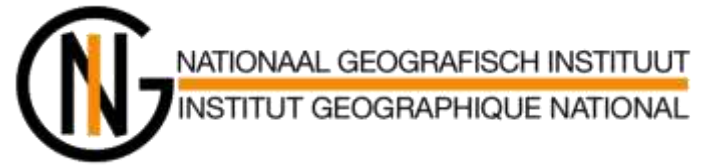




UCH 1.0: Organising the NATO-Summit 2018



NATO-Summit 2018

Unparalleled security proportions



- Unparalleled security proportions

- NATO-summit: more than 60 Heads of State
- European Soccer Championship
- “Regional” holiday
- ...



Het is de grootste operatie
die we in België al hebben gehad.



Where is POTUS?

Water pipe bursted

Does it impact itinirary Merkel?

Where is ... ?

When is Merkel arriving?

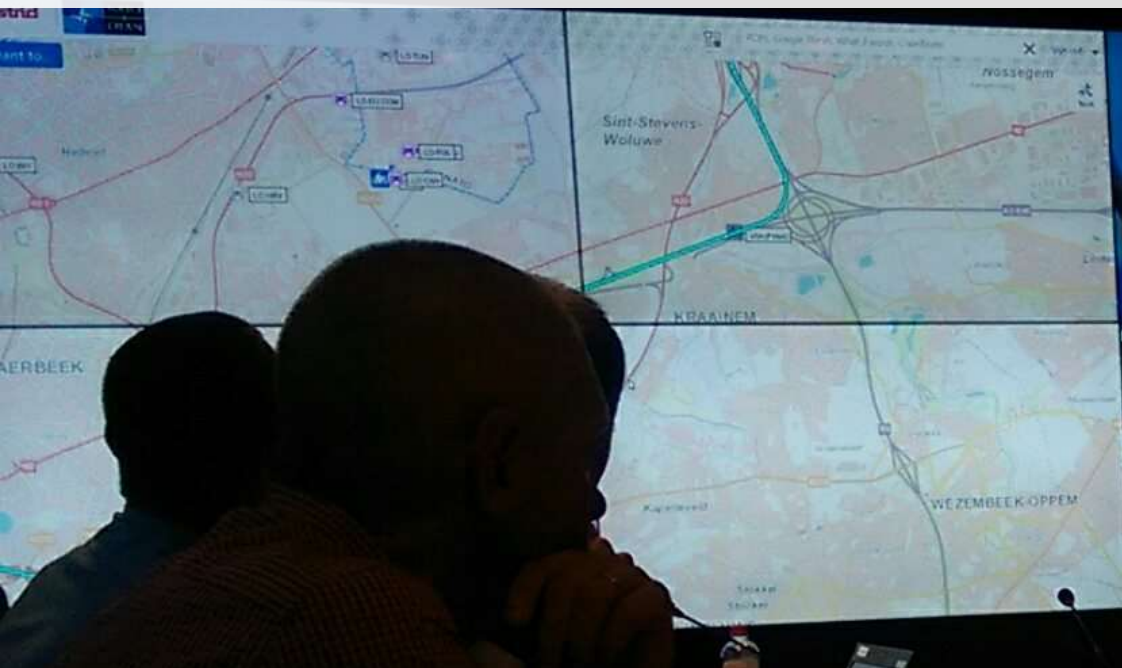
Who is already near incident?

Which ambulance?

Macron is taking a walk

Is he within the safety perimeter?

Crisis Centre



PC-GOLD



PC-NATO



+ Defence
+ 2 local posts

Organising the NATO-Summit 2018

Organising the movements of the 60 Heads of State



Organising the NATO-summit 2018

Uniform Cartography for the Emergency Services (UCH)



Context

- Wildfire (UCH POC)
- NATO-Summit 2018 (UCH 1.0)
- UCH version 2.0 (in development)

