



NETWORK OF NATIONAL  
ITS ASSOCIATIONS

## **Topical trends of intelligent mobility and logistic development**

- Roman Srp
- ITS Nationals
- ITS Conference, University of Zilina  
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## Digital world and intelligent mobility

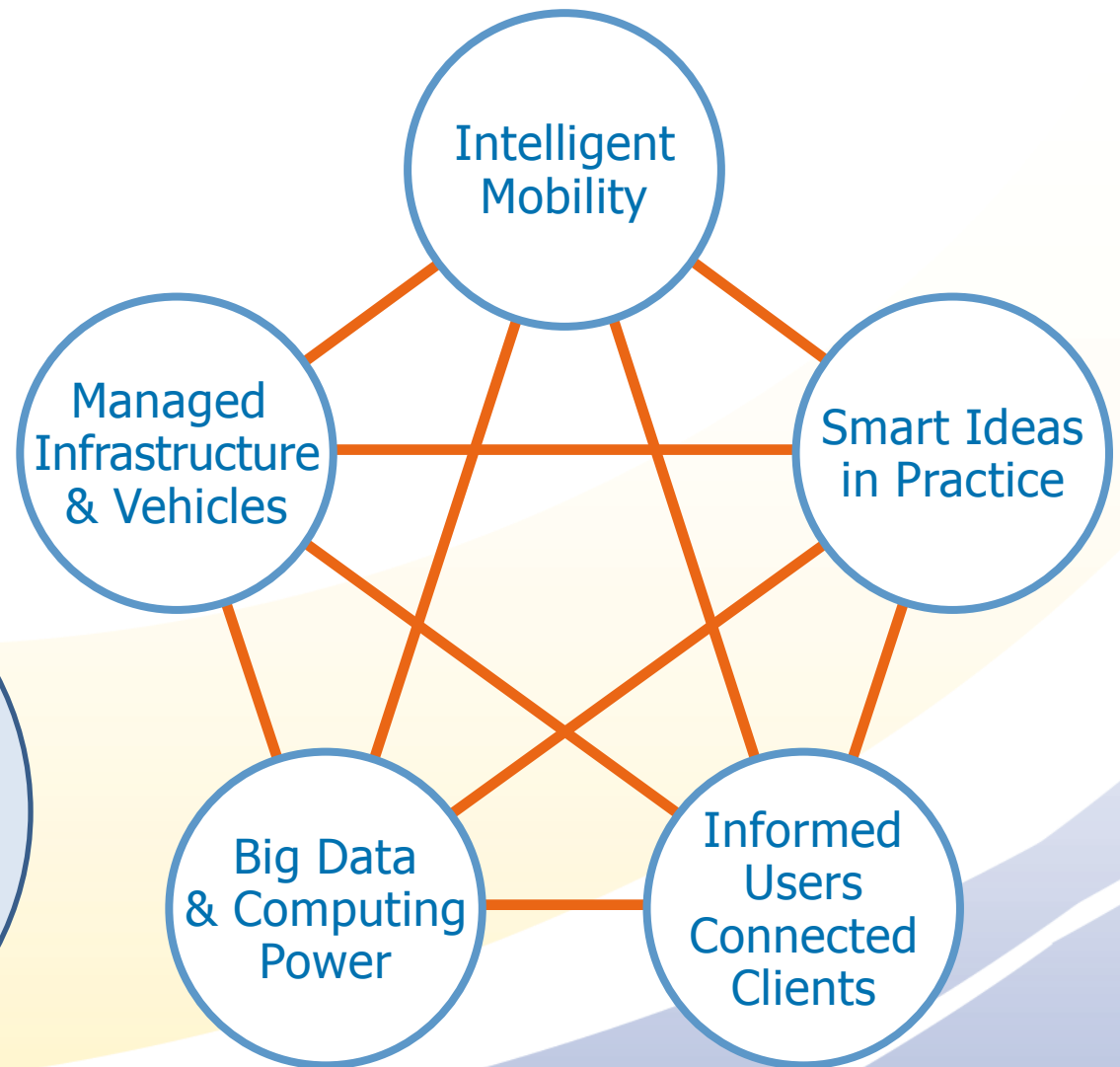


# Technology trends

## Lots of WHYS?"

‘Why can't I yet plan or book my journey through Europe — switching from air to rail or sea, to urban or road transport — in one single go and online?’

Siim Kallas,  
Vice-President  
of the European  
Commission, in charge  
of transport  
year 2011



# New expectations mean new challenges

- Development of ITS systems in European regions has been for a long time based on the **natural "down-top" innovation**. This led into the creation of hundreds of perfectly functional systems, which – in the territory for which they were designed – perfectly **fulfil their function based on corporate or regional specifications**.
- Along with the creation of a single **European area** coincidentally the new requirements for ITS were established. **The primary** aim is to ensure the interoperability of data, data structures, ITS systems and services across the European area.
- It seems that **interoperable telematics can in the future satisfy the requirements of the European economy better** than isolated solutions, and moreover such approach allows taking responsibility for driving.



# Different “faces” of Interoperability

- **Technical interoperability**

Ability of ITS systems to co-operate, exchange data regardless of when they were put in operation, who were the ordering parties and who supplied them.

- **Interoperability of terms and conditions**

Ability of ITS services operators to agree on bilateral / multilateral business agreements, based on which they provide seamless services to their customers.

- **Legislative interoperability**

Unified legislative framework across regions / nations based on which common ITS services may be provided.

- **Strategic/policy interoperability**

Ability of key stakeholders to agree on a vision and to make the vision come true via their governance.



