

URBAMOVE – URBAn MObility initiatiVE

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# ECTRI – European Conference of Transport Research Institutes

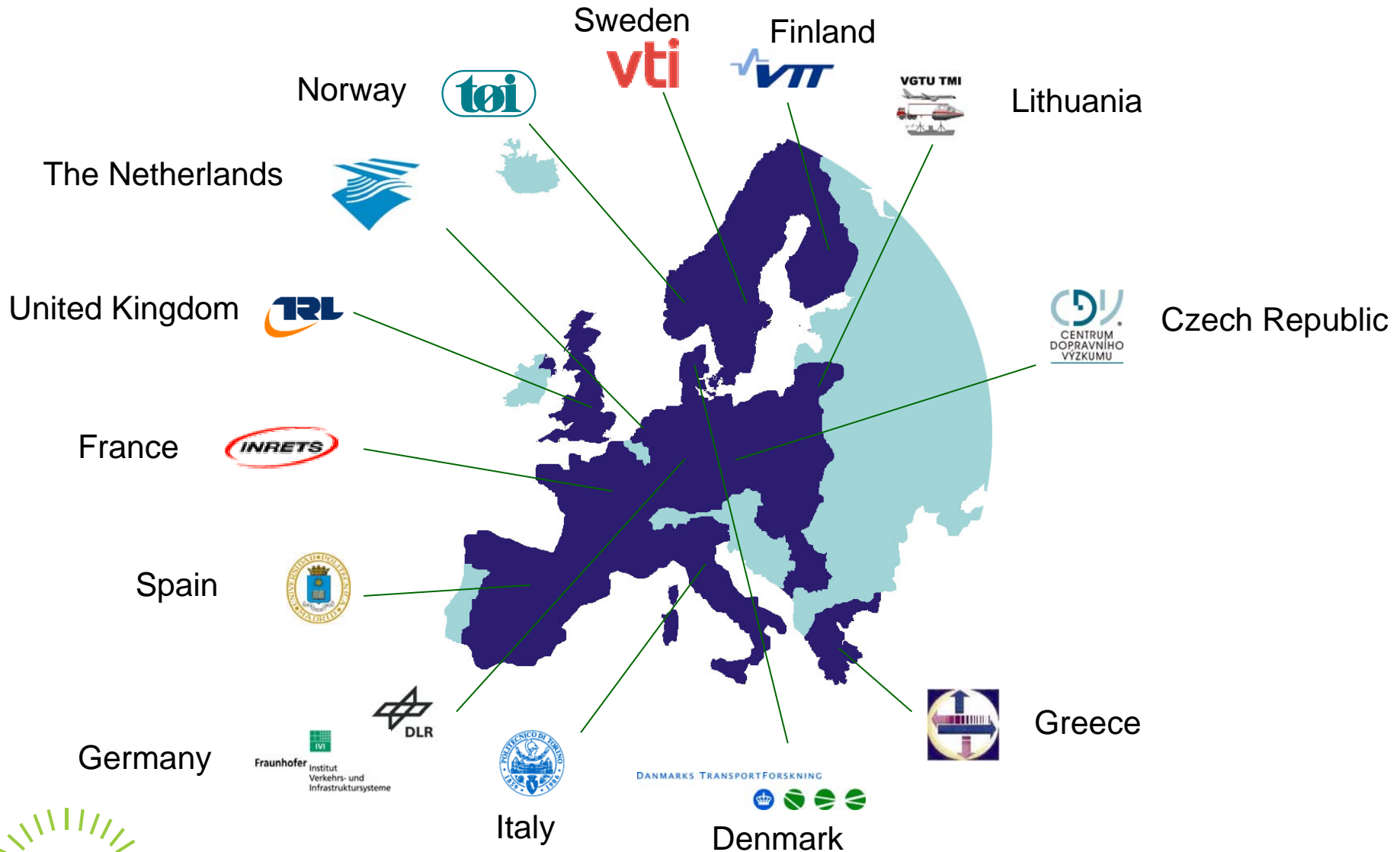
- **Idea launched in 2001**
- **Officially established in 2003 as a non-profit association** registered in France and governed by French law
- Brings together **20 main transport research institutes or universities from 17 countries in Europe** dealing with at least bi-modal research
- Aim: building of the ‘European Research Area’ (ERA) in surface transport issues by cooperation through **thematic and process oriented working groups, task forces, Framework Program projects, seminars**



# URBAMOVE – ECTRI's Strategic Research Agenda for Urban Mobility in the European Union

- ECTRI working group on urban mobility: created in November 2004
- Aims of the working group
  - Common reflections about research needs in urban mobility to European, National and Regional Institutions
  - Working programme for actions at short, medium and long term
  - First action: Strategic Research Agenda on Urban Public Transport -> presented at the UITP World Congress in Rome 2005
  - URBAMOVE-paper: SRA for Urban Mobility in the European Union
- URBAMOVE – research agenda for urban mobility
  - Input to complement SRA of existing technology platforms
  - Specific highlight given to public transport; but: research agenda applies to all urban modes

# URBAMOVE – