



# Transition Areas for Infrastructure-Assisted Driving

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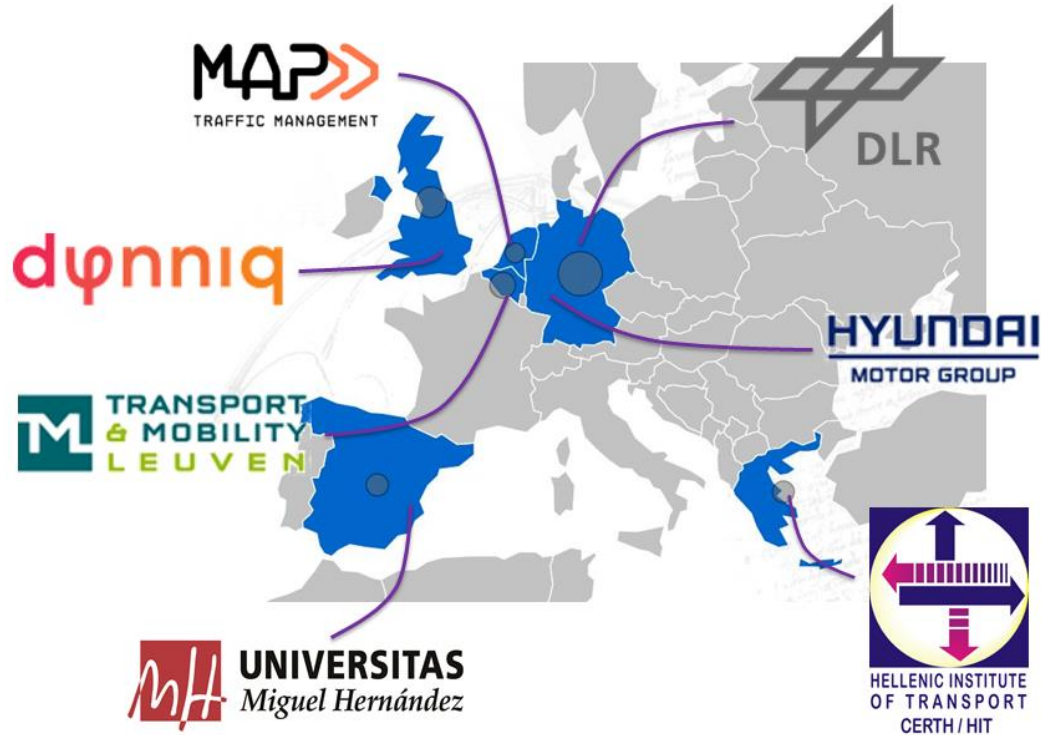
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# Background

- How can traffic management assist...
  - ... a mixture of automated, connected, and conventional vehicles?
  - ... at transition areas?
  - ... with various levels of automation?
  - ... with various communication facilities?
  - ... taking the impacts on traffic safety and efficiency into account?

