



Introduction to the C-Roads Antwerp-Helmond project

Gwynne van Kaauwen

October 2024



Co-funded by
the European Union

www.c-roads.eu

The C-Roads Partnership

- **50 European cities**

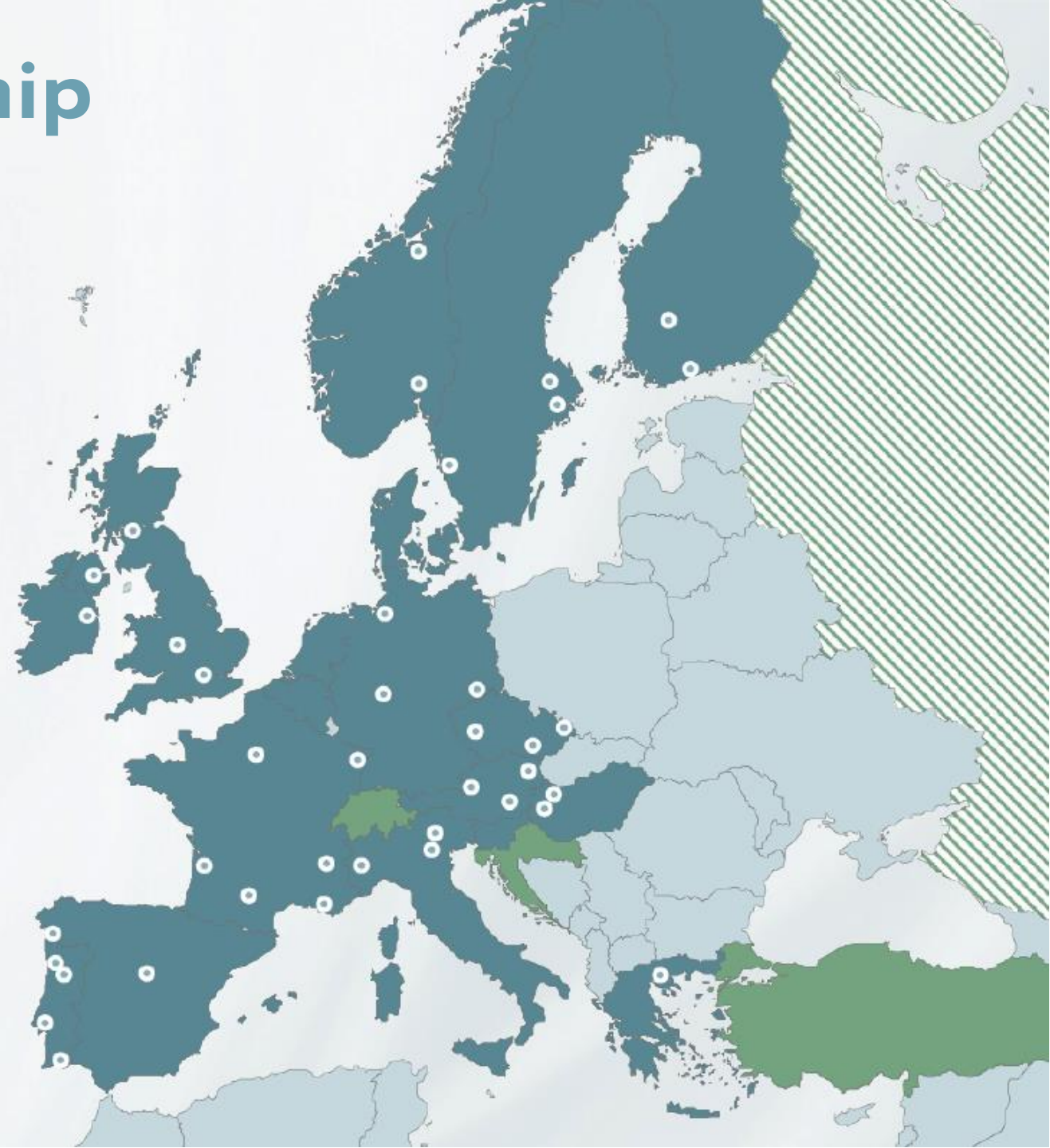
Start with C-ITS roll out in urban areas

