Interconnected and Integrated: Optimising Intelligent Infrastructure

- How can innovative technologies make infrastructure safer, cheaper, more efficient?
- How can innovation improve intermodal linkages?
- What innovative measures and techniques can improve border crossings?
- What is the outlook for global satellite systems needed for ITS applications?

What are Intelligent Transport Systems and Services?

What ITS is

» Technologies/carriers
What do Intelligent Transport Systems and Services offer?

What ITS offers

**Supporting multi-modal transport**
- Information on option/times
- Electronic booking/ticketing
- ...

**Supporting electrification of vehicles**
- Range predictions
- Smart fueling
- ...

**Improving access**
- Parking information
- Automatic zone access
- Points of interest
- ...

**Improving safety**
- Information on incidences
- Information on traffic regulation
- ...

**Improving traffic flow**
- Predictive traffic management
- Navigation
- Tolling
- ...

**Improving logistics**
- Goods tracking
- Inter-modal goods transport
- ...

**Mutually supportive**

Where are Intelligent Transport Systems and Services today and what are next steps?

How ITS might develop

**Today**
- Ramp meter
- Variable Message Signs
- Road infrastructure surveillance (cameras)
- Advanced Driver Assistance Systems (cameras, sensors)
- Tolling
- Traffic information (TMC, TMC +, TPEG)
- Traveller information (Web-based, TPEG)
- Navigation (static, dynamic)
- etc.

**... in the future**
- X 2 X communication
- Data warehouses
- Predictive and cooperative traffic management
- ITS services supporting electric vehicles
- etc.
Most important: Future development of ITS will provide more and more information - this will allow for more and more services and increased service quality - this will provide safety, mobility and environmental benefits.

How ITS might develop

What is needed to make ITS happen?