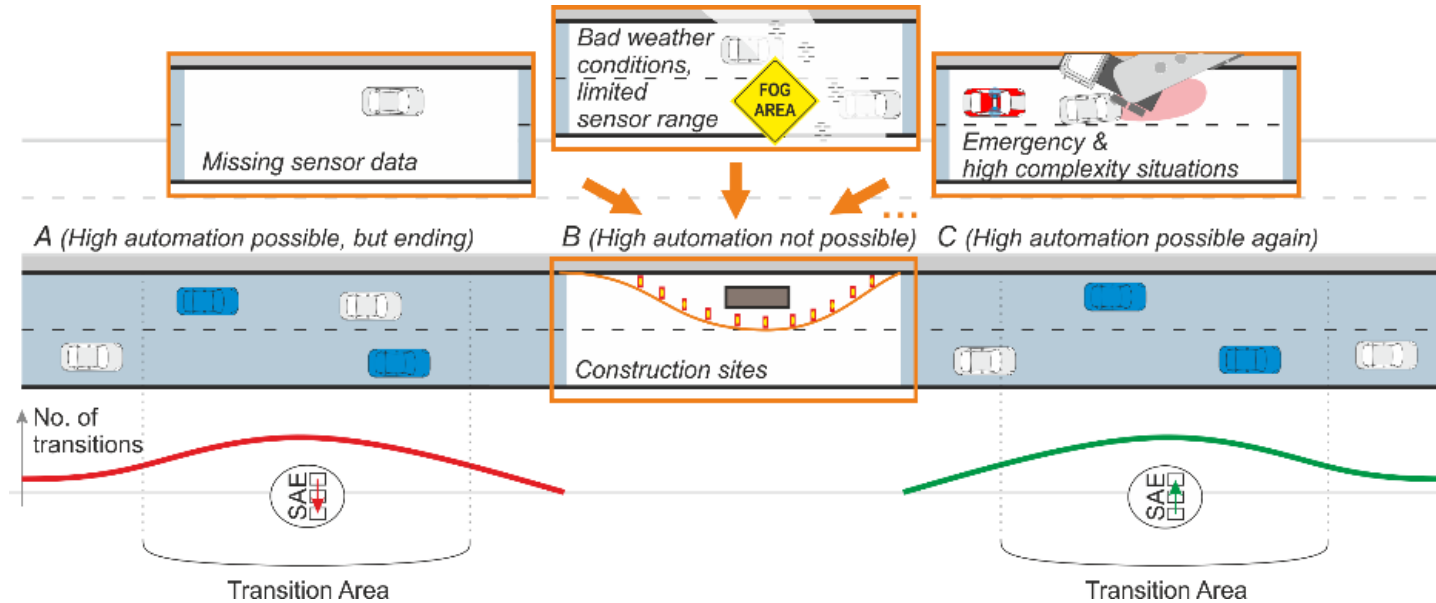
# Our partners



Associated partners: Attikes Diadromes, Car2Car-Communication Consortium, DGT, ECTRI, EURECOM, Huawei, IKUSI, ITS Niedersachsen, Region of Central Macedonia, Rijkswaterstaat, TRL, and University of Twente.

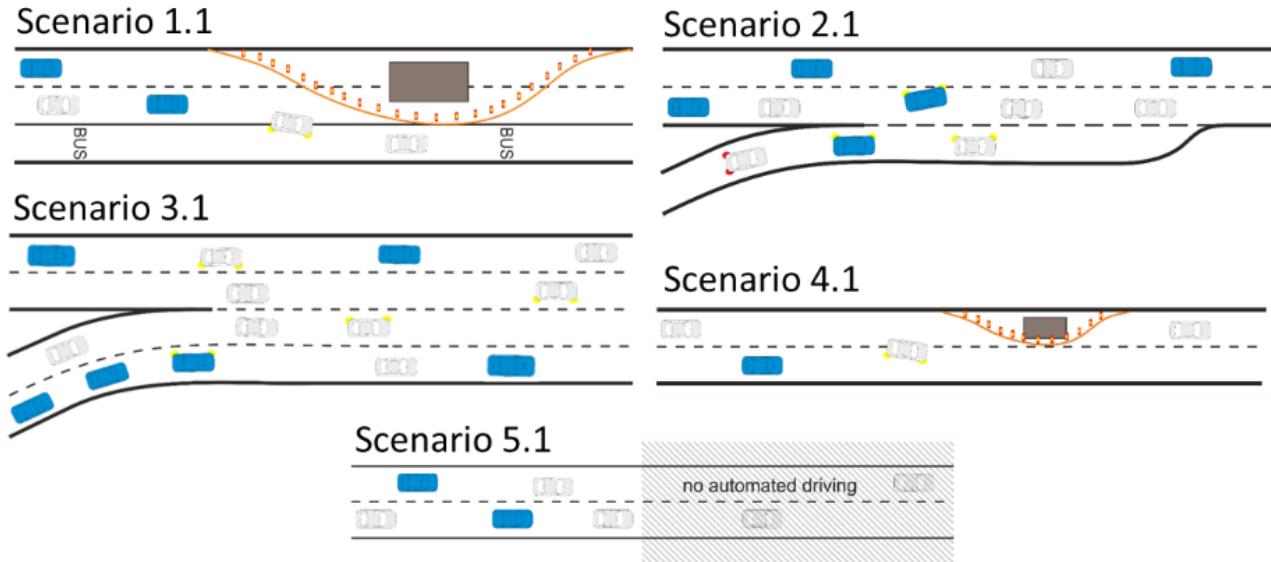
# What are Transition Areas?

