













The continuous deployment of European-wide traffic management measures and services



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### **Objective 2**

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To design, operate and evaluate a cooperation framework (at strategic, tactical and operational level) for interactive traffic management by road authorities, service providers and car industries. Praktijkproef Amsterdam



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# Paradigm shifts

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1990 Static route guidance2000 Dynamic route guidance2015 Integrated route guidance2020 Route guidance for self-driving vehicles





# The basis Interactive traffic management, based on a cooperation of equal partners: • road authorities • service providers • car industries





# SOCRATES<sup>2.0</sup> pilots

### With four use cases

- Smart routing
- · Speed advices.
- Local warnings

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• Improved road side measures







Leader: Amsterdam Practical Trail



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# Pilot in the region of Amsterdam

This Activity aims to deploy interactive traffic management in the Amsterdam region by:

- · realising the (changes to the) sub-systems;
- performing system integration tests;
- recruitment of beta users;

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 operating the sub-systems during the integration tests and the evaluation period.



# Evaluation

### **Evaluation results**

### For road users;

- (better, smarter etc. real-time travel advice For road authorities;
- (completer information on traffic status etc.For service providers and car industries. (when and why of traffic management,
- (when and why of traffic management, trustworthy advices, user acceptance)

## Praktijkproef Amsterdam

Second Statements

# Evaluation

- Organizational implementation needs: roles and functions for stakeholders, business models, contractual agreements and schemes.
- Functional implementation needs: value of new and extended services, value of common data exchange protocol, value of Common Operational Picture (COP).
- Technical implementation needs: adaptations to traffic centre and back office systems, correctness, reliability, security, privacy and real-time performance of services, availability and liability of data, adequate HMI design and mitigation measures.

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### ACTIVITY METROPOLITAN AREA AMSTERDAM

As stated in the initial plan, part D, the aim will amongst others focus on: •Urban intersection: Collision avoidance feature implementation joint with communication technology can improve vehicle preventive safety to preview blinded or unexpected obstacles

Obstructed view on interurban scenarios : On a hill, curve, or before any other obstruction, autonomous collision avoidance system can prevent dangerous conditions where there is, for example, a broken down vehicle

•Highway scenarios with blinded queue: Autonomous longitudinal vehicle control system based on"

As a basis we use C-roads use cases.

We are discussing on the final interpretation on use-cases. Now under discussion are eg. Weather Warning, IVS, Slow and Stationary Vehicle, on city, provincial and highway (national roads) with the use of hybrid communication technology.

### CONCORDA











