

POLIS

CITIES AND REGIONS FOR TRANSPORT INNOVATION

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Real time traffic predictions

The key to future traffic management

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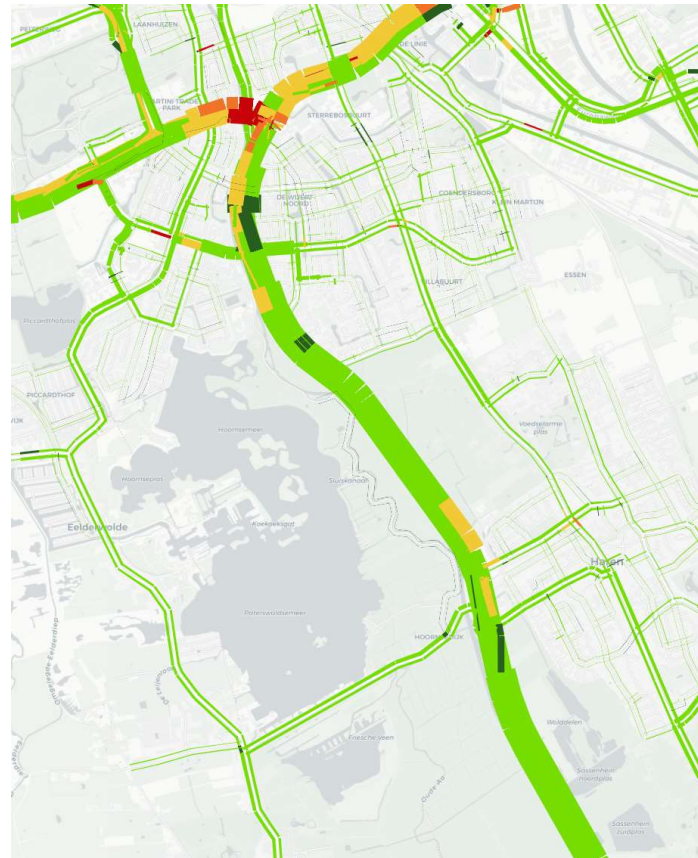


What will happen?

How long will traffic jams become?

Do I meet policy goals?

Where is the origin of a traffic jam?



How do I minimize traffic nuisance

What will happen if I do something?

How long will it last?

Goudappel
MOBILITY MOVES US





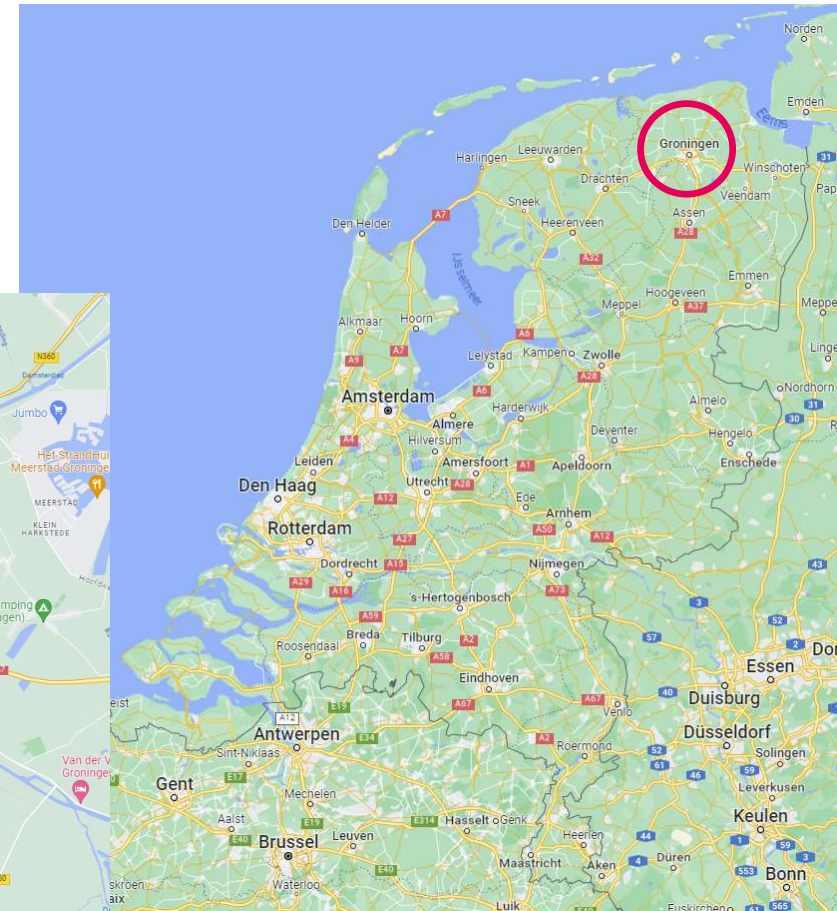
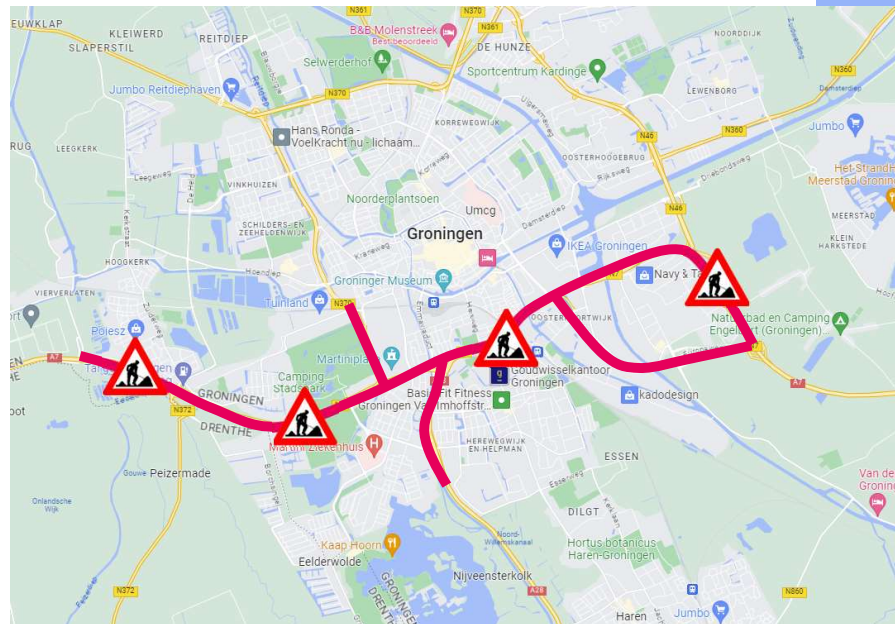
Pro-active traffic management

