



Ministry of Infrastructure and the
Environment

Green Mobility

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10 April 2012



Introduction

- Directorate-General for Mobility and Transport stands for:
 - Network quality of air-, water- and railways, the road network, public transport and ports.
 - Safeguard of safe and sustainable use by travelers and the transport sector.
 - Contributes to the economic and spatial development of the Netherlands.





Impact of ITS for Transport in NL

- Cost of congestion per year: 6 billion euro
- Travel information can reduce this:
 - 5-10% by regular congestions
 - > 20 % by incidents





Why the Netherlands need ITS

Challenges

- Most densely populated country in Europe
- Small country = little space => multi spatial use and integrated functions
- Maintenance costs are rising – budget is going down
- Use of road network has grown constantly (+31% 1995-2009)
- Growth is exceeding road network (building) capacity

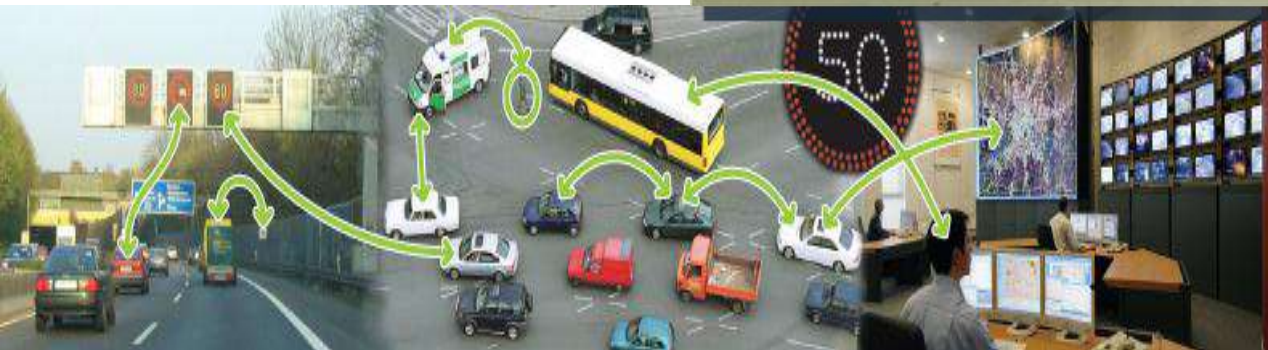
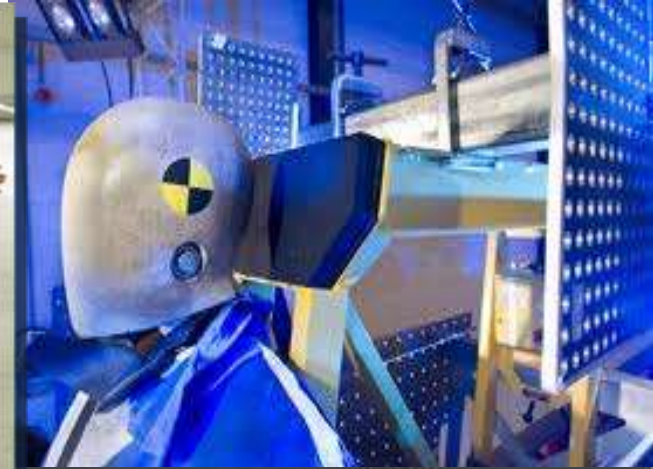
Benefits

- Better utilising existing infrastructure capacity (-8%)
- Improving road safety, incident and traffic management (-6%)
- Positive environmental effects (+10%)



ITS: Intelligence

- 2012
- Mobile
 - Customized
 - Smart





Dutch developments in ITS

- Long experience with ITS: deployment since 1970s
- From stand-alone systems to network solutions to ... cooperative systems
- Public-private cooperation on ITS since 1996 (ITS-Netherlands – Connekt)

Example of Dutch approach:

- First, improved traffic feed around Amsterdam, by combining various roadside systems
- Next, an operational field test with in-car technology



