

# Overview of activities



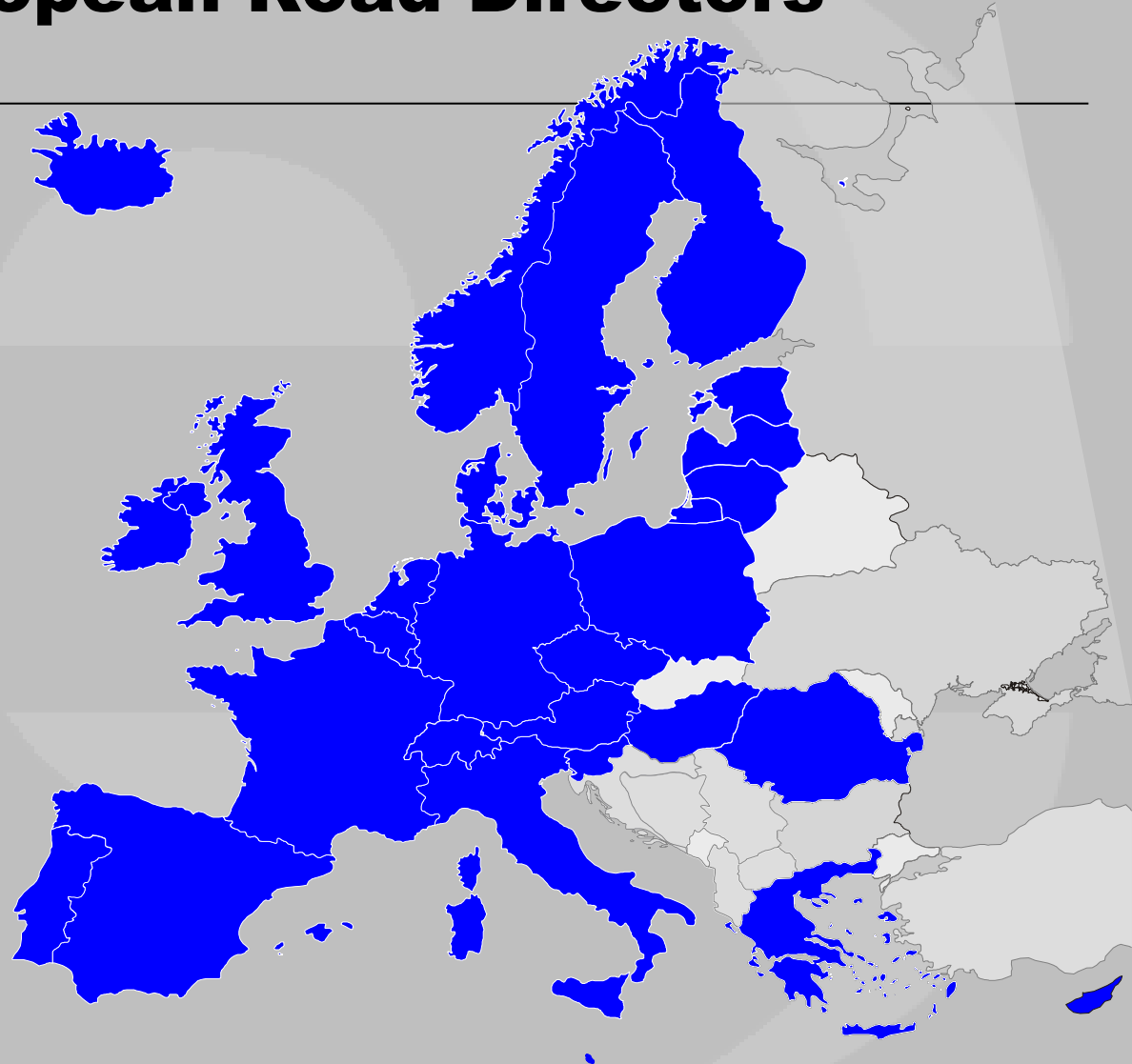
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des Directeurs des Routes

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**Steve Phillips, Secretary-General**

# European Road Directors

- Who
- What
- Why



# Disclaimer

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From our reports –

*This document expresses solely the current view of CEDR. Readers should not regard these views as a statement of the official position of CEDR's member states.*



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# Who is CEDR?

