Cooperative proactive traffic management in the Metropolitan Region of Amsterdam

FAST

SAFE



GREEN

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SOCRATES^{2.0}

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Problem description

The problem is twofold:

- More infrastructure demand than supply causes severe congestion in the densely populated Metropolitan Region Amsterdam (*main cause*)
- Start of re-routing measures to distribute traffic over the available network when congestion already has established itself (*current measures inadequate*)







Proposed Solution

Pro-active traffic management: rerouting traffic while the chance on congestion is increasing but traffic is still flowing

How?

- Public and private partners build a common (predicted) operational picture and common goals, KPI's, and conditions for re-routing
- Orchestration of cooperative proactive traffic management by establishing intermediary roles

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"ANEW COOPERATION

TRAFFIC MANAGEMENT"

https://socrates2.org

FRAMEWORK FOR

INTERACTIVE

Project set-up

V-model:

-> Framework

-> Design

-> Piloting

-> Evaluation

-> Consolidation









Pilot Site Amsterdam, active partners:

- Coordinated and Integrated
 Traffic Management
- Public and Private partners active at an operational level:
 - 5 Data providers (Be-Mobile, BMW, HERE, NDW, TomTom)
 - 3 Road Authorities with TMC (Municipality Amsterdam, Province North Holland, RWS)
 - 4 Intermediaries (MAPtm, NDW, RWS, Technolution)
 - 4 End-User Service Providers (Be-Mobile, BMW, BrandMKRS, TomTom)
 - 1 Co-financer (CEF-EU)















Intermediaries

COORDINATED APPROACH









Public data providers

NDW

Private data providers

Be-Mobile, BMW, TomTom, HERE

Public and Private services to end users

- Rijkswaterstaat, Province North Holland, Amsterdam
- Be-mobile/Flitsmeister, BMW, TomTom, BMKRS

Strategy Table

- MAPtm, NDW
- Rijkswaterstaat, Province North Holland, Amsterdam
- Be-mobile/Flitsmeister, BMW, TomTom, BMKRS

Network manager

· Rijkswaterstaat and Technolution

Network monitor

• NDW

Assessor

MAPtm





FAS1 SAFE

Overview information flow (high level)



FAS





End-user Service BeMobile / FlitsMeister





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