- **Short-range C-ITS**

20,000 km European roads equipped with C-ITS

- **Long-range C-ITS**

100,000 km European roads covered by C-ITS services



Goal of the C-Roads Platform

- Linking all C-ITS deployments
- Develop, share, and publish common technical specifications
- Planning intensive cross-testing to verify interoperability
- Develop system tests based on the common communication profiles, focusing on hybrid communication mix, which is a combination of ETSI ITS-G5 and operational cellular networks

C-Roads Antwerp (BE) - Helmond (NL)

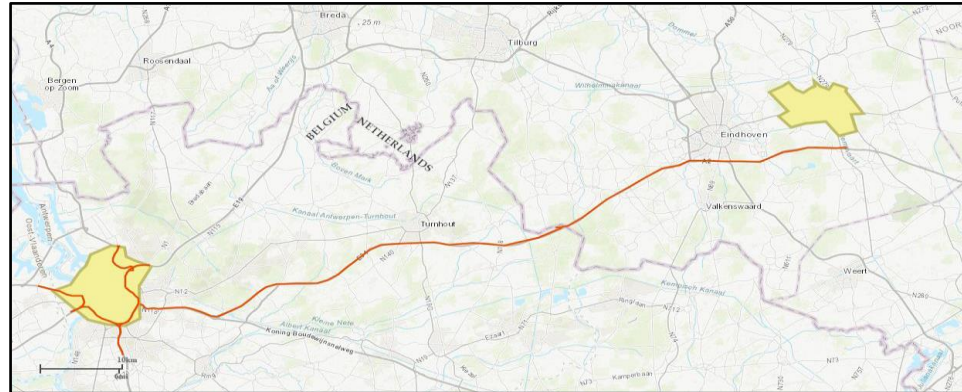
- November 2022 - October 2024
- Our consortium consists of the following 9 partners:



The project set-up

- Two cities involved:

Antwerp



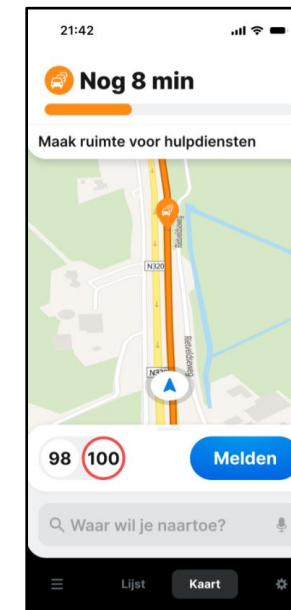
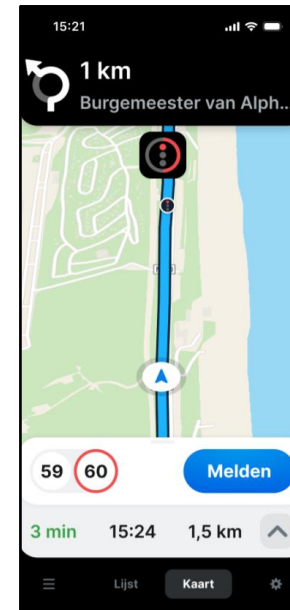
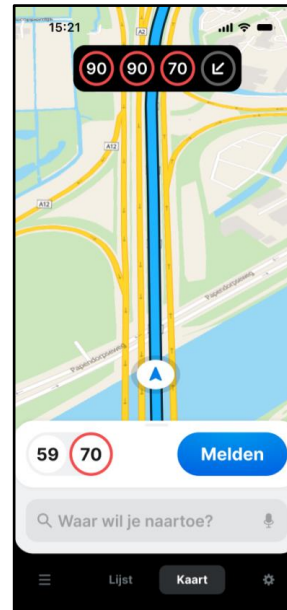
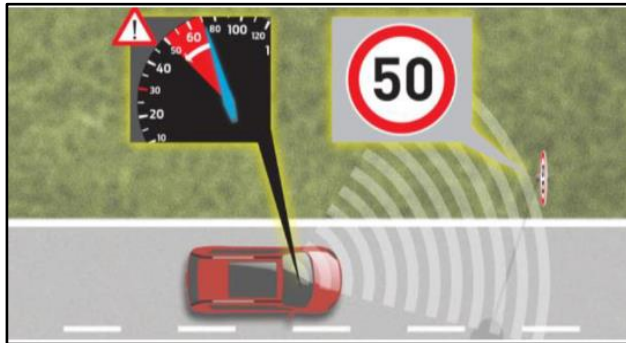
Helmond



