

# Transport Research Centre

a public research institution

Brno / Czech Republic

[www.cdv.cz](http://www.cdv.cz)



Prof. Karel Pospíšil  
Director of CDV



# History

- ❖ the successor of the former Federal Transport Research Institute
- ❖ continues in over 50 years tradition of Czech transport research
- ❖ founded in the year 1993
- ❖ Public Research Institute since 1. 1. 2007

# Mission

**“Our knowledge - Your resource”**

- ❖ **to be a European’s leading research organization fully covering all transport sectors in the Czech Republic and fully integrated in the European Research Area**

# Resource for ...

- ❖ **CITIZENS**

(creation of standards, processing of traffic engineering measures, educational materials)

- ❖ **GOVERNMENT and the MINISTRY of TRANSPORT**

(processing strategy and operational documents, analysis of present situations and proposals for improvement)

- ❖ **LOCAL GOVERNMENT in TOWNS and MUNICIPALITIES**

(proposals for the optimization the transport network, traffic engineering measures to increase safety and the continuity of transport services, safety audits and inspections, technical inventory status of roads and local roads)

- ❖ **UNIVERSITIES**

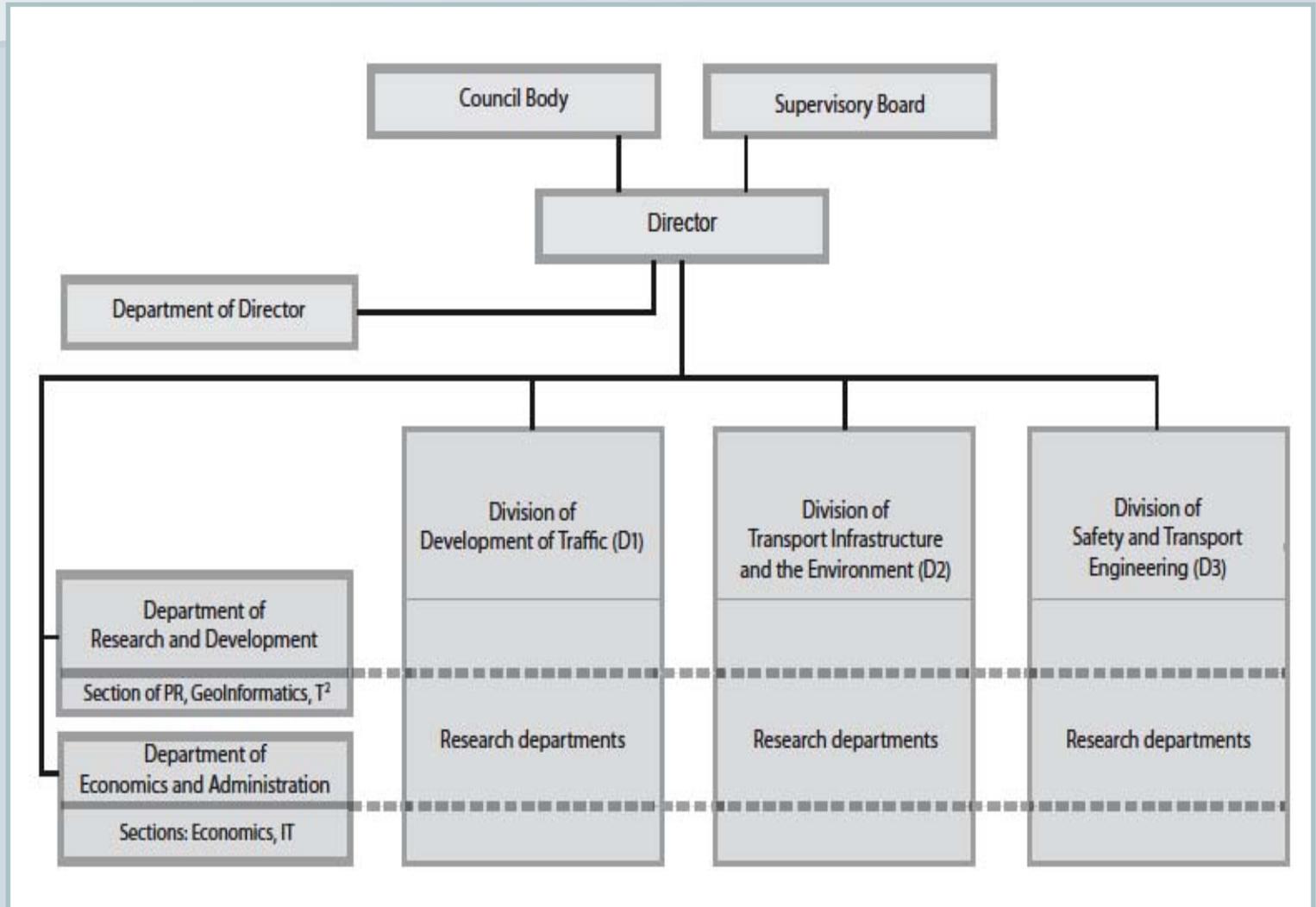
(lectures to students, joint projects, tutorship of master's and doctoral theses, guarantees subjects, shares in the accreditation of study courses)

- ❖ **MEDIA** (current and unbiased information)