- **C**onference of **E**uropean **D**irectors of **R**oads
- **M**embers: 29 European Directors
- **A**ll countries on equal basis
- **A**nnual rotating presidency
  - **S**tatus: foundation, non-profit, seat in Paris
  - **S**ecretary-General plus staff supports



## CEDR's mission

- 
- To analyse **future developments** of the road system and its infrastructure as part of a **sustainable transport system** under the environmental, economic and social aspects and identify new challenges in order to promote common strategies.
  - To promote international **networks of personal contacts** between Road Directors and their staff.
  - To provide a **platform for understanding** and responding to common problems.
  - To develop a strong **involvement in EU developments** on matters relating to the road system and its infrastructure.
  - To use **existing representations** in relevant international groups for mutual benefit.
  - To make **use of the results** of common understandings as well as research results in each member country.
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# MAIN CHALLENGES

# CEDR's main challenges

## 1. Decreasing state of maintenance

- Aging infra → urgency
- Decision making process
- Design and technology solutions
- Financing mechanisms
- Management issues
- Operational measures



# CEDR's main challenges

## 2. Multi modal transport solutions

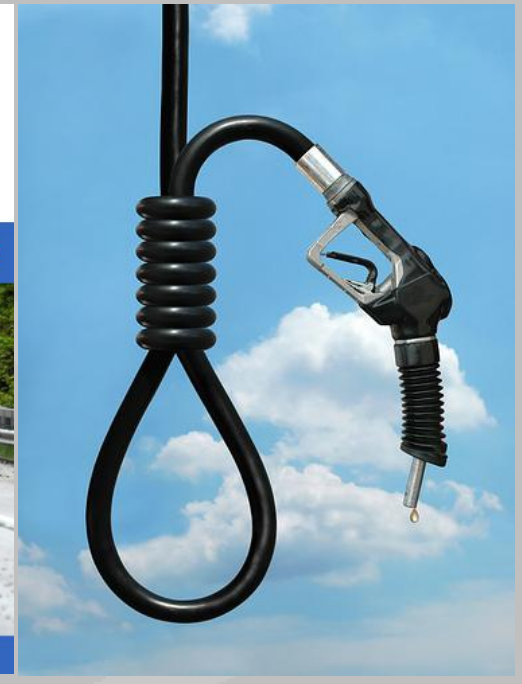
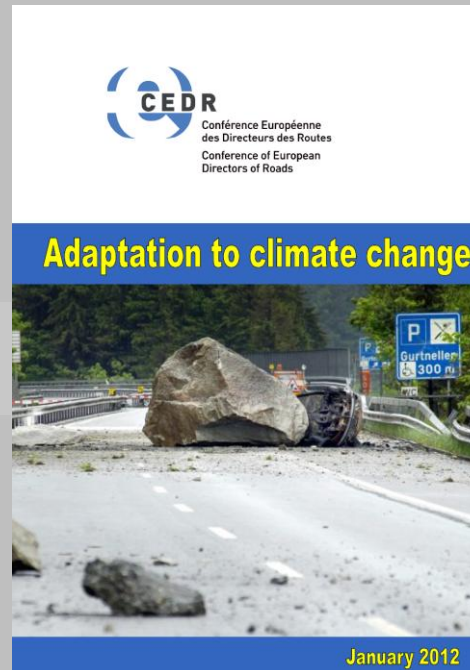
- Challenges in design and technology
- Operational management issues
- Overcoming cultural differences between mode
- Governance issues



# CEDR's main challenges

## 3. Climate change

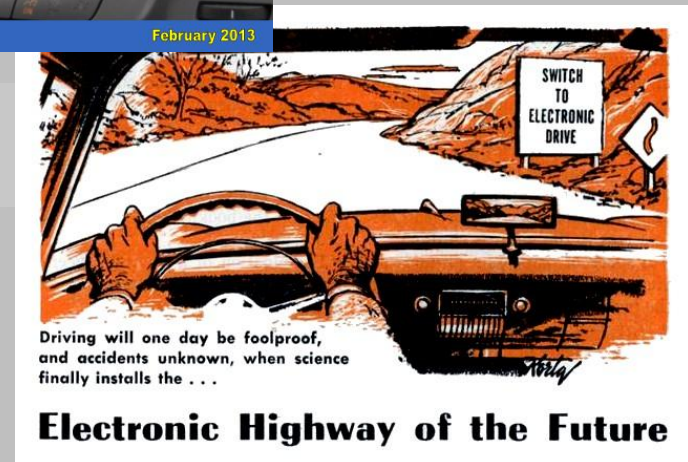
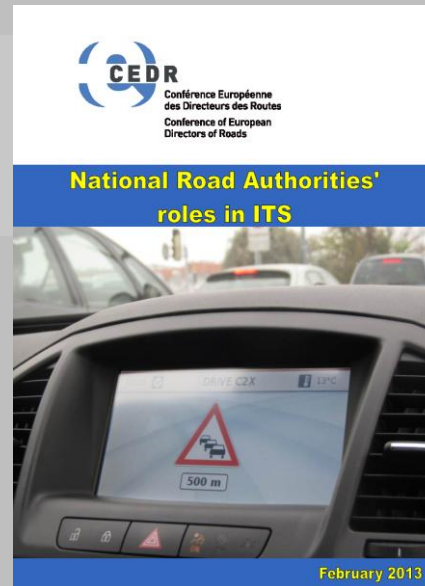
- Realistic and practical mitigation-and-adaptation strategies
- Energy issues