Stakeholders



AGENTSCHAP
NATUUR & BOS



Vlaanderen
is natuur



Politie Police



NATIONAAL GEOGRAFISCH INSTITUUT
INSTITUT GEOGRAPHIQUE NATIONAL

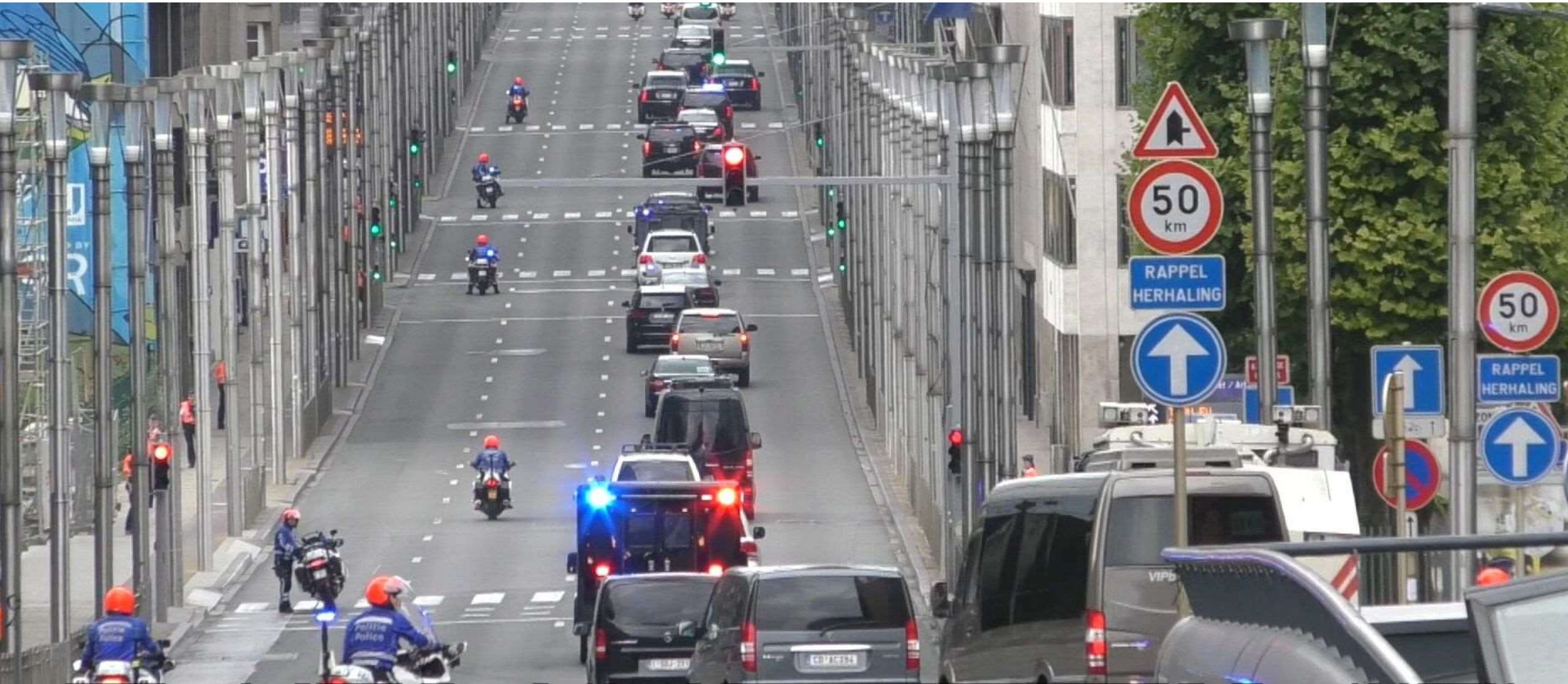


PROVINCIES - PROVINCES
GOUVERNEURS



Organising the NATO-Summit 2018

Organising the movements of the 60 Heads of State



Organising the NATO-Summit 2018

Security perimeters: location, entries and exits



Organising the NATO-Summit 2018

Heads of State on a Map: their real time location, itinerary and security perimeters



Organising the NATO-Summit 2018

Incidents: Minor?



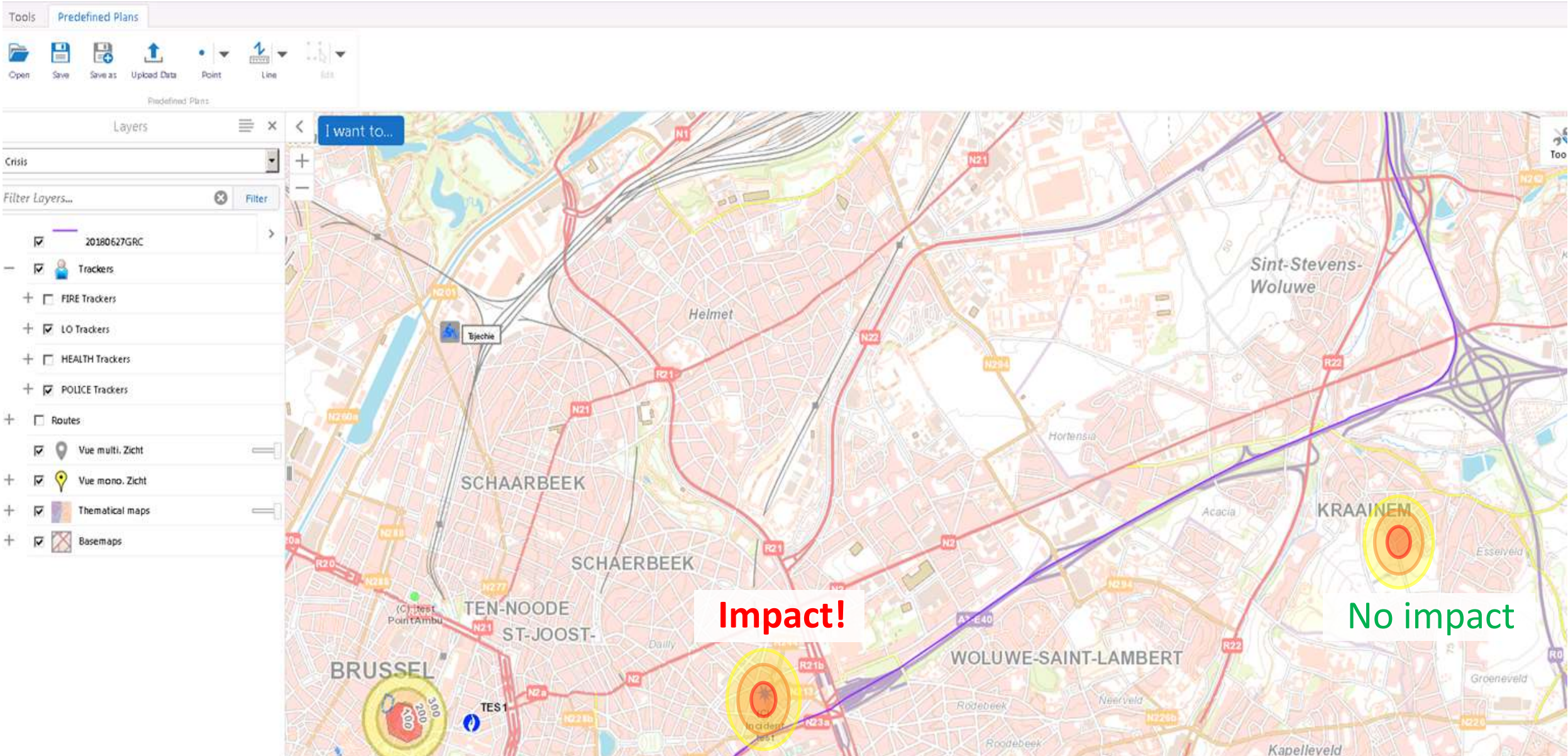
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Incidents: MAJOR!



