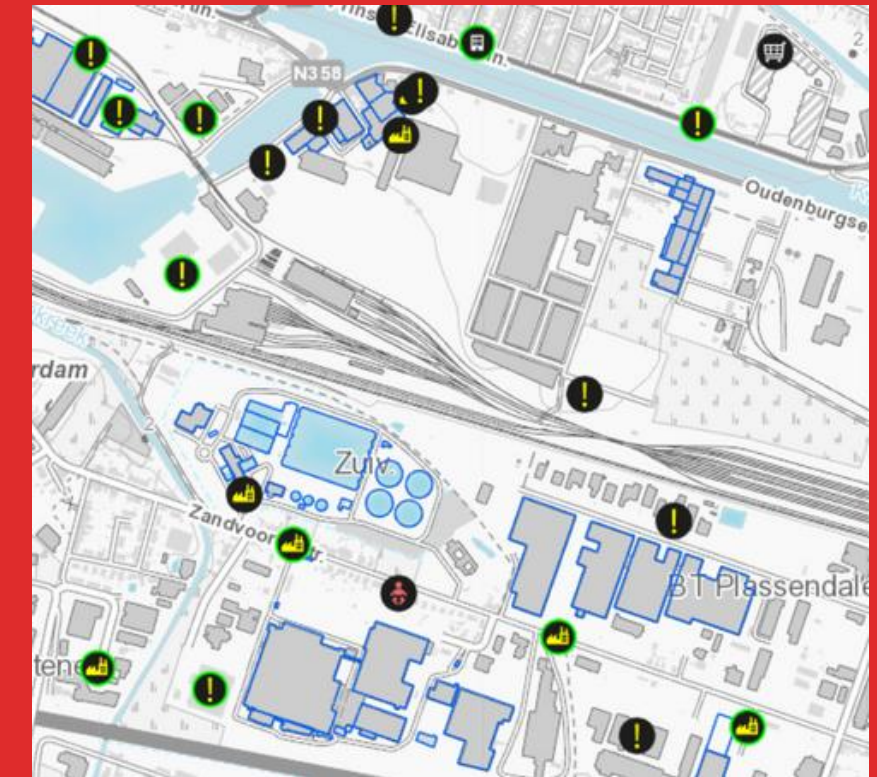
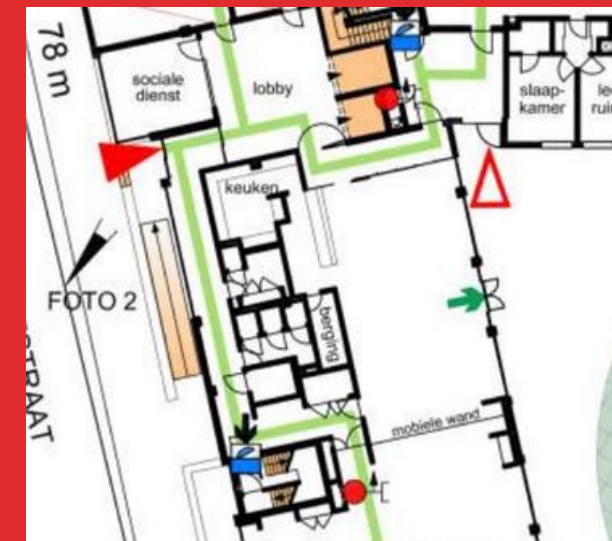
Symbology is made according to the needs: e.g. the needs of firefighter do not match those of a technician working on the utility network.

The symbology of a thematical layer should not conflict with other layers. Lots of layers...

