



# 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
- ...





Where is POTUS?

Water pipe bursted

Does it impact itinirary Merkel?

Where is ... ?

When is Merkel arriving?

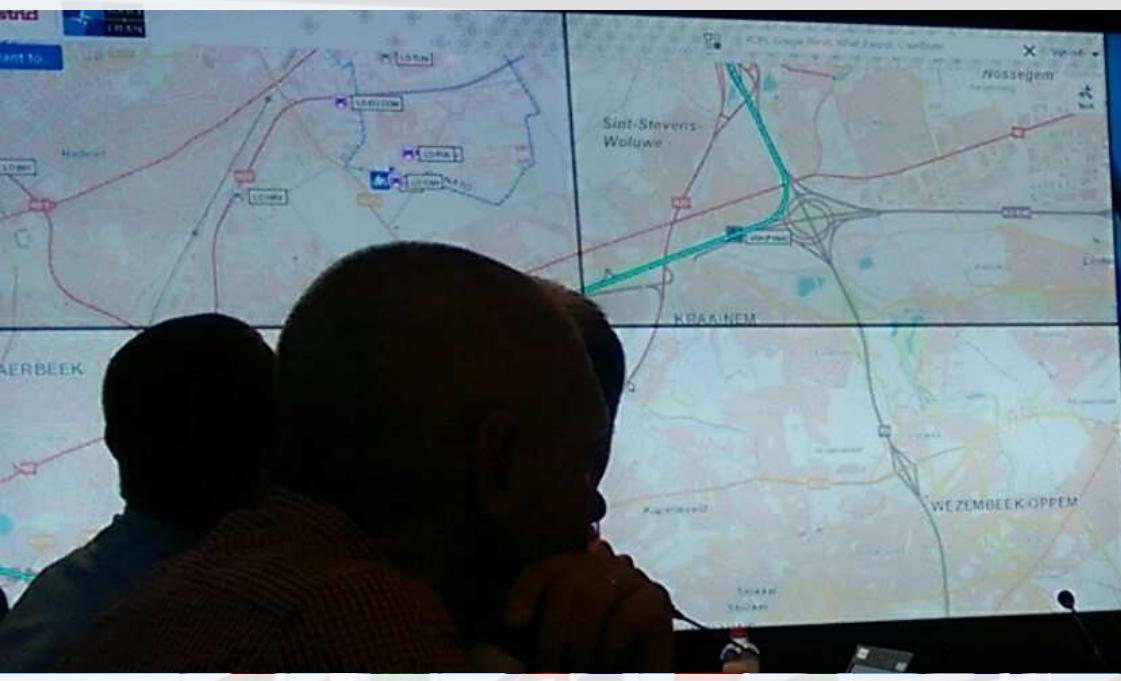
Who is already near incident?

Which ambulance?

Macron is taking a walk

Is he within the safety perimeter?