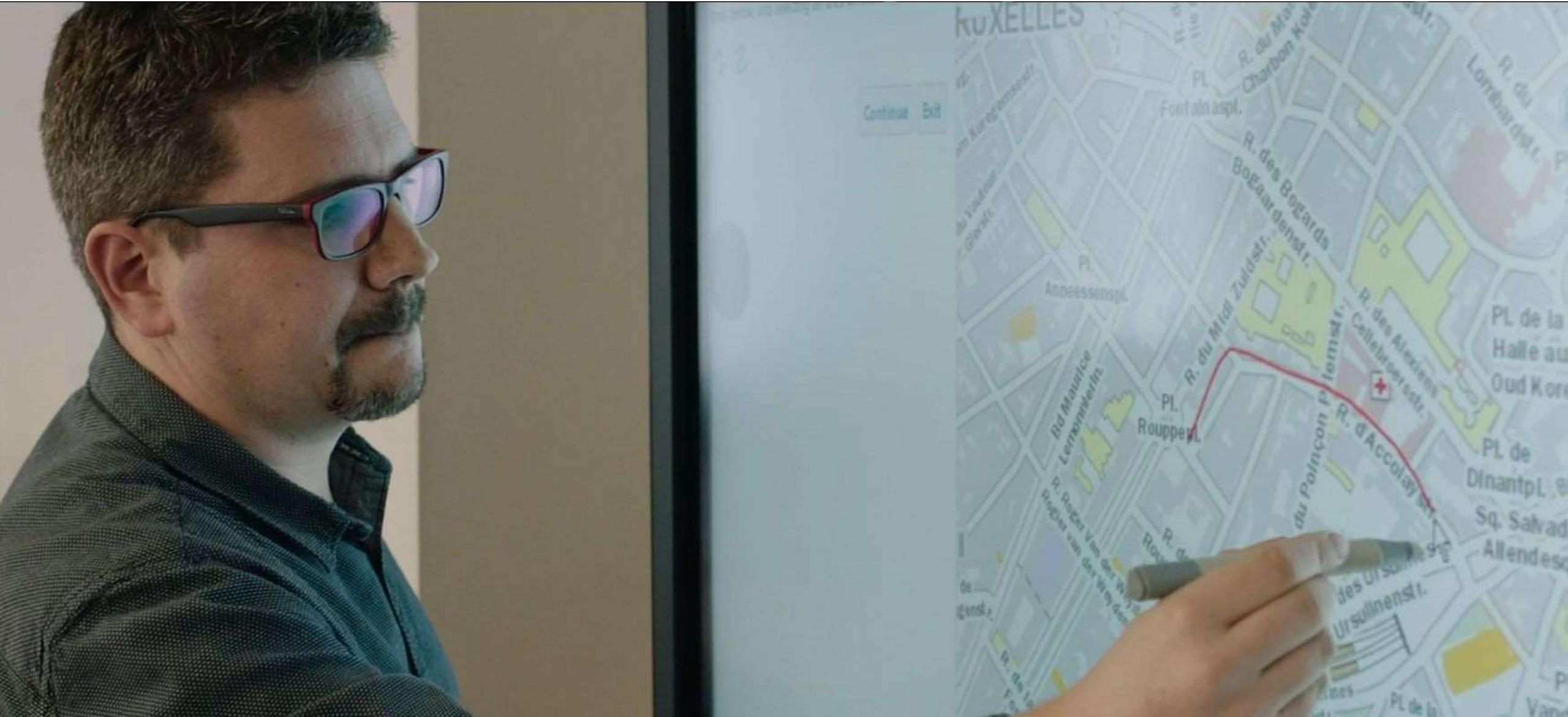
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Insight on impact incidents on events and surroundings