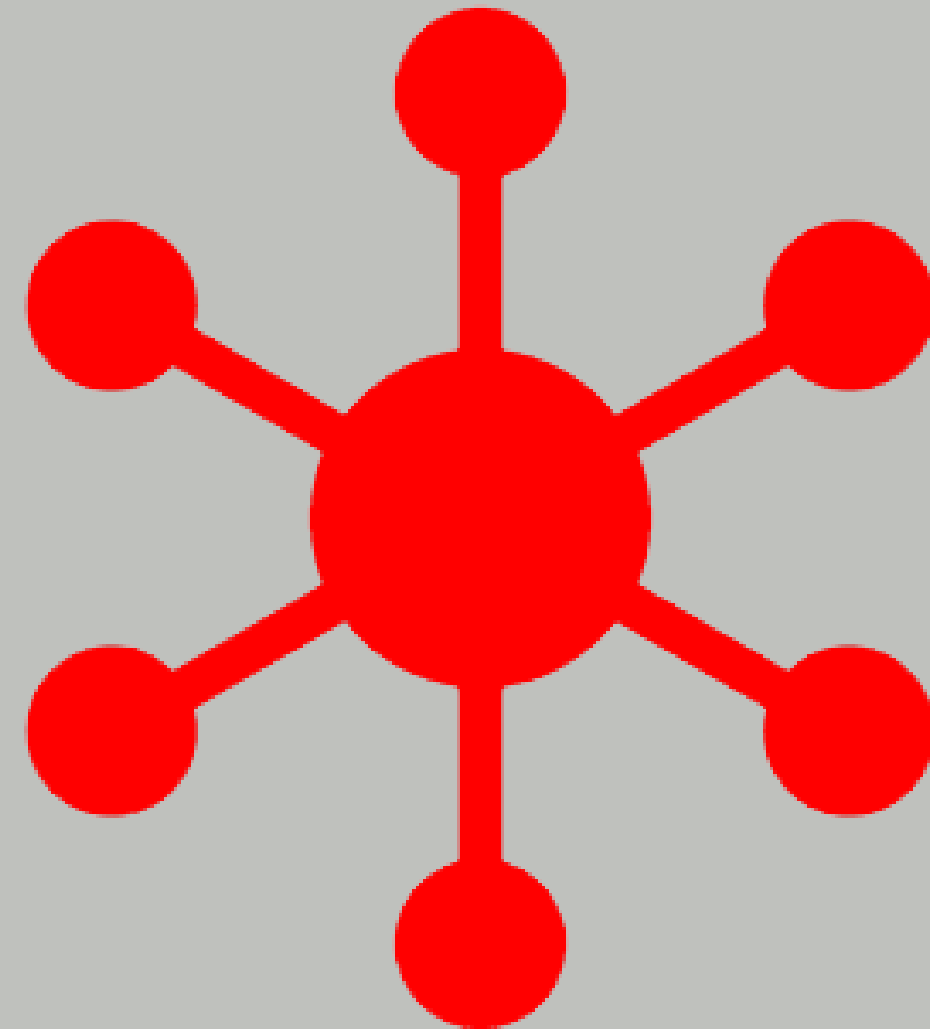


Other symbology to standardize in the future?

- Thematic maps of external partners
- Digital intervention plans
- Vehicles and resources on intervention



Shared geodata



Geohub > NGI

- Case Fluvius
- Optifed

Others in the pipeline:

- FETRAPI
- Coastal reference points
- Infrabel
- Elia

Wishlist:

- Hydrants
- ... (!)



Next steps & challenges



Next steps & challenges



- Extending the data hub
- Finalising the uniform cartography
- Work in progress - tools needed:
 - Road closures & traffic disruptions
 - Sources of water (tertiary, “waterwinpunten”)
 - Planning and management of measurements of dangerous substances
- **Collaboration platform!**

Contact

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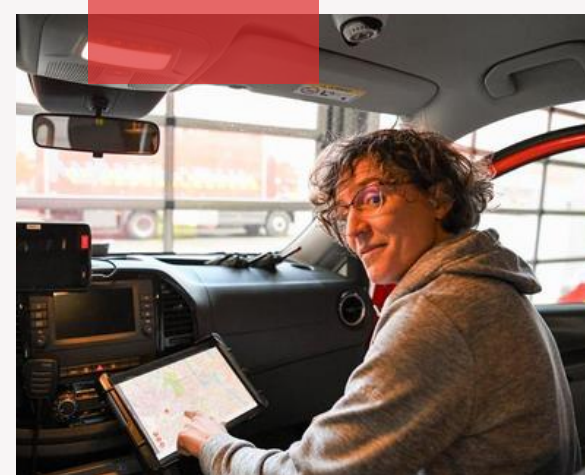
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