# Crisis Centre



PC-NATO



PC-GOLD



+ Defence  
+ 2 local posts

# Organising the NATO-Summit 2018

Organising the movements of the 60 Heads of State



NATIONAAL GEOGRAFISCH INSTITUUT  
INSTITUT GEOGRAPHIQUE NATIONAL



# 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



Federale Overheidsdienst  
Binnenlandse Zaken



# 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?



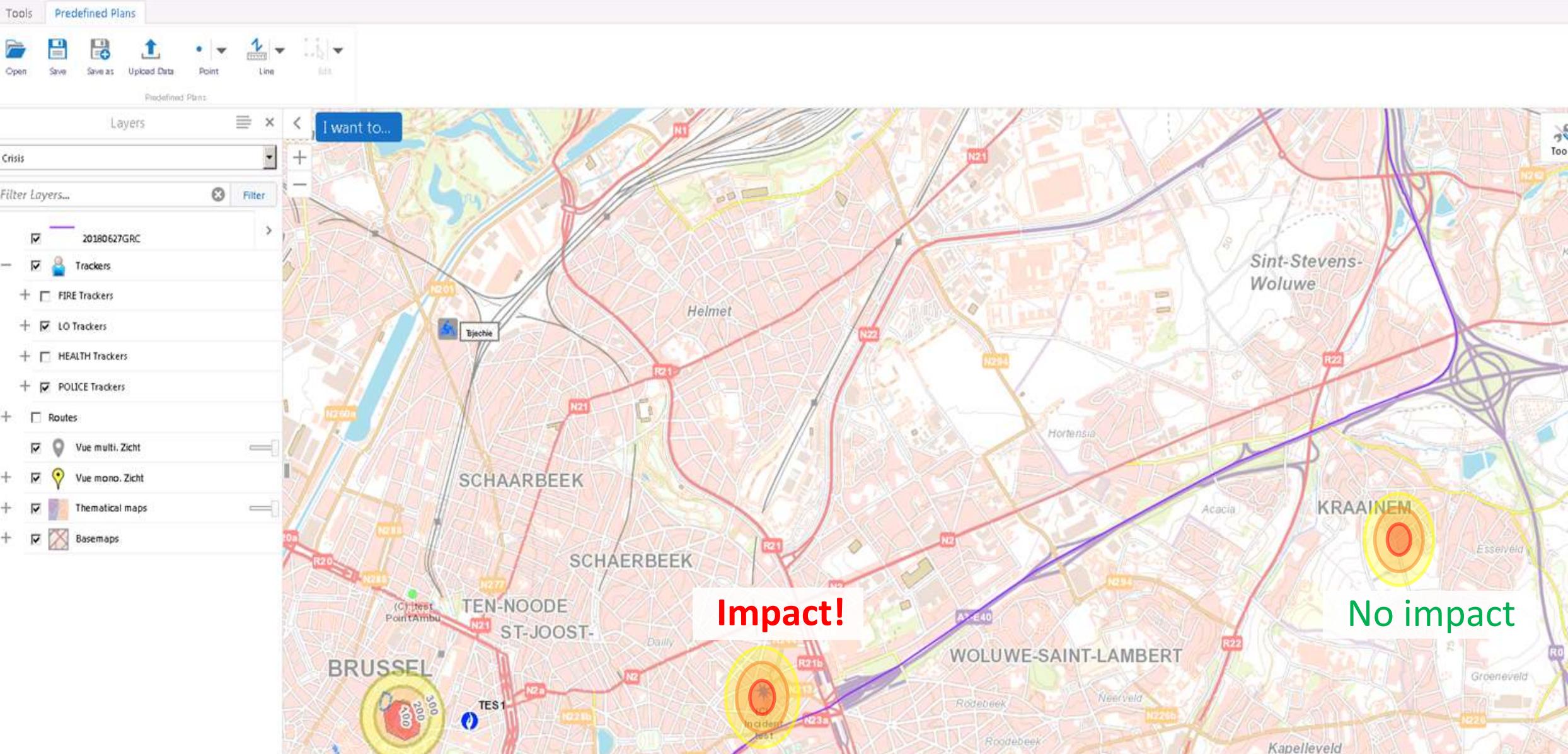
# Organising the NATO-Summit 2018

Incidents: MAJOR!