The project goals

- Deployment of **combined Day-1 and Day-1.5 C-ITS services** in Antwerp and Helmond
- Cross-border and **interoperability testing** of the services between Antwerp and Helmond
- **Evaluation** of the different services on:
 - Functional aspects
 - Impact assessment
 - User acceptance
- Development of **scalability and implementation strategies** for the different services. → **session 5**

- **C-ITS & ADAS** (Advanced Driving Assistance Systems)
 - Intelligent Speed Assistance: ISA-system → [session 1](#)
 - Real-time traffic information: Flitsmeister → [session 2](#)

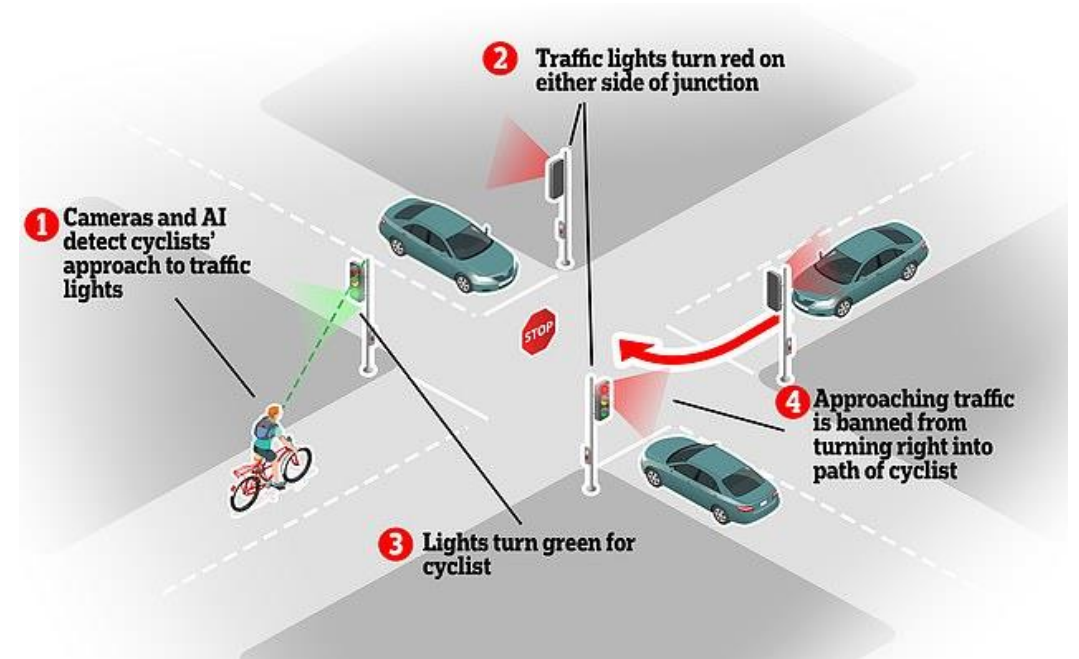


- **C-ITS & UVAR** (Urban Vehicle Access Regulation)
 - Access restrictions for trucks
 - Cut-through traffic warnings
 - Temporary speed restrictions near school areas → [session 2](#)
 - Tunnel height warnings
 - Speed restrictions for active mobility users (slow-speed zones) → [session 3](#)



- **C-ITS & (urban) mobility services**

- Truck buffering
- P&R information
- Traffic light priority for trucks and bicycles → [session 4](#)



Conference programme

- A word from CINEA
- Results of the pilots
 - Session 1: ISA
 - Session 2: Real-time traffic information
 - Session 3: Slow-speed zones
 - Session 4: Traffic light priority
- Session 5: Recommendations, ecosystem, and implementation strategies

Contact information

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- **Project website**

- www.croads-antwerpen-helmond.eu

- **C-Roads Platform**

- www.c-roads.eu