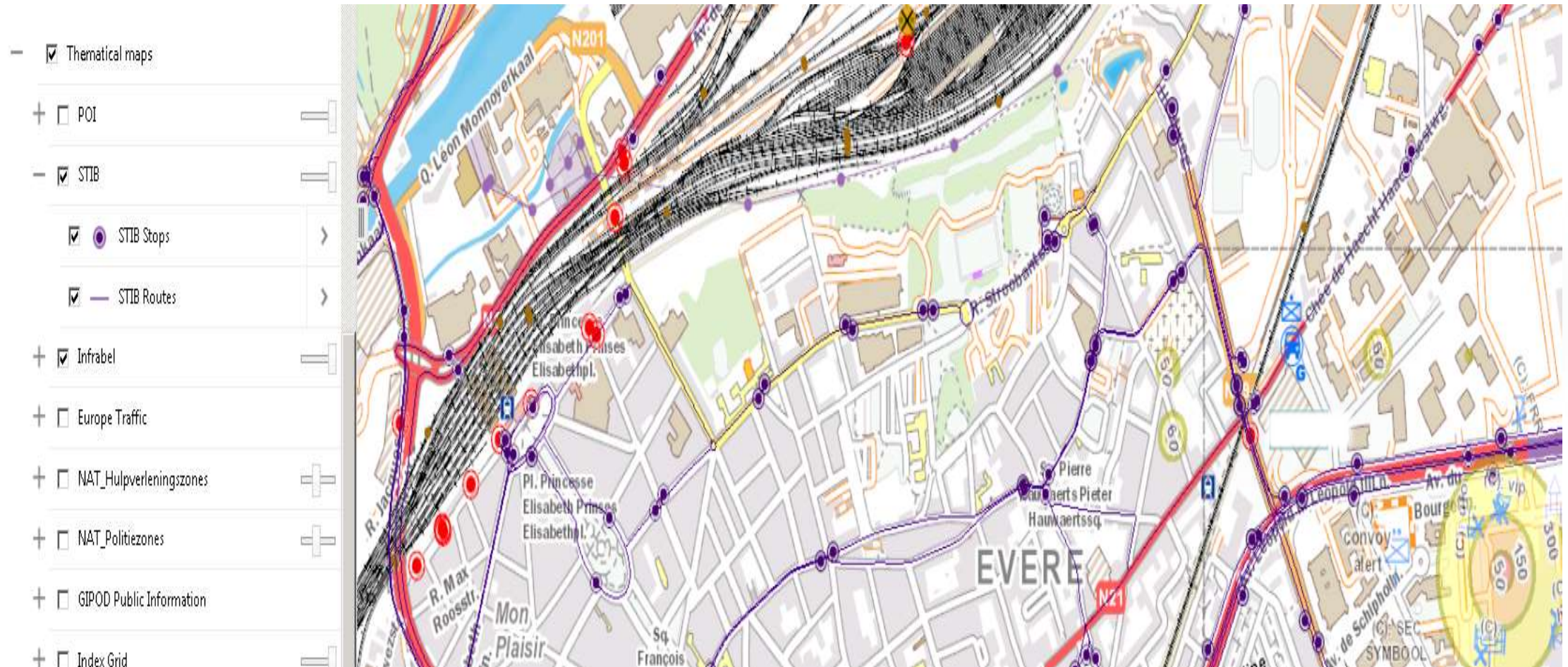
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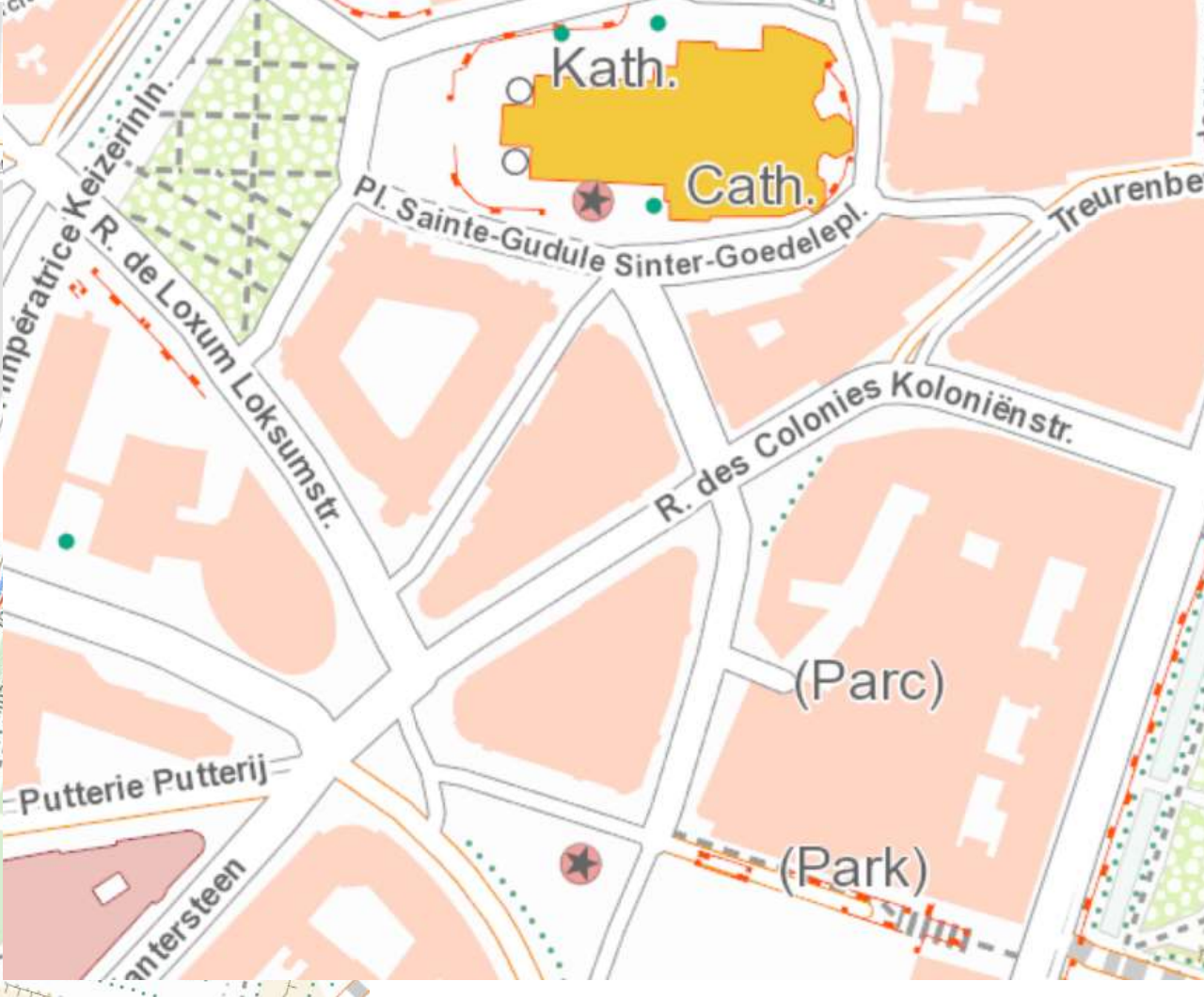
Drawing Incidents on the Map – Real time sharing