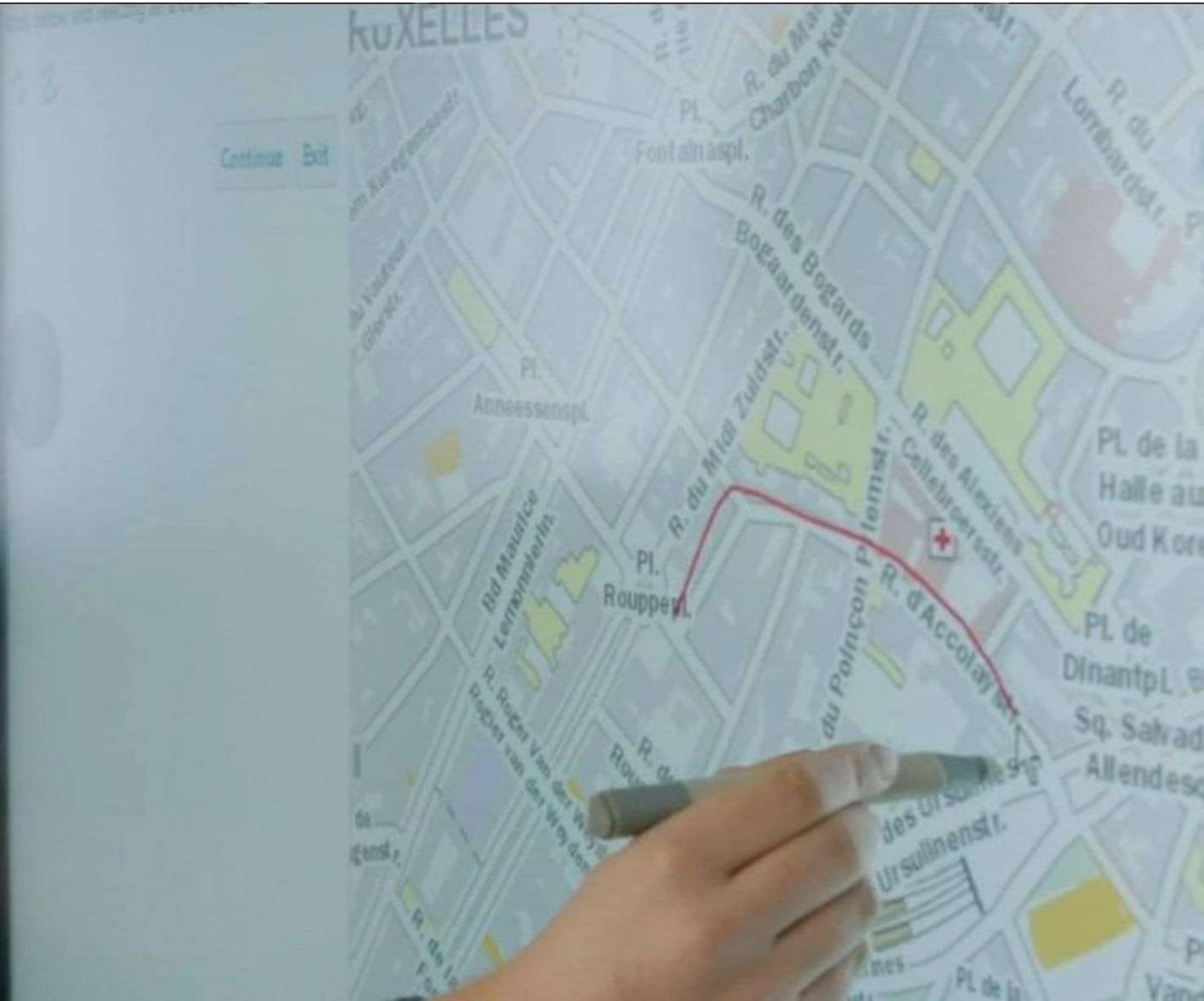
# Organising the NATO-Summit 2018

Insight on impact incidents on events and surroundings



# Organising the NATO-Summit 2018

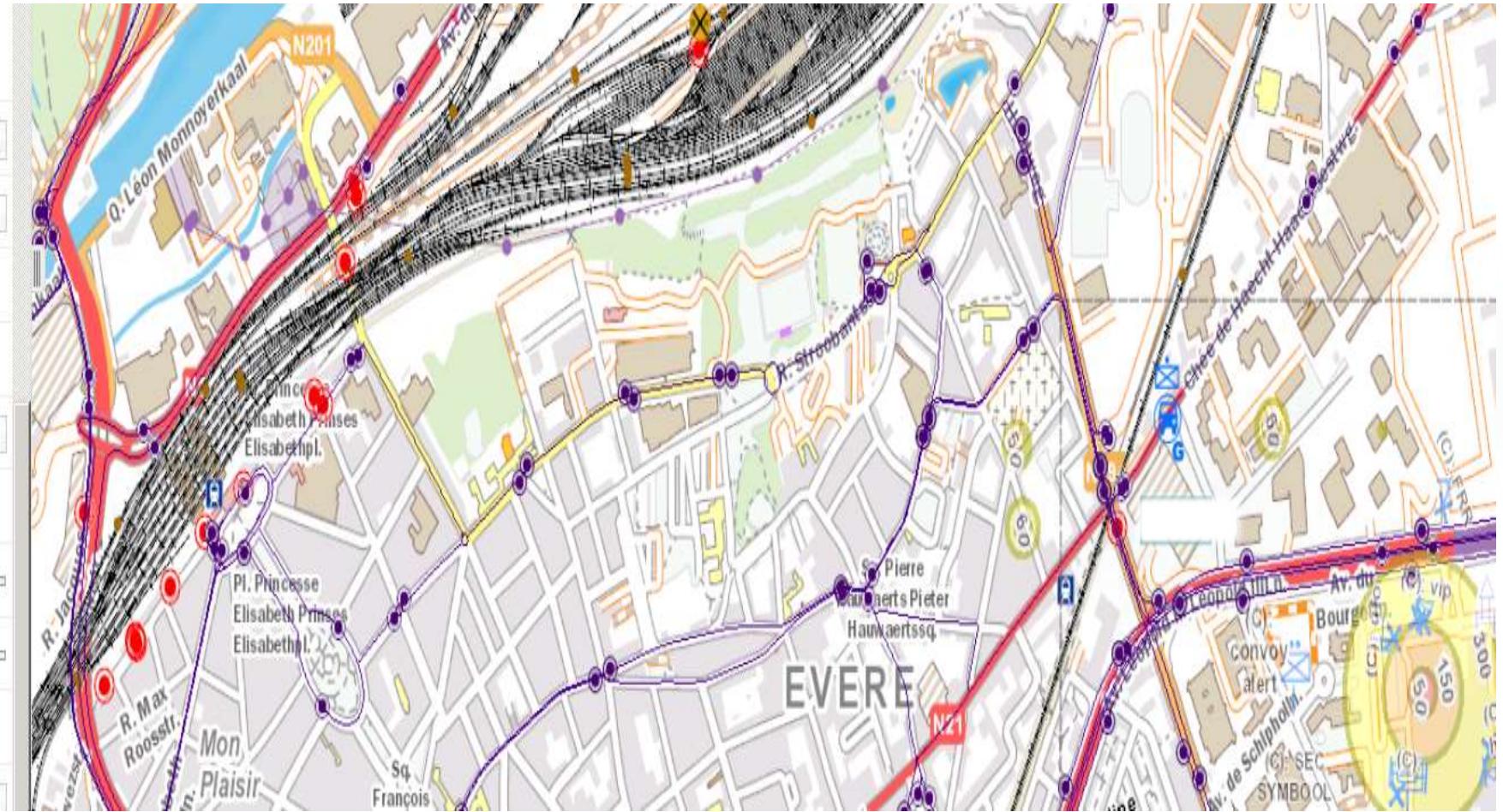
Drawing Incidents on the Map – Real time sharing