# CEDR's main challenges

## 4. Strategic choices and implementation of ITS

- ITS not aim in itself
- Bring focus in all opportunities
- Accommodating needs of modern traveller





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# CEDR Work Program

## CEDR Strategic Plan 3 2013-2017

- Ambition and challenges
- Task structure and participation
- 22 Task groups who advice, develop, report
- Details: [www.cedr.eu](http://www.cedr.eu)



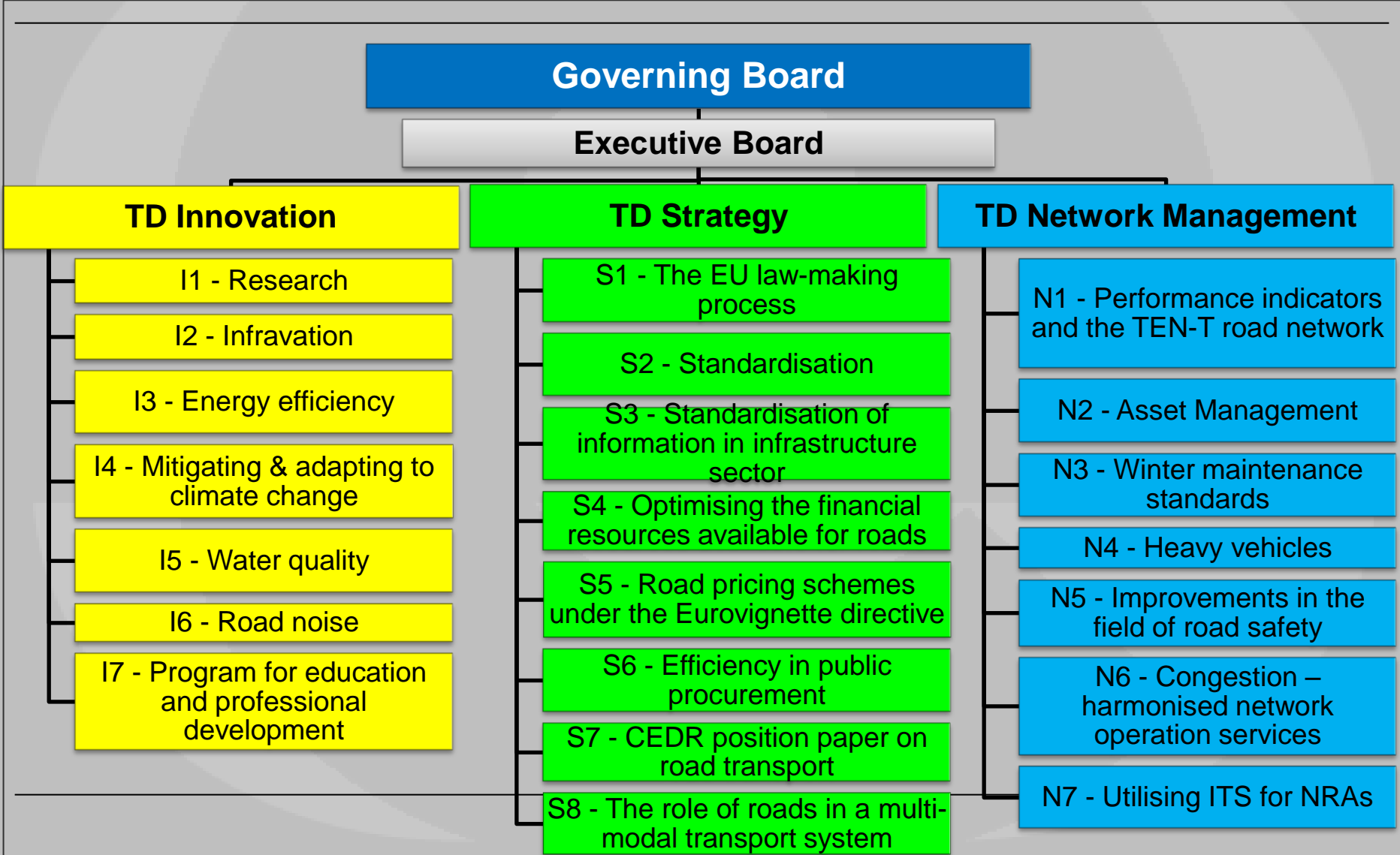
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## Strategic Plan 2013-2017