Organising the NATO-Summit 2018

Surcharging all kinds of information – Filtering and Searching





Cartoweb

Organising the NATO-Summit 2018

Tracing of People, Cars / VIPs, Police, Firebrigade, etc.



Organising the NATO-Summit 2018

A Uniform Grid - System



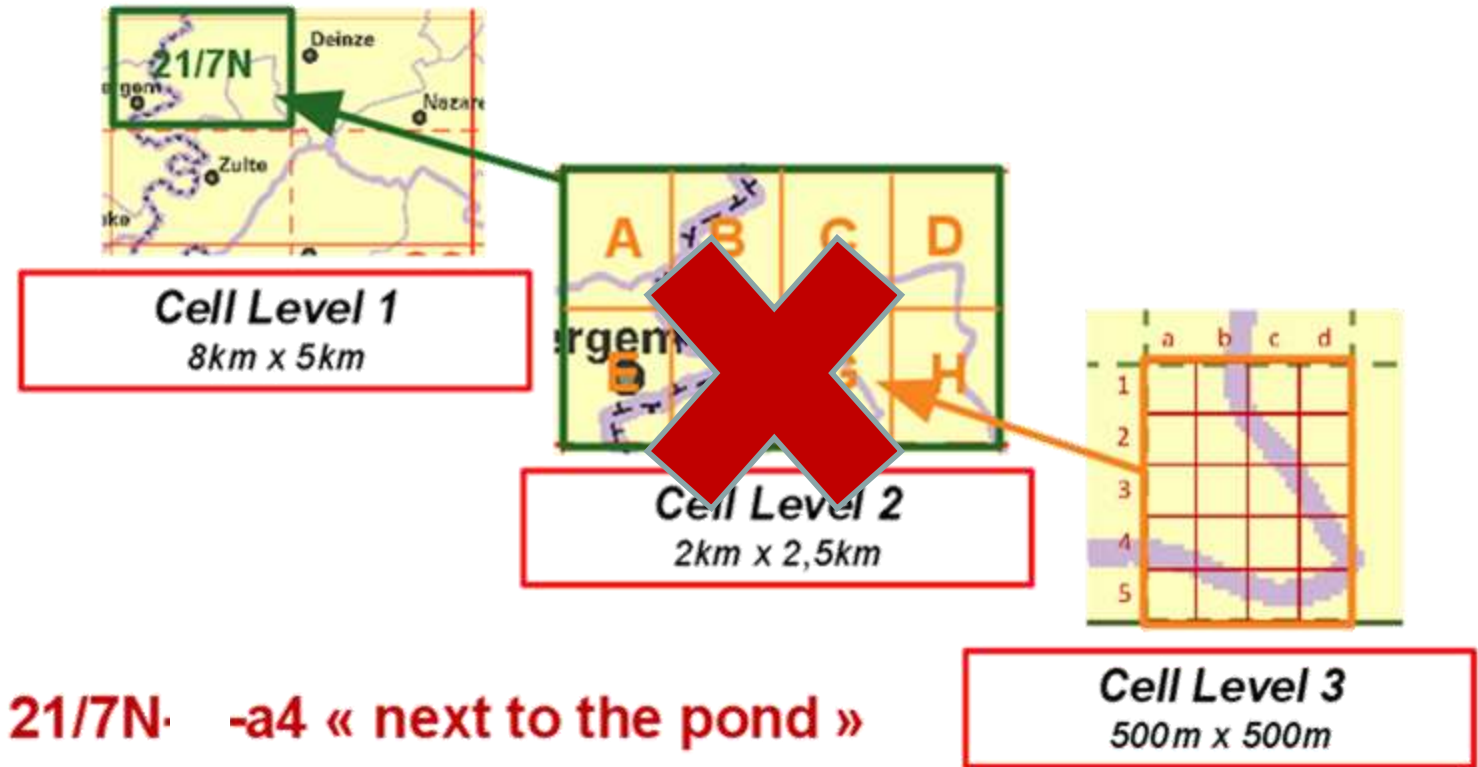
Components map system

Base map Cartoweb.be

Thematic layers

Index grid

- Uniform positioning
- Matches standard map sheets

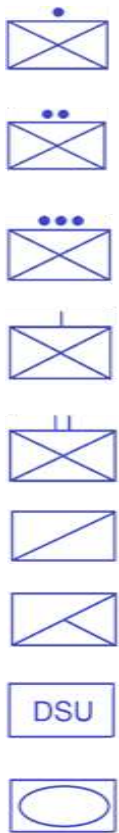


Organising the NATO-Summit 2018

Standard colour per discipline, standard symbols indicating function and 'power'



Police



Fire



Autopomp



Autoladder

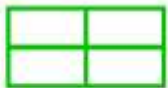


Commando-
wagen



Tankwagen

Health



Ziekenwagen



PIT



MUG

Organising the NATO-Summit 2018

Conclusions



Conclusions

Multi-disciplinary is possible!

Need for uniform strategic operational cartography,
for all emergency services and crisis centre

- Base map
- Thematic data
- Tracing
- Uniform coordinate and indexsystem
- Digital *and* printed maps

Work to do

- Make it more light-weight, less laborious
- Training
- Make agreements to improve trust
- Take-up in every-day routines
- Uniformisation