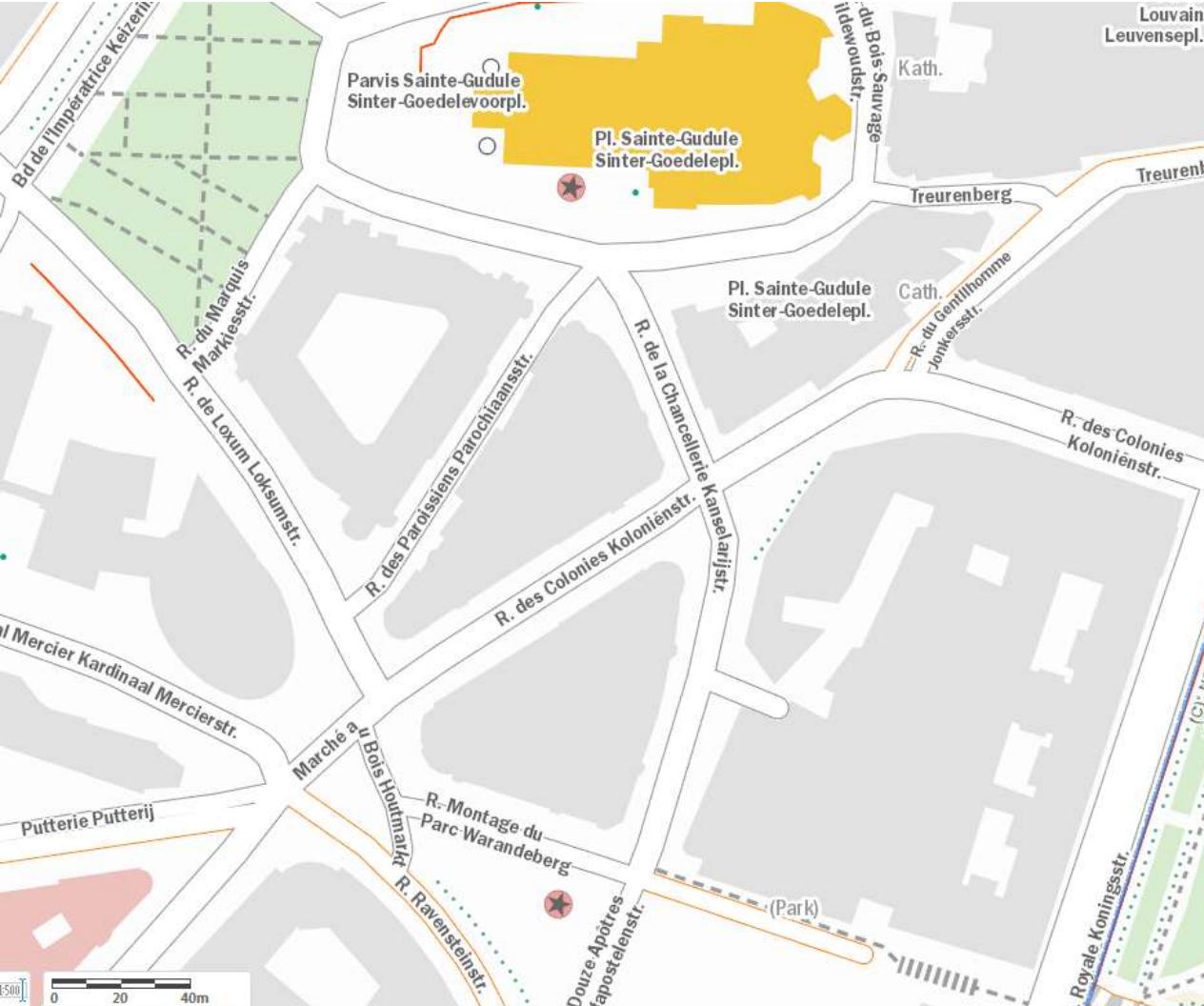


# Organising the NATO-Summit 2018

Surcharging all kinds of information – Filtering and Searching

- Thematical maps
- +  POI
- STIB
- STIB Stops
- STIB Routes
- +  Infrabel
- +  Europe Traffic
- +  NAT\_Hulpverleningszones
- +  NAT\_Politiezones
- +  GIPOD Public Information
- +  Index Grid