*These are areas on the road where transitions of control will happen more often.*

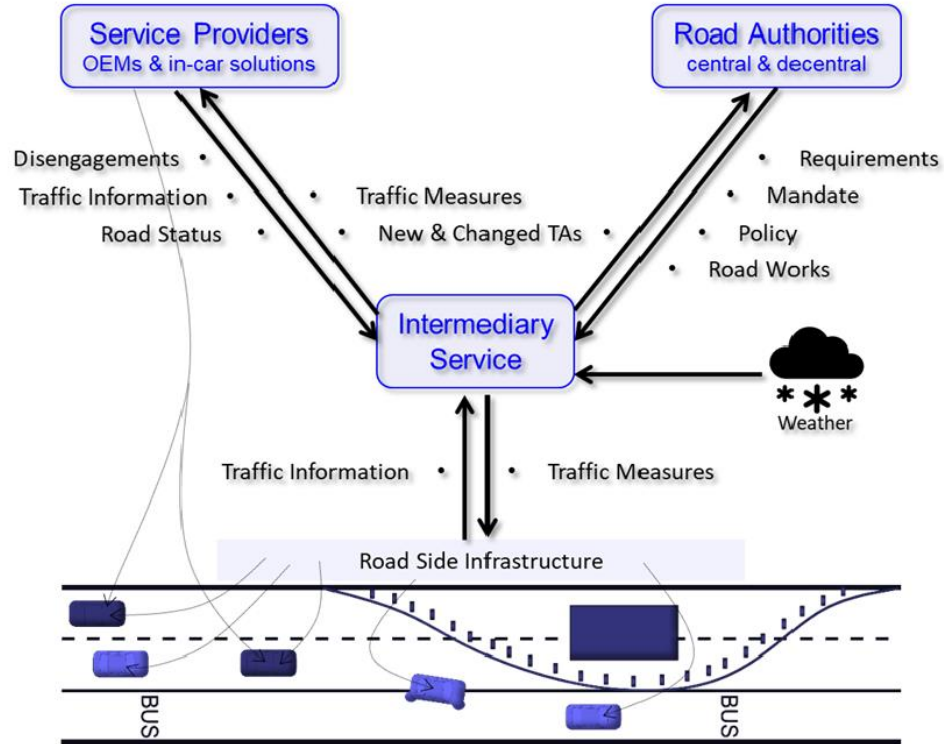


# Some interesting scenarios with Transition Areas

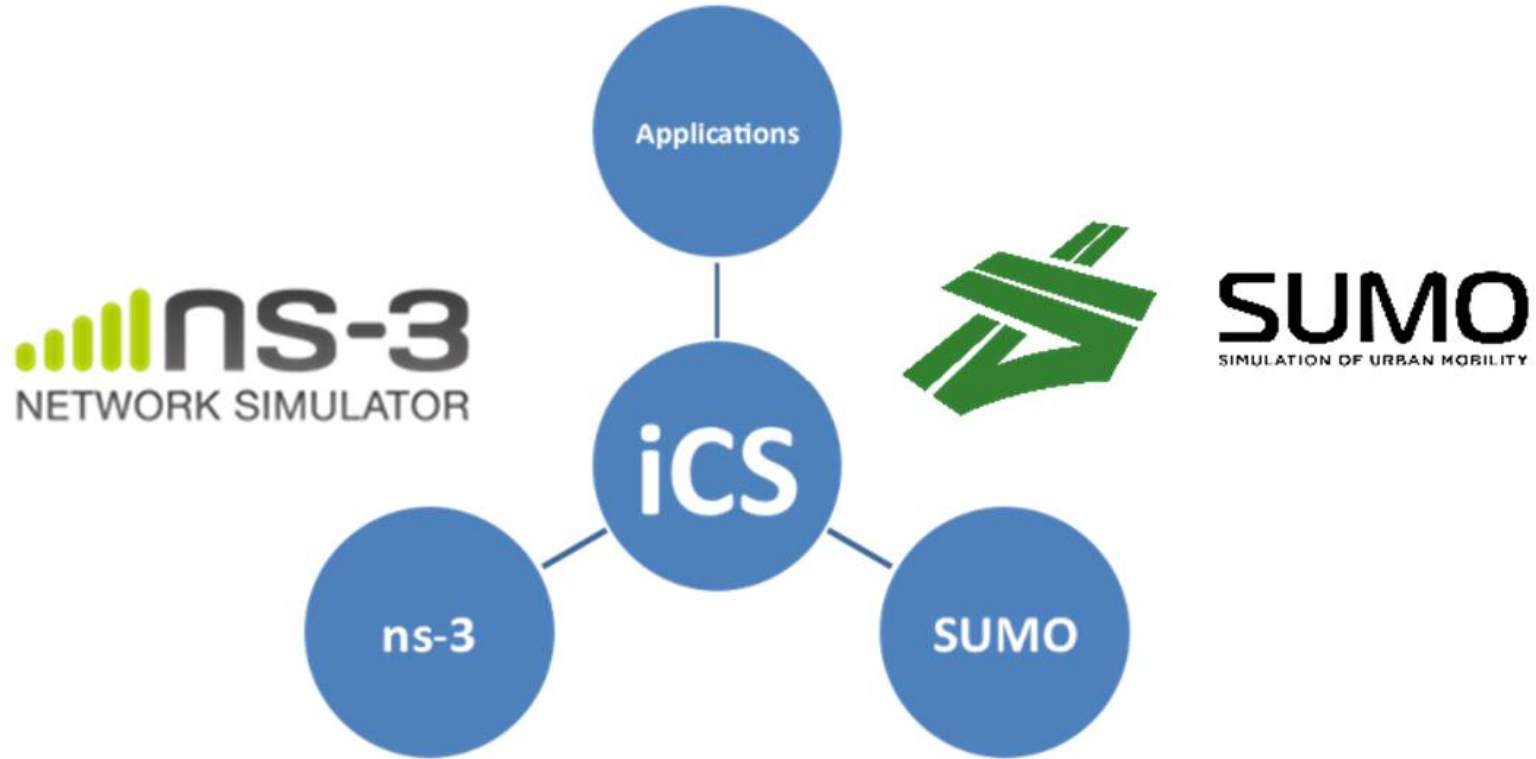
*Lanes blocked, merging on motorways, traffic separation, safe spots, ...*