Cartography for Wildfires

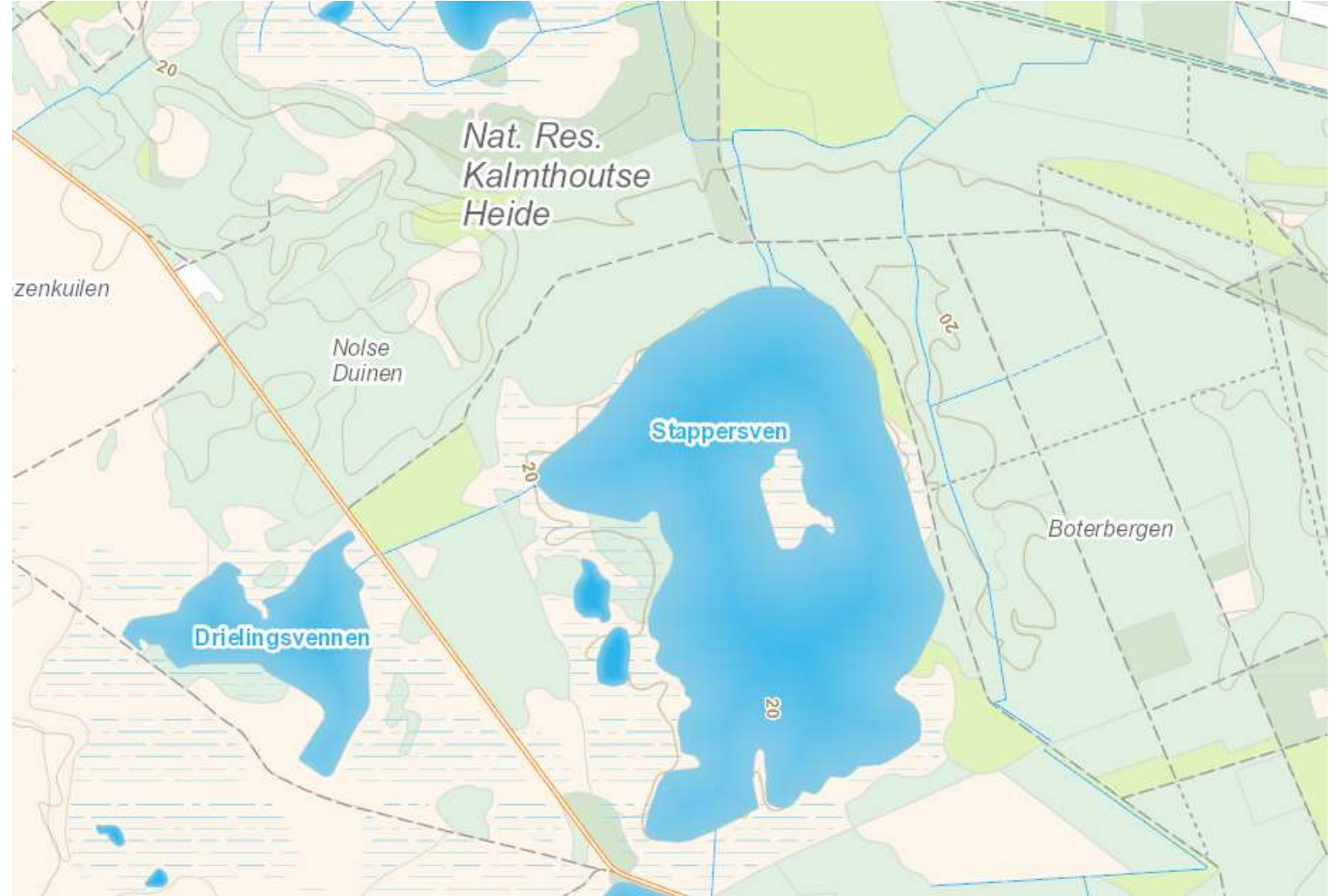
UCH POC



Components map system

Base map Cartoweb.be

- Topographic base map
- Different scale levels
- Digital -> now on paper too





Cartography for Wildfires

UCH POC