# CityCartoweb

# Cartoweb

# Organising the NATO-Summit 2018

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



# Organising the NATO-Summit 2018

A Uniform Grid - System

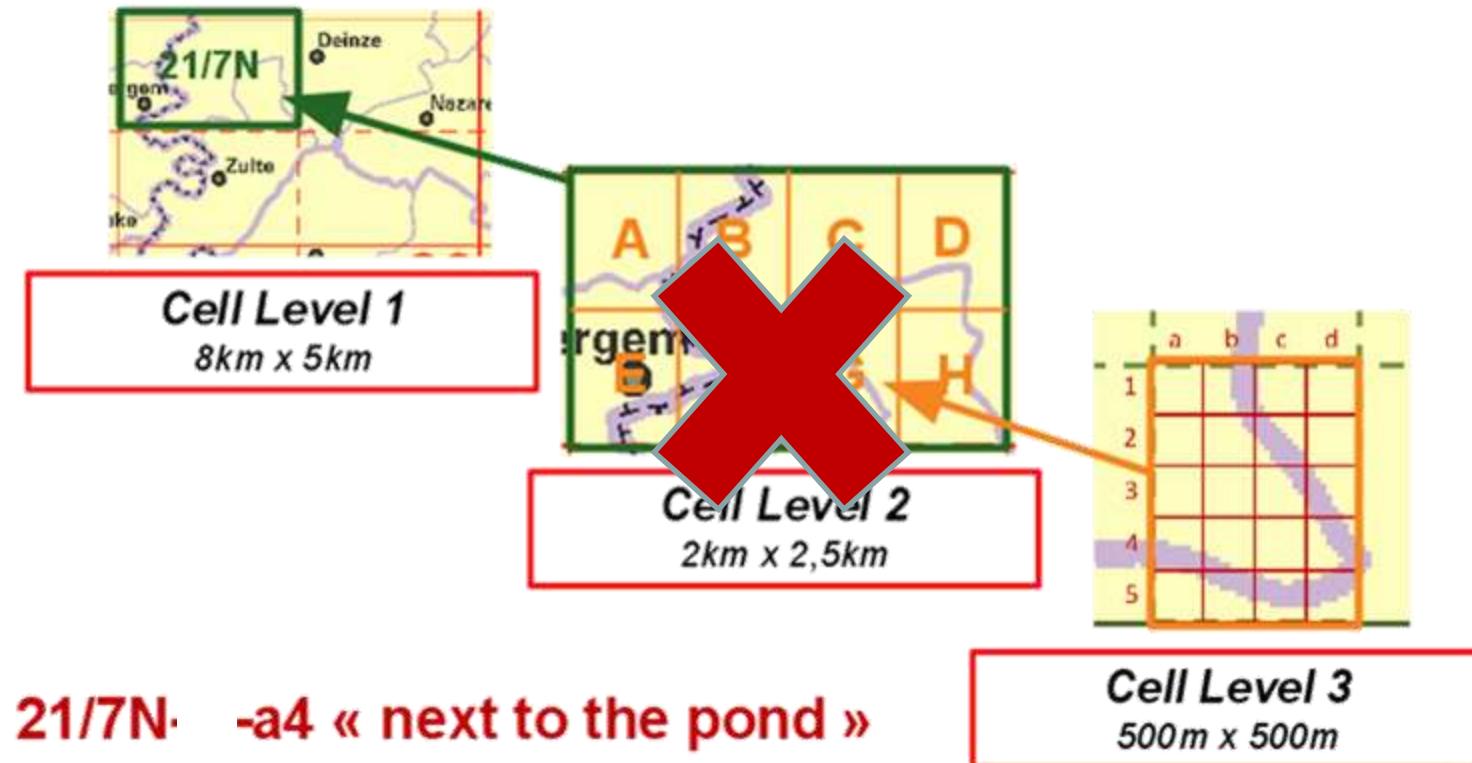
## Components map system

Base map Cartoweb.be

Thematic layers

Index grid

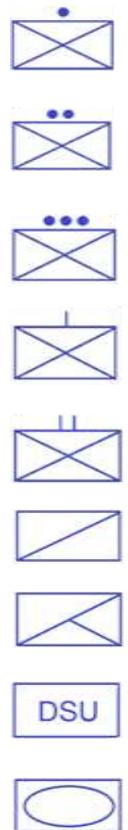
- Uniform positioning
- Matches standard map sheets