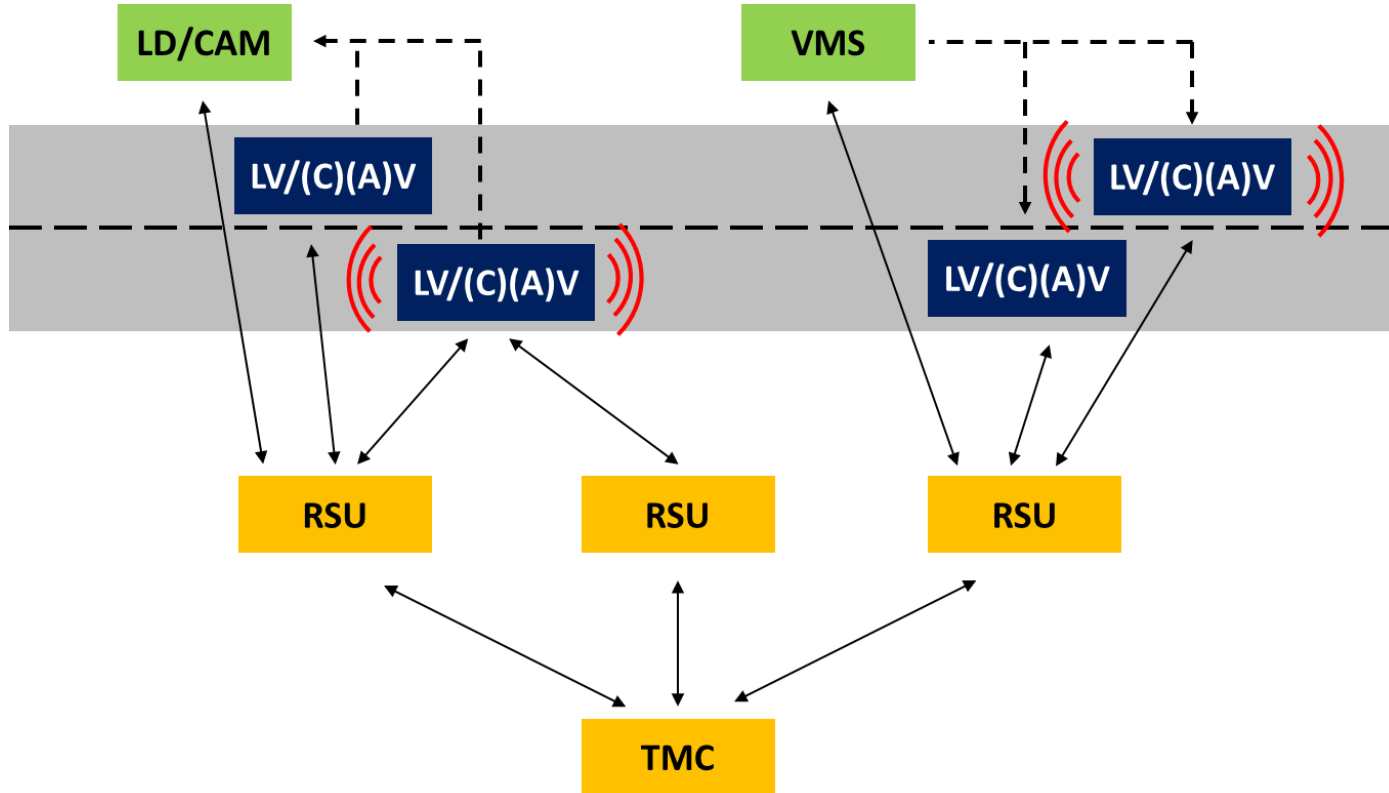
# TransAID acts as an intermediary service provider for traffic management