Components map system

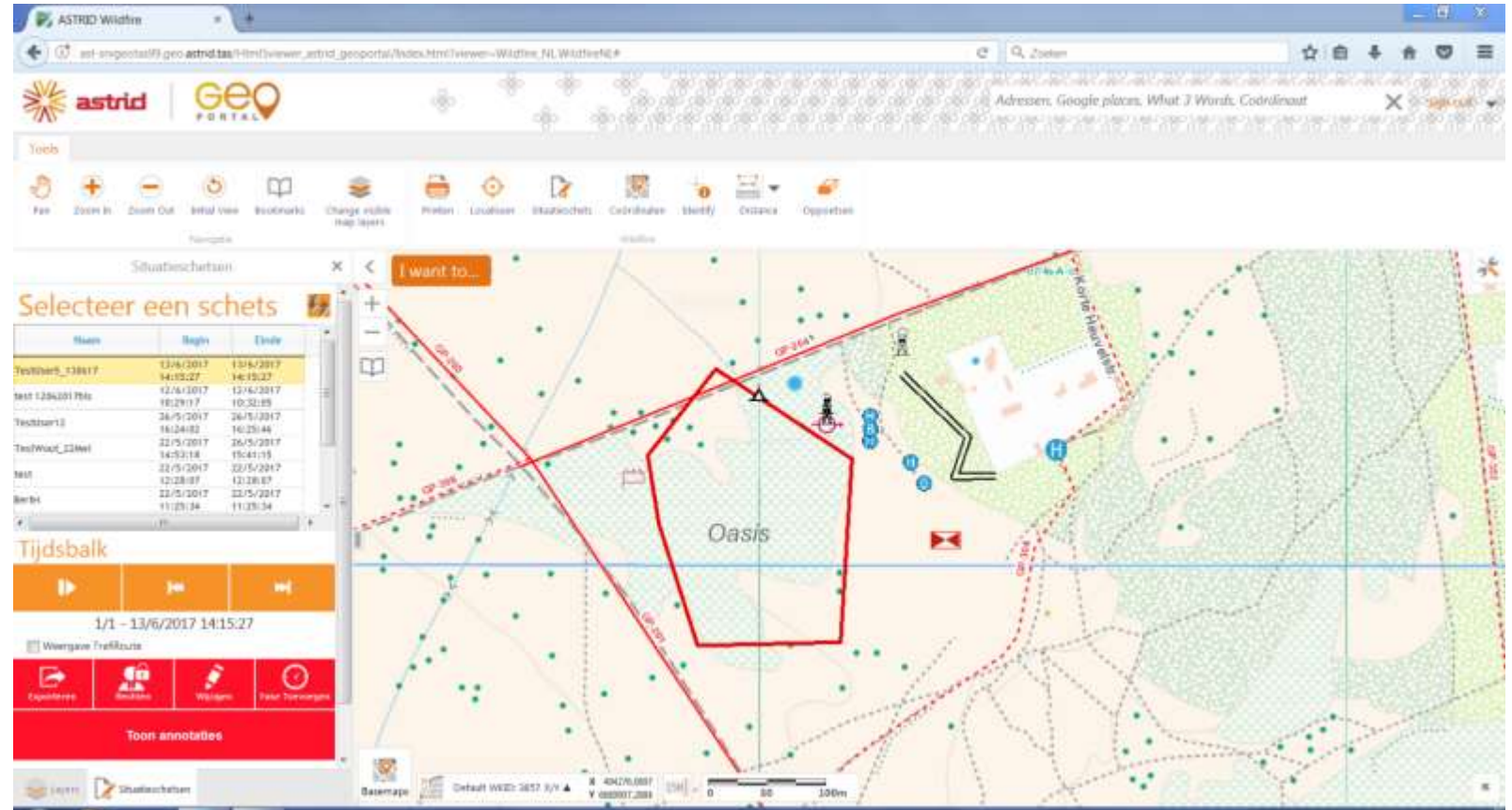
Base map Cartoweb.be

Thematic layers

Index grid

Online application

- Tools voor positioning, annotation and printing of maps
- Everybody immediately up-to-date
- Basis = ASTRID GeoPortal