- Advantages
 - Mitigate or minimize nuisance
 - Multiple policy targets
 - Better informed choices
 - Automation



Use case Groningen, the Netherlands

- Reconstruction of highways A7 and A28
- Major road works between 2017 and 2024





Goals of Groningen

Minimize traffic disruptions,
maximize liveability

- Insight in current, multi modal, traffic state (COP)
- Insight in traffic state 30 minutes ahead (car and PT)
- Ability to use this for both operational and tactical traffic management





Context: digital governance of the public space

- Nationwide investments in digital governance to improve the usage of public space
- Goals:
 - Multimodal traffic management
 - Optimal use of public space
 - Pro-active management

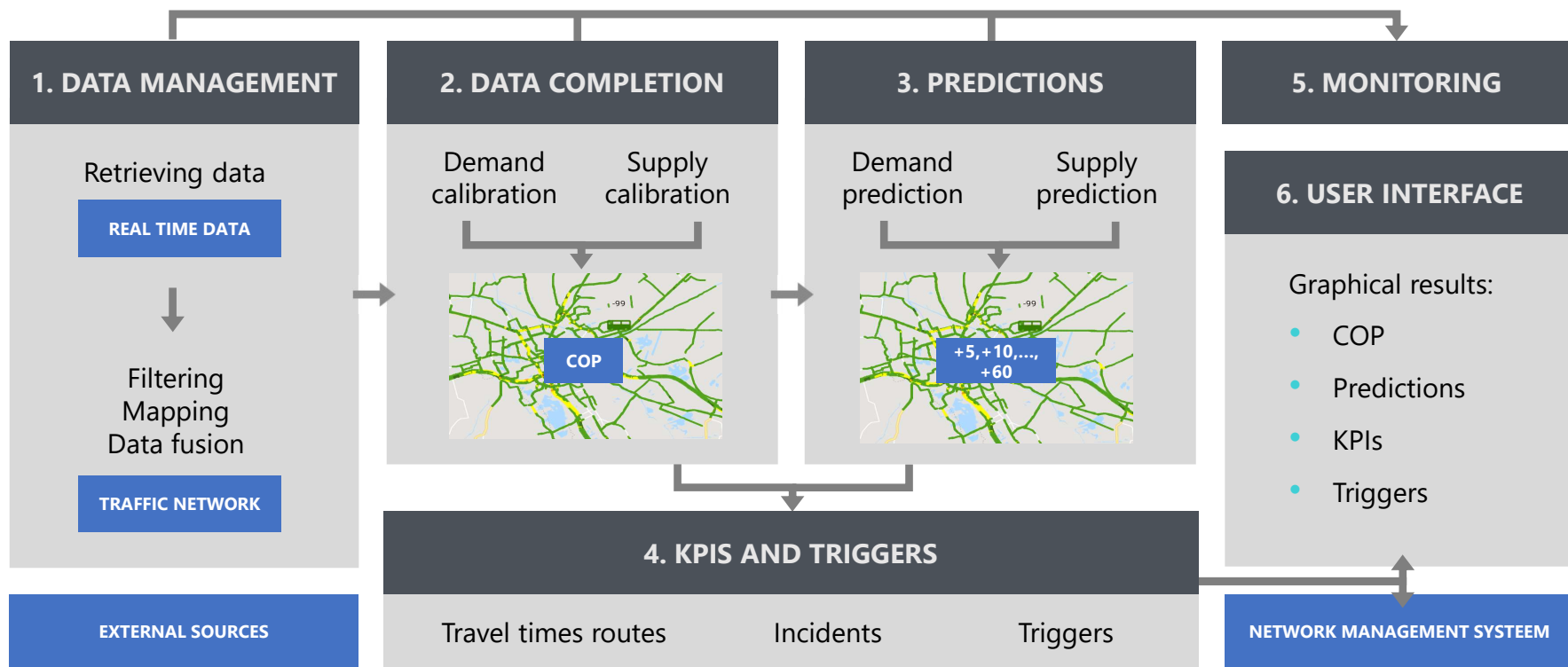


Behind the scenes: technical implementation

- Data collection
- Data enrichment
- Common operational picture
- Predictions up to 60 minutes



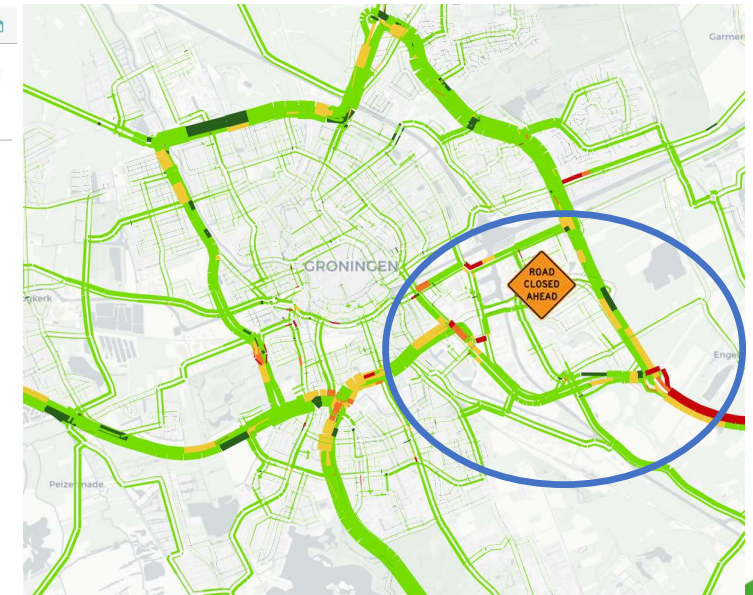
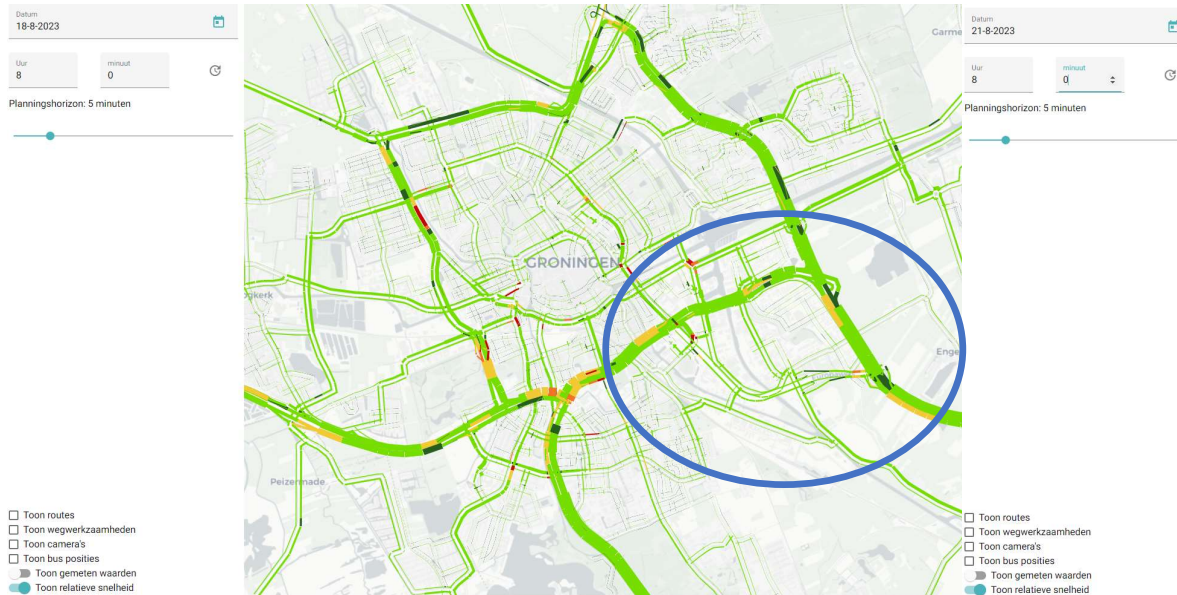
Model setup





Multimodal Traffic Prediction System

- Example of a road closure





**Thank you for
your attention!**



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