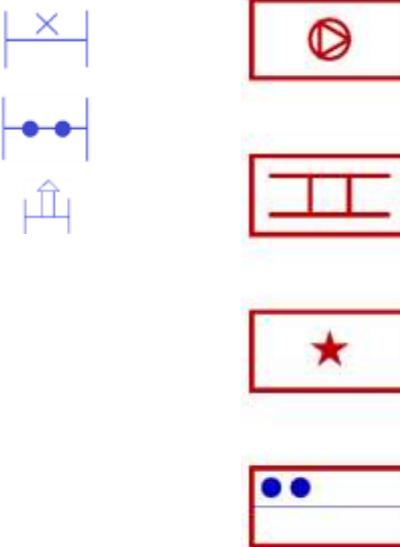
# Organising the NATO-Summit 2018

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

## Police



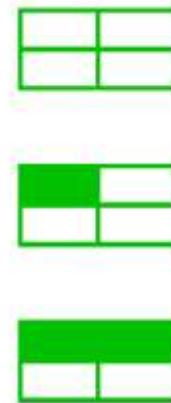
## Fire



Autopomp  
Autoladder  
Commando-wagen

Tankwagen

## Health



Ziekenwagen  
PIT  
MUG

# Organising the NATO-Summit 2018

## Conclusions

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