Cartography for Wildfires

UCH POC



Components map system

Base map Cartoweb.be

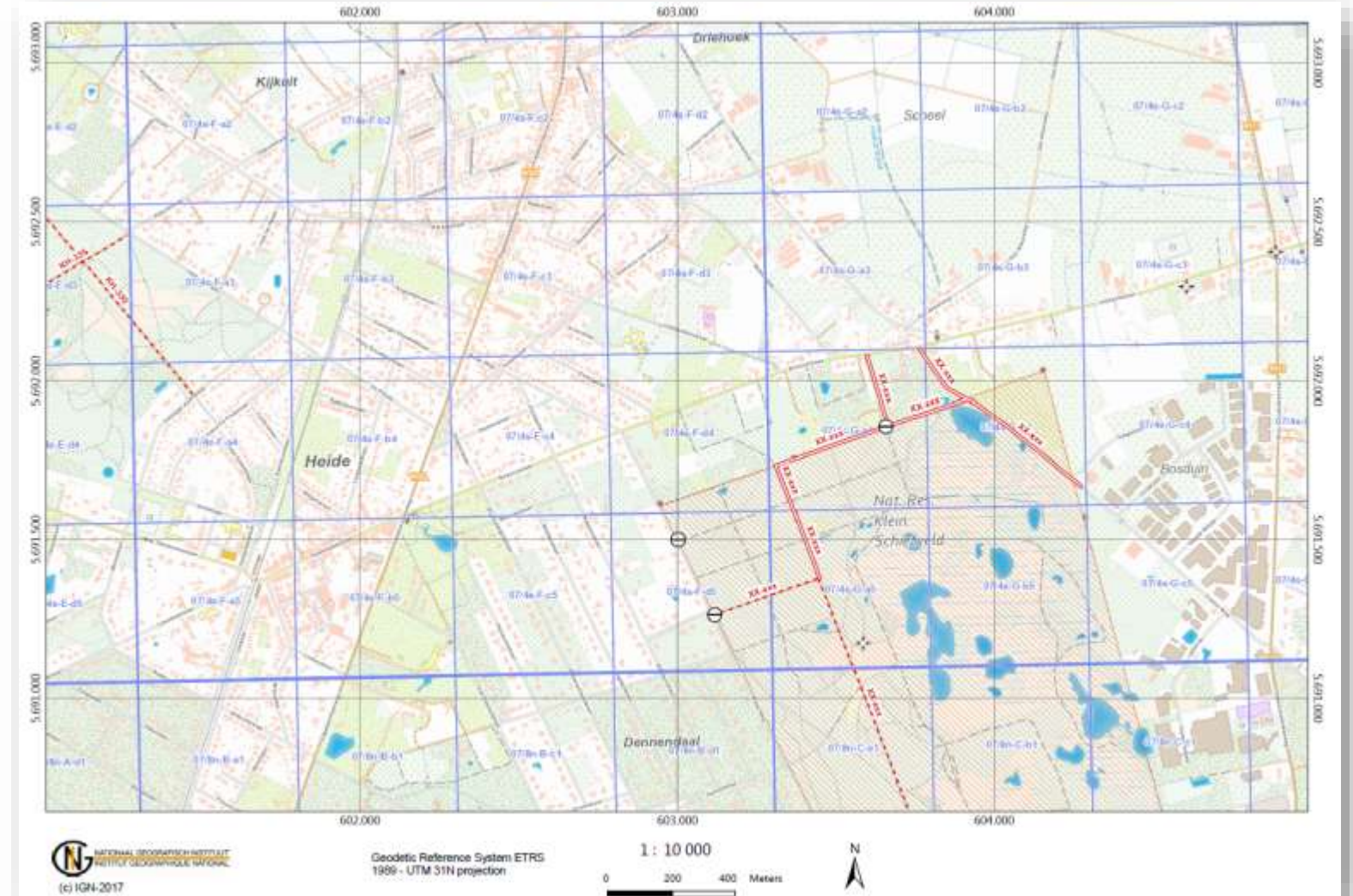
Thematic layers

Index grid

Online application

Printed maps and atlases

- Remains an indispensable tool on the ground
- Standard map scales, -formats and -cutting



Walking down the road of innovation

From a POC – through continuous improvement – to an Operational Tool at National level

Consisting of

- One common Base Map
- A National GRID, and coordinate system
- Common Operational Picture
 - » Uniform indications of thematic data (roads, barriers, water points, ...)
 - » Uniform image of a “disaster” and its annotation on a map
 - » Uniform symbology for drawing interventions on a map
- Training

Cartography for the Emergency Services 2.0

UCH 2.0



Towards a Common Operational Picture

Daily Operational Solution, for all stakeholders at all levels

- Continuous improvement: More than Wildfire and Security

Innovation, step by step

- Get together
- Cases
- Raising awareness by doing
- Driving organisational improvement
- POC → Project 1.0 → Structural Solution 2.0

The quality of our assistance will greatly improve if ALL emergency services at ALL their work stations could have the SAME map material.

Questions?

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