- ❖ **COMMERCIAL BUSINESSES**

(results for more effective freight services, expert assistance of telematics and information systems, analysis, expertise, outsourcing business development and innovations)

# Organisation chart



# Facilities



- ❖ Infrastructure Laboratory in Tišnov
  - Pavement, Bridge and Geotechnical Laboratories
  - Geotechnical Laboratory Testing Field
  
- ❖ Environment Laboratory
  - Gas Chromatograph GC 8160  
(noise, air quality, ecotoxicology)
  
- ❖ Traffic Safety Section
  - Measuring vehicle  
(road equipment and other parameters)

# Soft Research Infrastructure

- ❖ ITRD
- ❖ The CLAVIUS library
- ❖ Traffic modelling
- ❖ Czech Technology Transfer Centre
- ❖ T2 clearinghouse for CEC's

# Networking

- ❖ CDV maintains close contacts with the leading transport research institutes and organizations in Europe and throughout the world.
- ❖ CDV represents the Czech Republic and is an active member of:
  - **ECTRI** European Conference of Surface Transport Institutes
  - **FERSI** Forum of European Road Safety Research Institutes
  - **FEHRL** Forum of European National Highway Research Laboratories
  - **IRTAD** International Road Traffic and Accident Database
  - **IENE** Infra Eco Network Europe
  - **ITRD** International Transport Research Database
  - **ELITE** European Logistic Infrastructure & Transport Expertise Network

# Networking

The CDV represents the Czech Republic in the working bodies of:

- **OECD/ECMT JTRC** Joint Transport Research Centre
- **ERTRAC** European Road Transport Research Advisory Council
- **COST TCT** Technical Committee for Transport
- **UN/EDIFACT** Working group for establishing
- **UN/EDIFACT** transport standard
- **UN ECE** Inland Transport Committee WP6
- **CEN** TC 227 (WG 7, 10)
- **CEN** TC 278 (WG2, 8, 10, 13)
- **PIARC** C3, C13
- **T2** International Network of T2 Centres

# International Research

- ❖ EU Framework Programmes
- ❖ European projects (SARTRE)
- ❖ COST Programme
- ❖ RTRP OECD
- ❖ Bilateral cooperation
- ❖ PHARE

# Framework Programmes

## 5. FP

RECORDIT,  
ADVISORS,  
MOST,  
BUGS, EDICT,  
IMMORTAL,  
TREE, UPTUN,  
STELLA, BESTUFS  
CONSENSUS,  
EUTP II,  
ASI, ASAP,  
SIZE, GUIDEMAPS,  
INTERFRACE,  
LIFETIME, ROSEBUD,  
THEATRE,  
THEMIS, EUTRALOG.

## 6. FP

HUMANIST,  
RIPCORD/ISERET,  
TRANSFORUM,  
TREND,  
SAFETY NET,  
IN - SAFETY,  
RANKERS, TRKC,  
CAATS, PEPPER, CAST,  
TREND, FREIGHTWISE,  
BESTUFS II, E-IMPACT,  
CENTRAL LOCO, TRACE,  
TITaM, CERTAIN, ARCHES,  
SPENS, TRACKSS, DRUID.

## 7. FP

BALTIC-TO-BALKAN  
NETWORK for logistics  
competence, CLOSER,  
2-BE-SAFE, ASSET,  
INTERACTION, OPTIC,  
POINTER, Re road -  
End of life strategies of  
asphalt pavements,  
METRONOME, TRACE,  
ShLOW!,  
Sustainable road  
Maintenance and Eco-  
Flow Optimisation at  
Roadworks, P3ITS,  
TransNew.

# COST Programme

- ❖ Modelling the development of transport and safety
- ❖ Territorial and transport planning
- ❖ Habitat fragmentation due to transportation infrastructure
- ❖ Improving winter maintenance of roads and bridges
- ❖ Parking and its influence on mobility and economics
- ❖ Reduction of road closures by improved methods of maintenance
- ❖ Accessibility of coaches and long distance buses for people with reduced mobility
- ❖ Evaluation of the influence of transport infrastructure on the living environment
- ❖ Water movement in road pavements and embankments

# RTPR OECD

- ❖ Safety Management and Implementation Strategy
- ❖ Mobility Needs and Safety Issues of Ageing Society
- ❖ Cost and Benefits of Strategies for Air Quality Improvement
- ❖ Intermodal Freight Transport Advisory Group
- ❖ Influencing Road Traffic Demand
- ❖ Implementation of Intelligent Transport
- ❖ System Advisory Group
- ❖ Reducing Children's Transport
- ❖ Related Injuries and Fatalities

# Bilateral Cooperation

- ❖ Netherlands
- ❖ United Kingdom
- ❖ Austria
- ❖ USA
- ❖ Slovakia

# Areas of expertise

## Divisions:

- ❖ **Transport Development**
- ❖ Transport infrastructure and environment
- ❖ Safety and transport engineering

## Departments of the Transport Development Division:

- Conception of the transport sector development
- Road, integrated and combined transport
- Traffic information science and GIS
- **Intelligent Transport Systems**
- Non-motorized transport
- Civil aviation
- Problem-solving in transport

**Thank you  
for your attention**



**TRANSPORT  
RESEARCH  
CENTRE**

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