# What is under the hood?

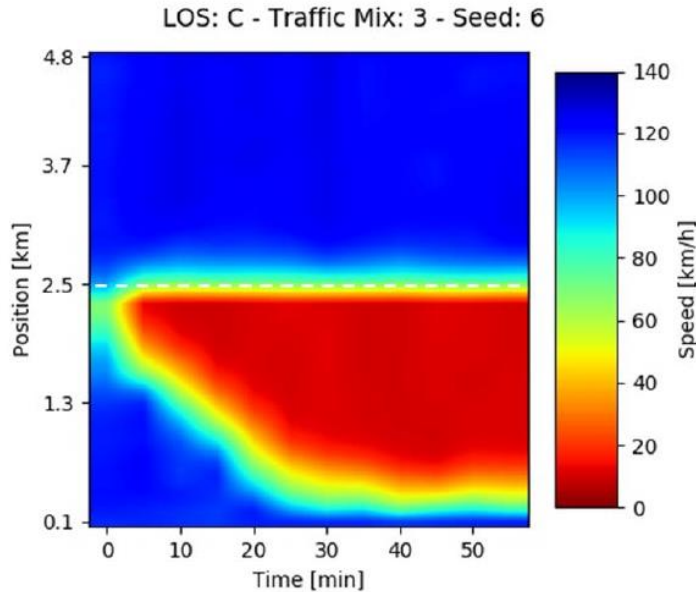


# High-level overview: V2V and V2X communication

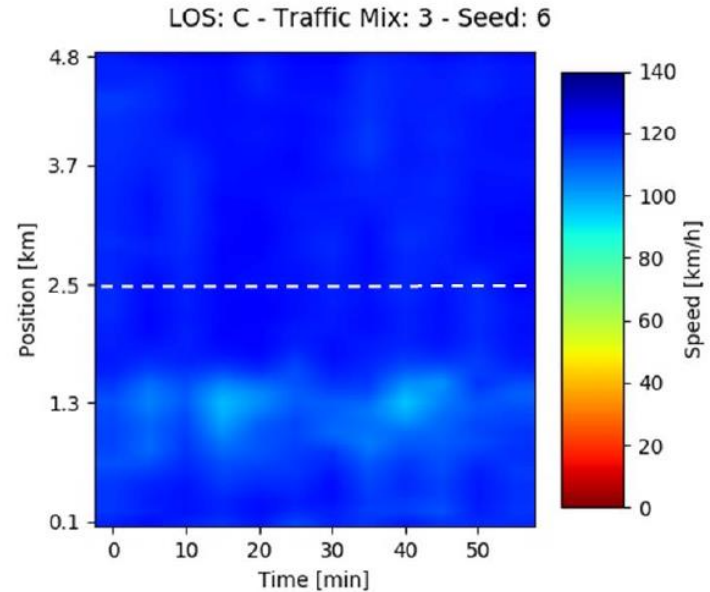




# Example: TransAID solves congestion by distributing take-over requests



**Without traffic management  
(heavy congestion queue)**



**With traffic management  
(smooth traffic flow)**

# Any questions? Contact us!

- **Project coordinator:**

- Julian Schindler
- German Aerospace Center (DLR)
- [julian.schindler@dlr.de](mailto:julian.schindler@dlr.de)
- +49 (531) 295-3510

- **Social media:**



- Website: [www.transaid.eu](http://www.transaid.eu)



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