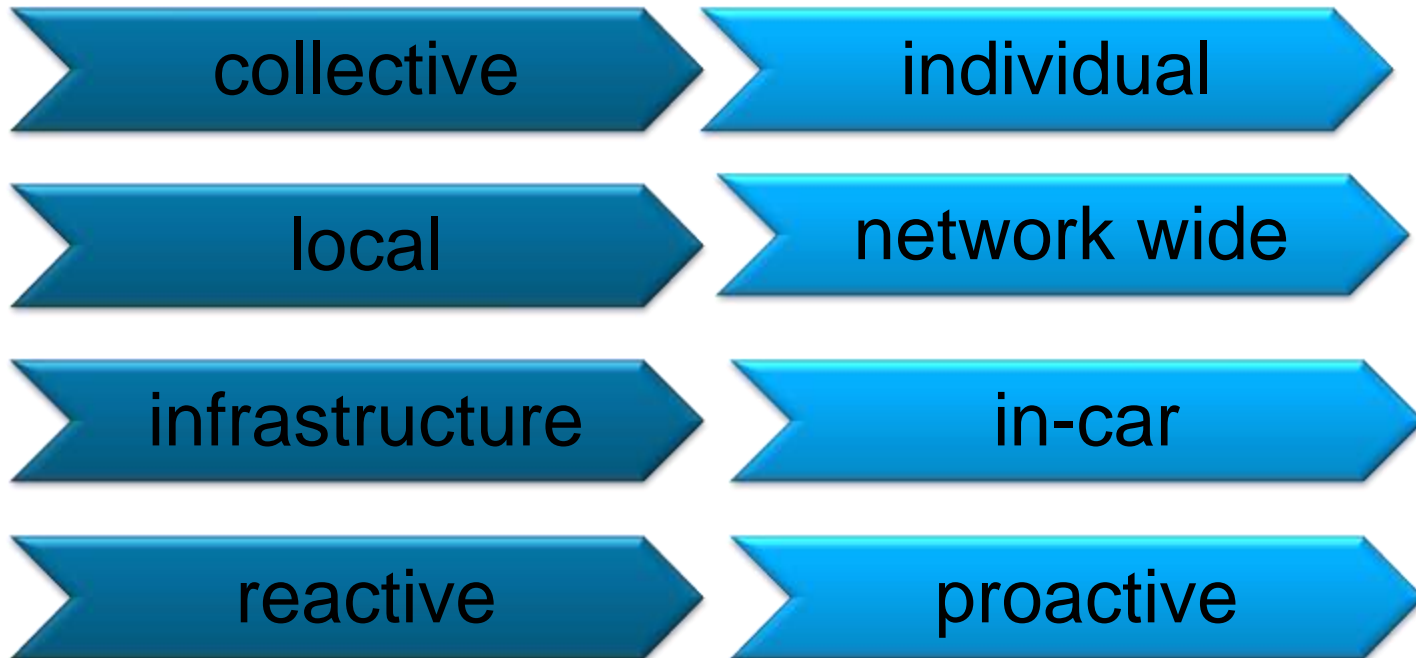


ITS: Systems or Services?



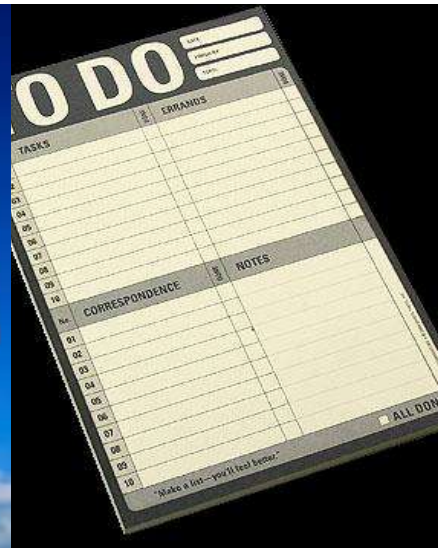


Traffic management transitions





Cooperative mobility: sharing ambitions



- Application of the results of programs like "Beter Benutten", E-call and operational field test A'dam
- Improve the combination of public and private data
- Support pilots and open data policy for travel information
- Implement Traffic Management in-car



Thank you for your attention

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