



# Cooperating Systems in the Swedish test site

CVIS & SafeSpot

**David Rylander**  
**Project Manager**  
**Volvo AB, Sweden**



Information Society  
and Media



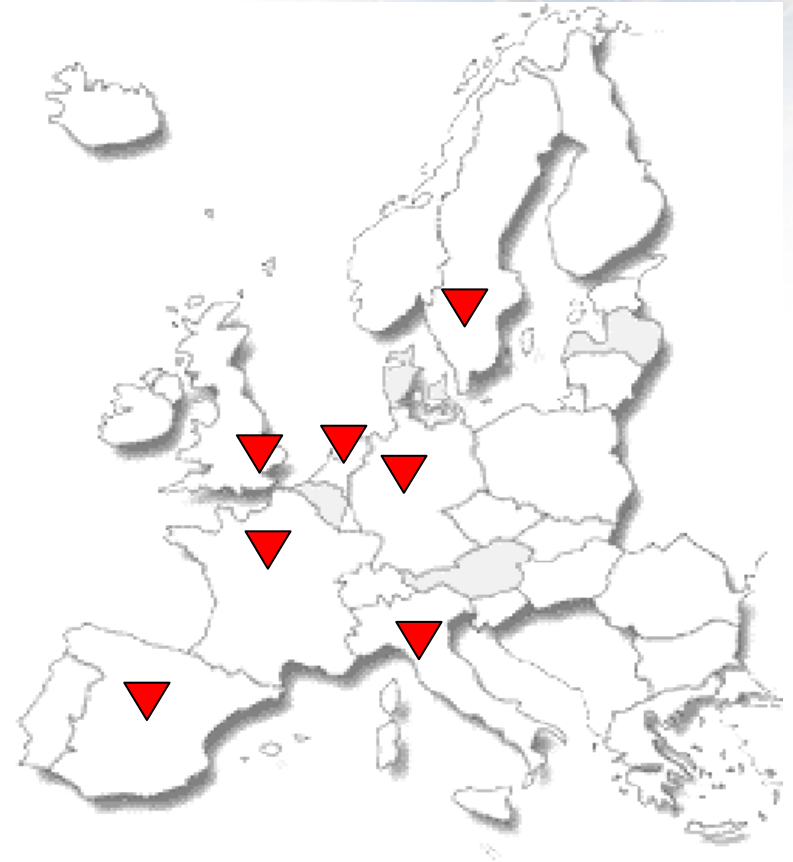
# Cooperative project test sites

## Integrated Project: CVIS

- **Partners:** 61
  - **Duration:** 48 months (Feb 2006 – Jan 2010)
  - **Overall Budget :** 40.8 MEuro
  - **Swedish Test Site Partners**
    - Lindholmen Science Park
    - Volvo Technology AB
    - Swedish Road Administration
    - PTV
- 

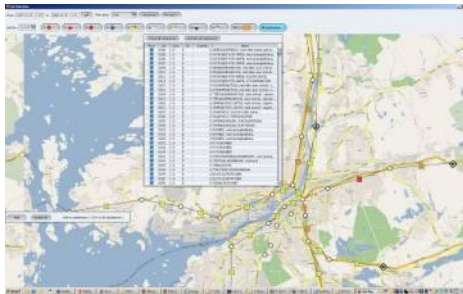
## Integrated Project: SAFESPOT

- **Partners:** 51
- **Duration:** 48 months (Feb 2006 – Jan 2010)
- **Overall Budget :** 37.9 MEuro
- **Swedish Test Site Partners**
  - Volvo Technology AB
  - Swedish Road Administration
  - Kapsch Trafficcom
  - (Lindholmen Science Park)



# Other Ongoing projects at TSS relevant for Cooperative systems

- Dangerous goods monitoring
  - Test and validate road side/camera system for monitoring dangerous goods



- ITS Simulator

- Develop a virtual test & demonstration platform for ITS solutions



# Challenges for Test Sites

- To test and validate new technology, application and service solutions impact on safety, security, efficiency and environment
- To demonstrate and show the benefits for new ITS solutions to create awareness among policy makers, industry and end users