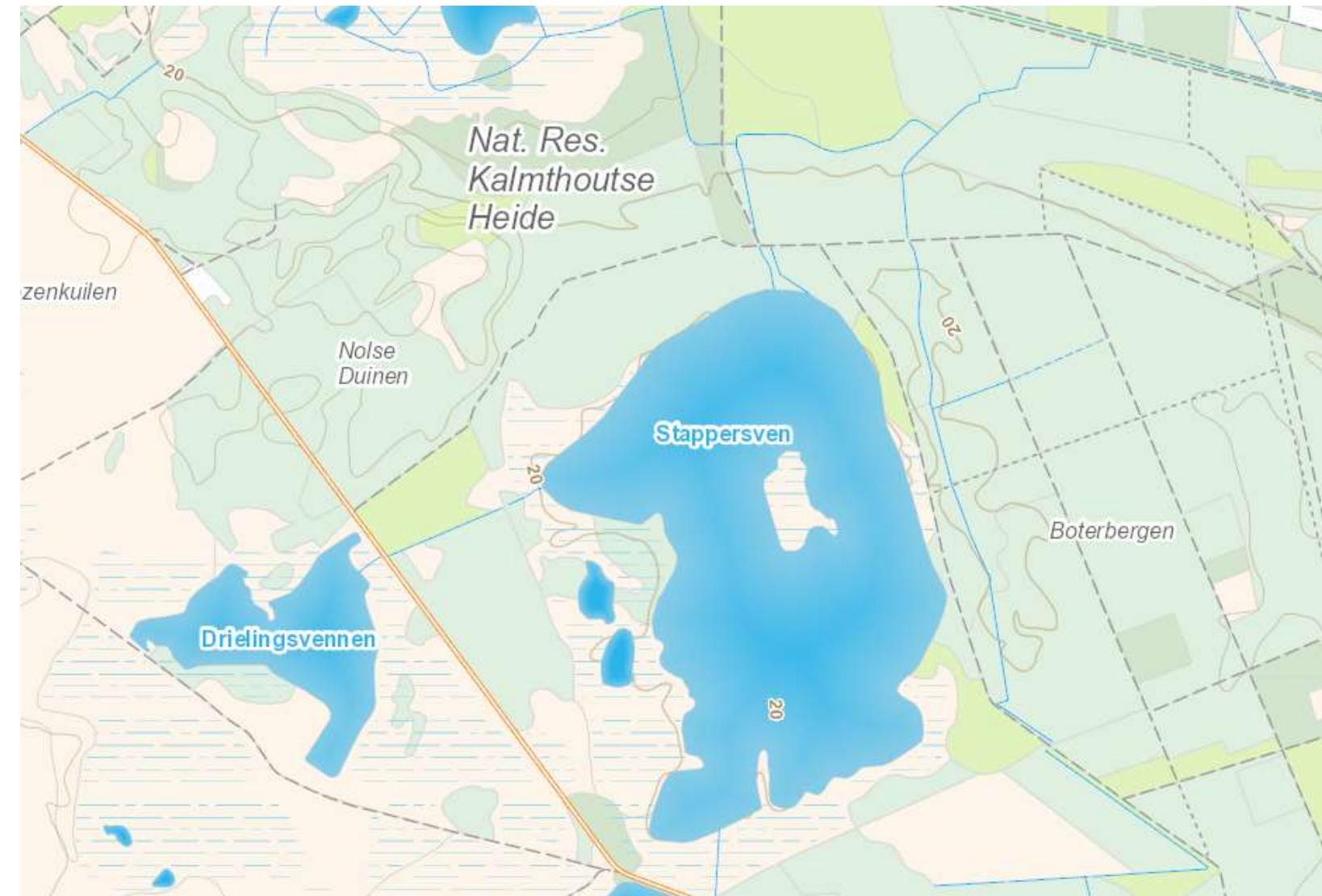
# Cartography for Wildfires

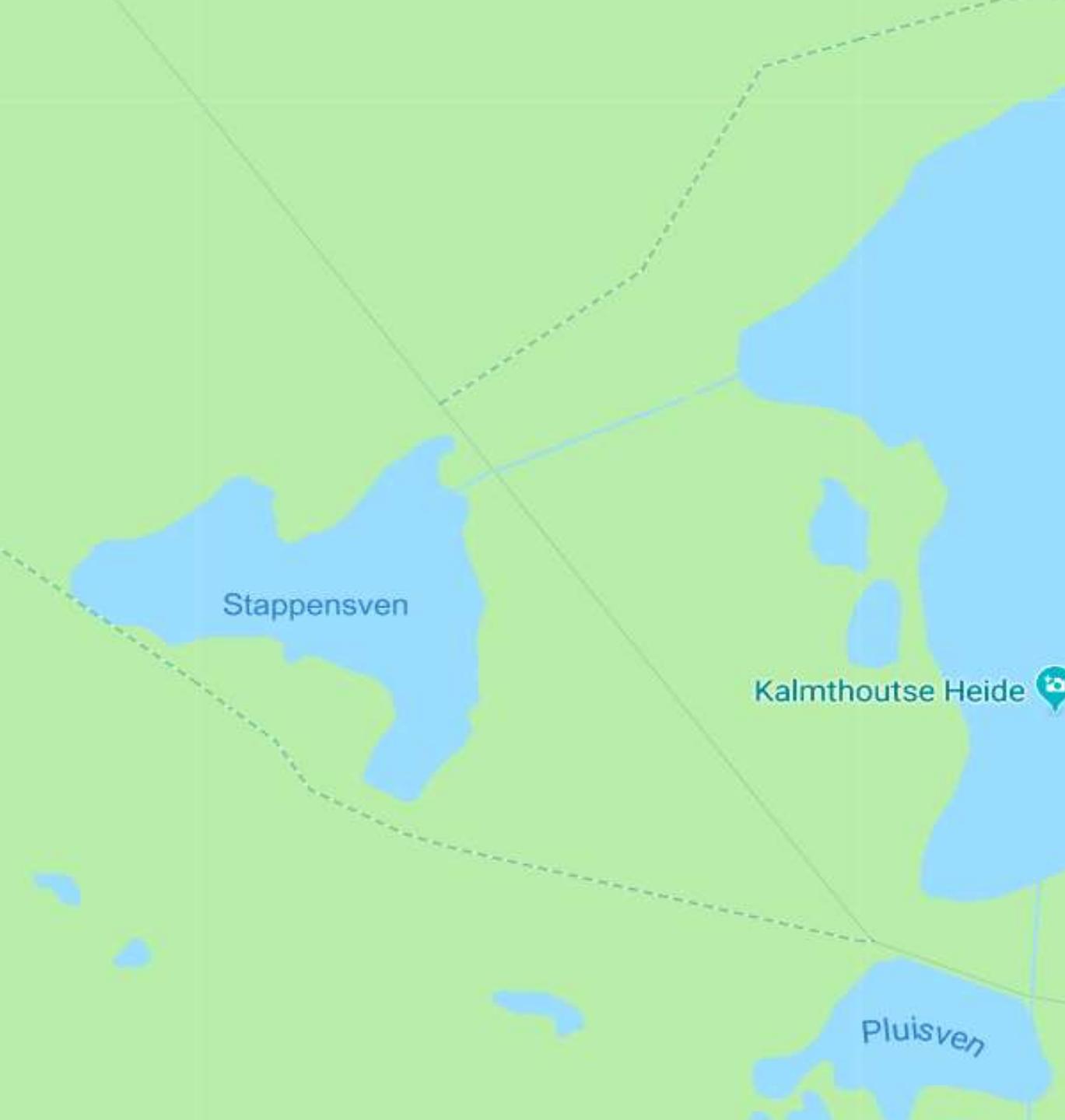
UCH POC

## 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

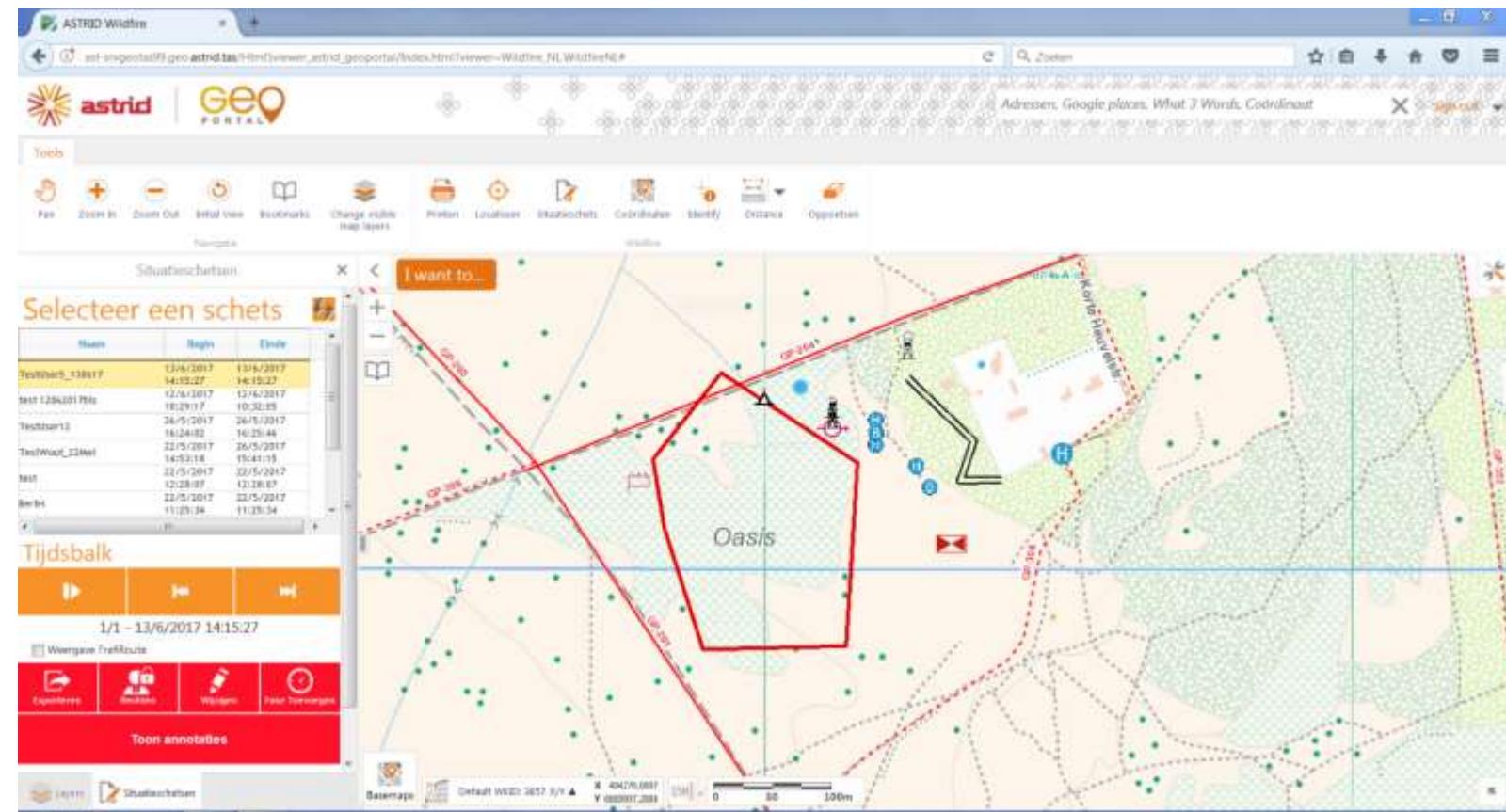
Base map Cartoweb.be

## 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

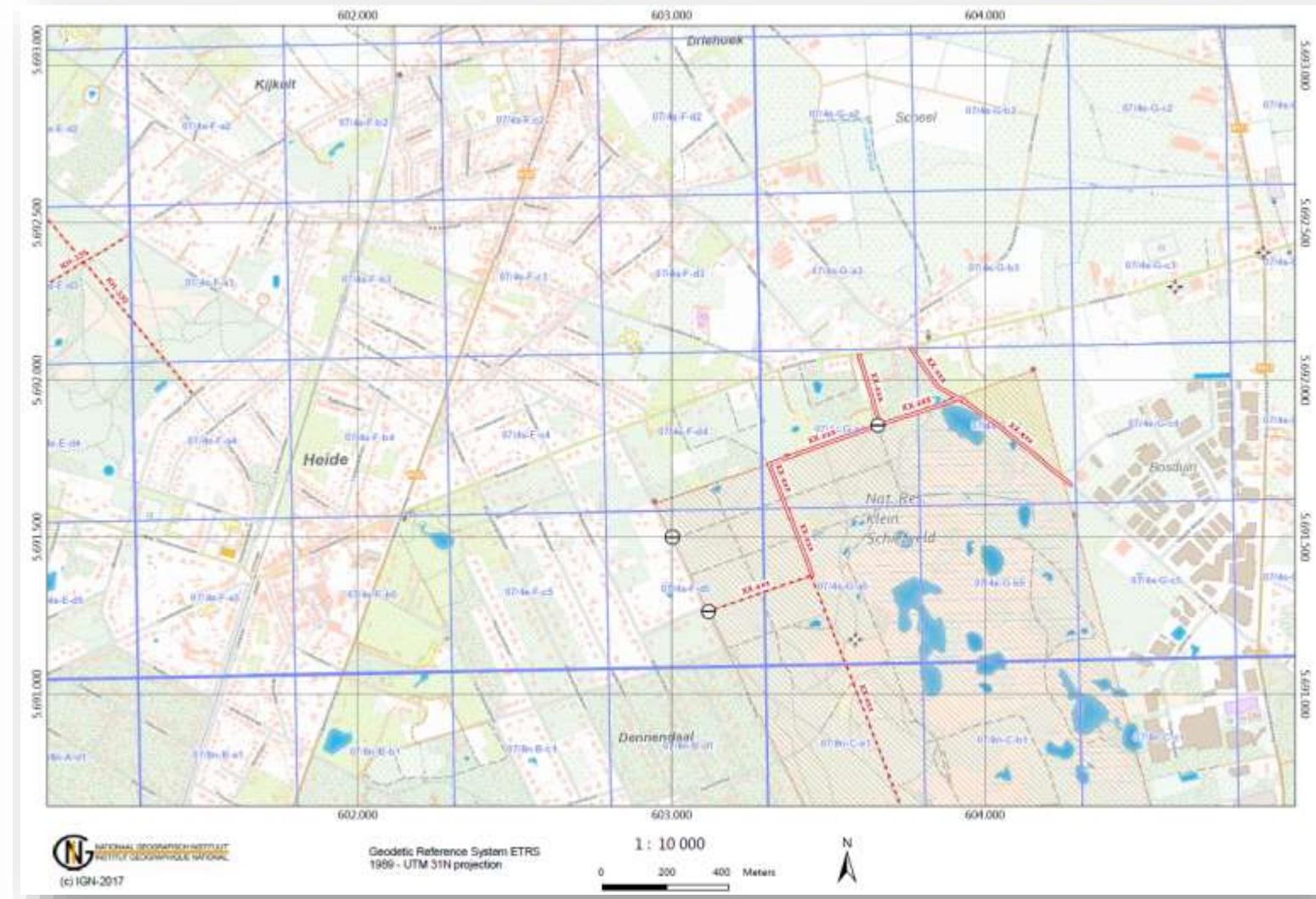
Thematic layers

Index grid

Online application

## Printed maps and atlases

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



# Cartography for the Emergency Services 2.0

UCH 2.0



## 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

# Cartography for the Emergency Services 2.0

UCH 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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