# “Strategic interoperability” in EU

- **EU Strategies**

- Europe 2020 (20-20-20) strategy
- EU energy-climate policy 2030
- Road map to low carbon economy 2050
- Energy plan 2050
- Transport white paper
- ITS Action Plan

- **Targets**

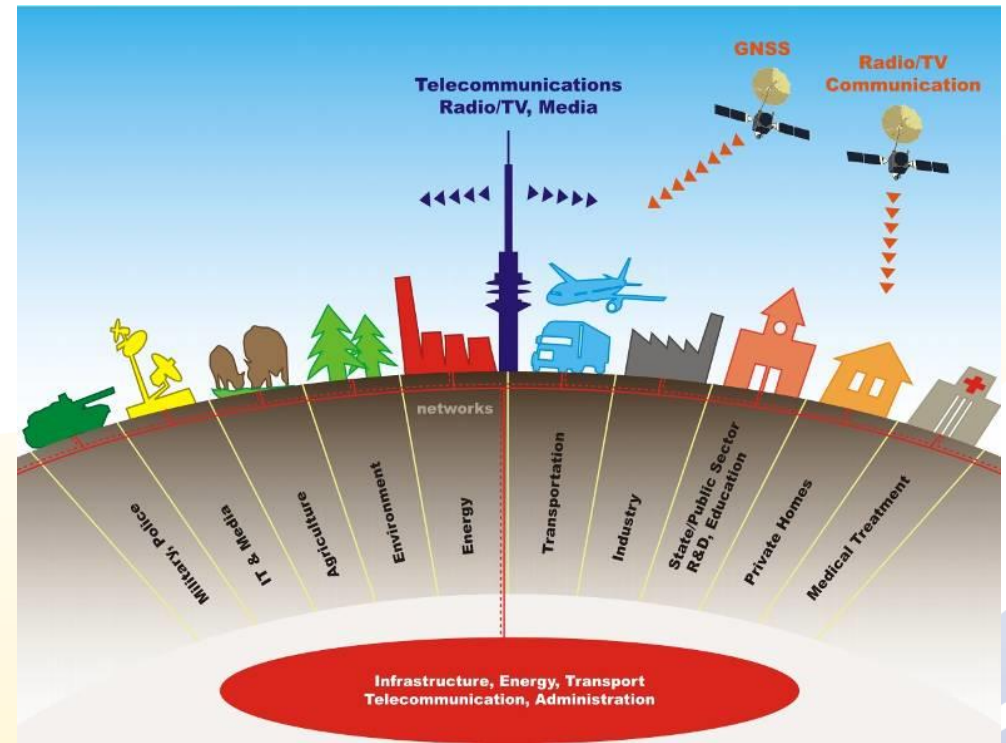
- The ambitious goal is to reduce emissions related to transport by 2050 compared to 1990 levels by 60%. Three main pillars:
  - **innovation + technology**
  - **infrastructure construction**
  - **creation of an integrated European transport system.**





# Strategic goals

- Another objective of the European Union is to **reduce the energy demands** of the economies of member states.
- A key indicator for this objective, as well as for other measures in the field of environment, is the rate of **reduction of greenhouse gas emissions**.
- Greenhouse gases - CO<sub>2</sub> is generated in agriculture, energy and heat production, industrial production, and in the **transport of persons, goods and things**.



# Strategies for urban or densely populated areas

- Transportation and logistics are operated via different modes of transport.
- Attention in densely populated areas/urban nodes (eg. in cities) should be paid pay, especially where it is possible to exercise **real influence** and implement specific measures.
- **Specific measures shall be taken with the aim to:**
  - lower energy demands of logistic and hauling
  - lower energy demands of individual transport
  - continuity of Public Transport services with other modes of Transport
  - seamless personal Mobility
  - ability to measure and evaluate greenhouse gasses emissions in real time

*It is very appropriate to design specific measures so that they meet more objectives simultaneously.*

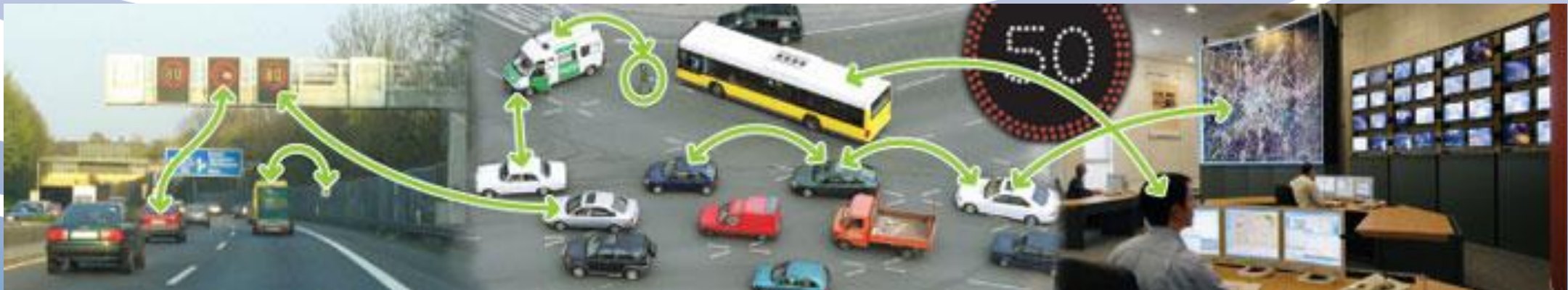




# Healthy view on logos, slogans, brands and mantras

- Big Data, Open Data, Cloud,
- Multichannel, Smart, Technological Neutral,
- Door-to-Door mobility, Autonomous Driving
- MAAS: Mobility As A Service
- Traffic Management 2.0, Industry 4.0
- Smart Cities and Communities

**To be smart and intelligent, not to be clever or devious!**



# ITS Nationals: Network of Nationals ITS Associations



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**Thank you!**