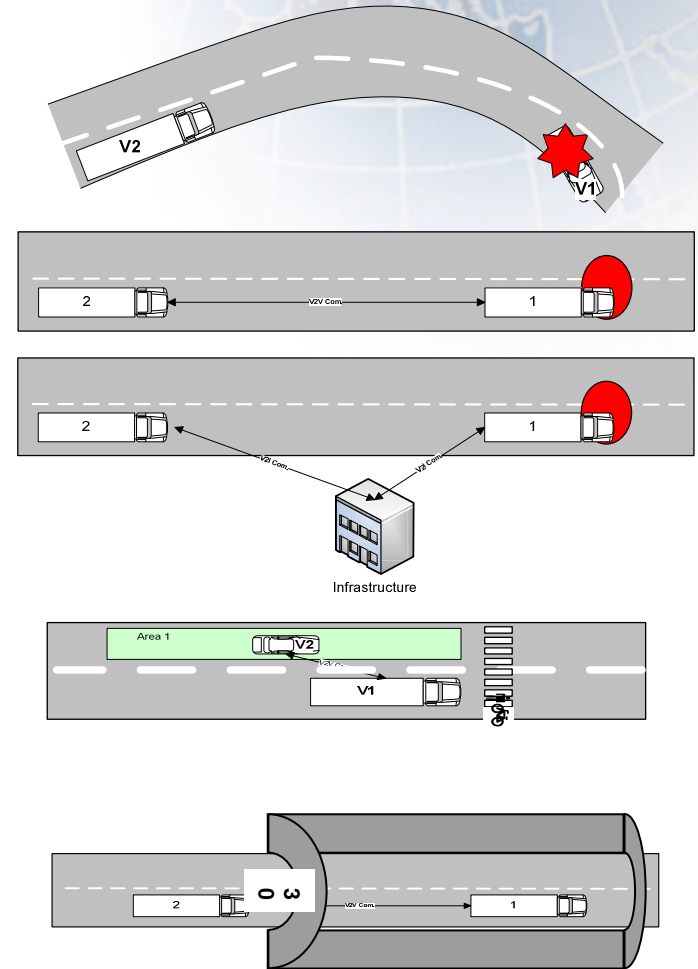
# New cooperative vehicles



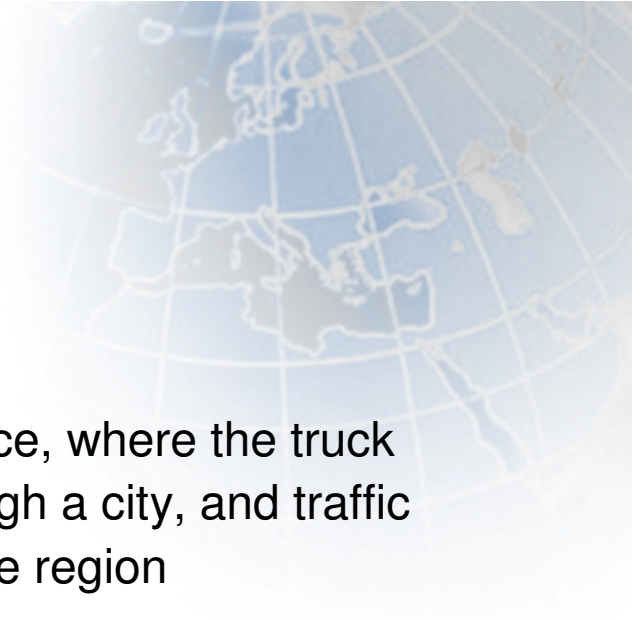
Sub meter accurate positioning  
LDM (Real time geo-database)  
CALM & VANET communication  
Vehicle Gateway for CAN data

# Cooperative SafeSpot Applications Test Site Sweden

- Frontal collision warnings V2V, V2I
- Road Condition Status (1) V2V
- Road Condition Status (2) V2I
- Vulnerable Road user detection V2V
- Speed Limitation and Safety Distance  
V2V, V2I



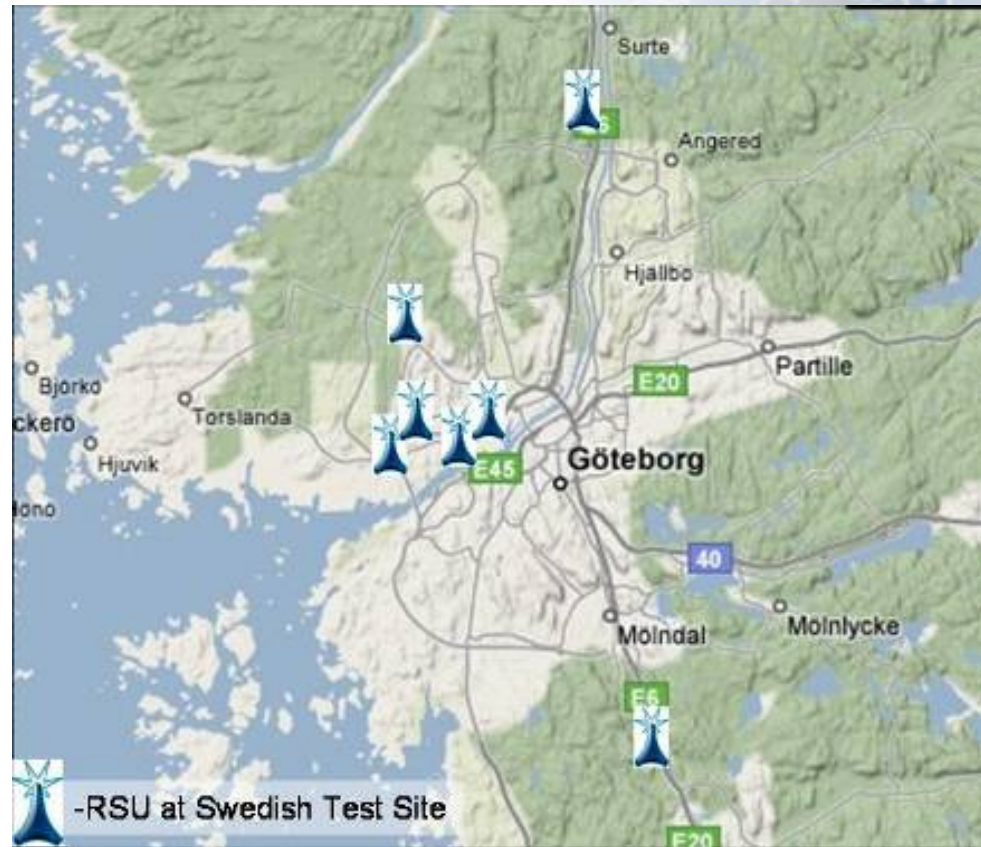
# Cooperative CVIS Applications Test Site Sweden