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Submitted by: SPG

# Task Groups 2013-2017



**Governing Board**

**Executive Board**

**TD Innovation**

I1 - Research

I2 - Infravation

I3 - Energy efficiency

I4 - Mitigating & adapting to climate change

I5 - Water quality

I6 - Road noise

I7 - Program for education and professional development

**TD Strategy**

S1 - The EU law-making process

S2 - Standardisation

S3 - Standardisation of information in infrastructure sector

S4 - Optimising the financial resources available for roads

S5 - Road pricing schemes under the Eurovignette directive

S6 - Efficiency in public procurement

S7 - CEDR position paper on road transport

S8 - The role of roads in a multi-modal transport system

**TD Network Management**

N1 - Performance indicators and the TEN-T road network

N2 - Asset Management

N3 - Winter maintenance standards

N4 - Heavy vehicles

N5 - Improvements in the field of road safety

N6 - Congestion – harmonised network operation services

N7 - Utilising ITS for NRAs



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# COOPERATION

# Procurement

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- **Pre-Commercial Procurement**
  - **CHARM – Common Highways Agency  
Rijkswaterstaat Model**
    - SoA and beyond Advanced Distributed Network Management
    - SoA and beyond Advanced Traffic Predictions
    - Support of Co-operative ITS Functions
  - **V-CON – Virtual Construction for Roads**
    - Application of BIM
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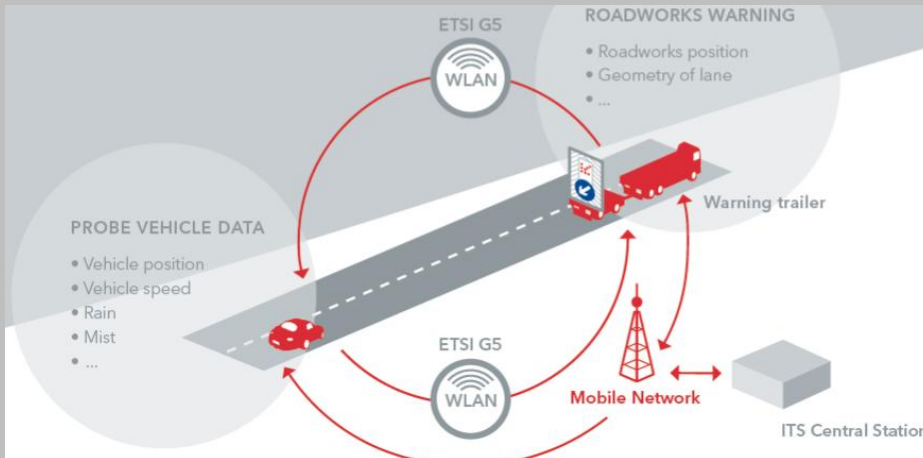
# Research

- ERA-NET ROAD (1 & 2) & TPM
  - CEDR Transnational Research Programme
  - Research call 100% funded by NRAs
  - Solve problems of NRAs
  - €5M per year
- Infravation EN+
  - Infrastructure innovation focus
  - 2/3 funded by NRAs (incl USA), 1/3 EC
  - Co-funded projects (c. €20M)



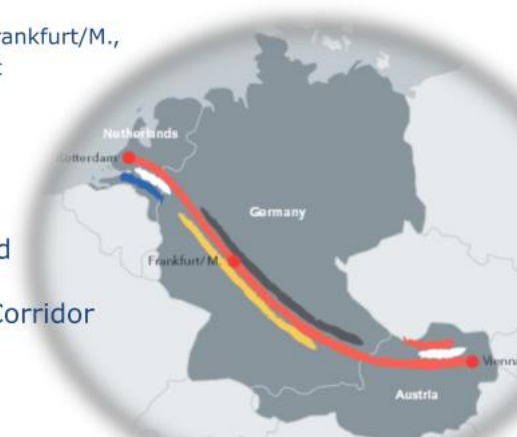
# Stakeholder cooperation

- **Amsterdam Group MoU on Cooperative ITS applications**
- With vehicle industry, toll road operators and cities
- Initial deployment



## The phases

1. Pre-development and proof-of-concept
  - with road works safety trailers in Hesse around Frankfurt/M.,
  - within the Austrian project ECO-AT, and
  - by extension of Dutch Test-site DITCM
2. Deployment of Road Works Warning and Probe Vehicle Data in the Cooperative ITS Corridor (NL - DE - AT)
3. Nationwide deployment





# Sharing Expensive equipment

- Traffic Speed Deflectometer (TSD)
- Danish Road Directorate
  - > Highways Agency
  - > ANAS





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# International cooperation



## **CEDR is....**

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- Organization of and for, Road Directors
  - Addressing the common needs of Road Directors
  - Practical solutions
  - Roads focused but multi-modally aware
  - European focus but internationally minded



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