- CF&F: Dangerous goods monitoring and route guidance, where the truck driver gets the support to select the proper route through a city, and traffic managers get an overview of sensitive transports in the region
- CINT: Enhanced Driver Awareness, allowing drivers to be up-to-date with the latest traffic rule information for the local area and safety critical events.  
Examples:
  - Ghost Driver detection
  - Dynamic speed alert
- COMO: Cooperative Monitoring, in which the vehicles and drivers effectively share real-time traffic information between themselves and the public authorities

# Location: Gothenburg, Sweden

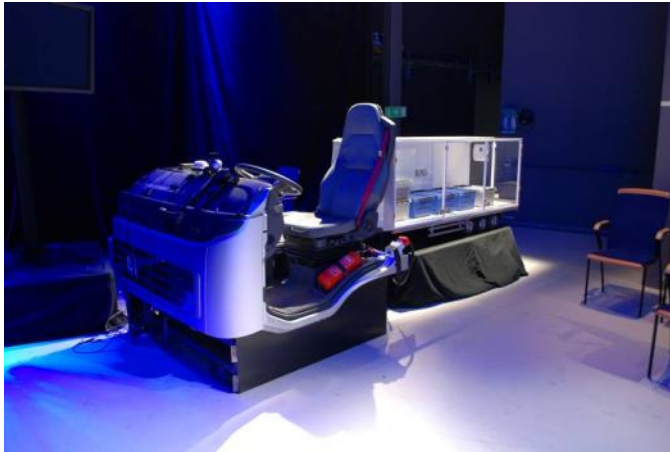
- 1 Lindholmen Science Park
  - Demo site
- 2 Road tunnels
  - Lundby Tunnel
- 3 Closed Test Track
  - Storaholm
- 4 Urban Road
  - RV45
- 5 Highway
  - E6 Highway

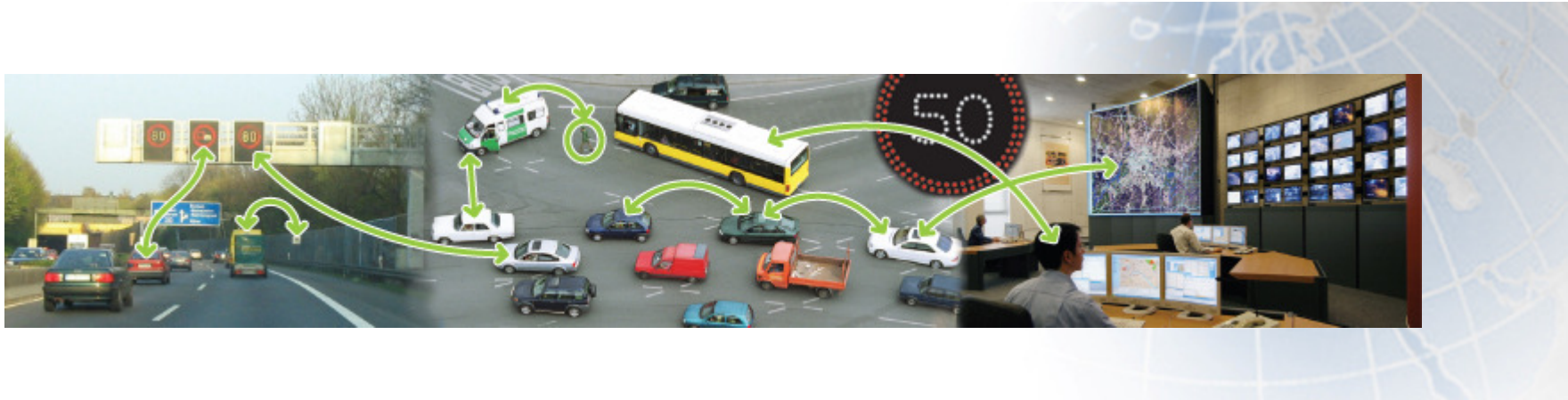


Test Site Location is the same as CVIS



# Cooperative Systems/ITS Simulator





**Thank You for your attention**

**Questions?**



[www.safespot-eu.org](http://www.safespot-eu.org)



[www.cvisproject.org](http://www.cvisproject.org)



Information Society  
and Media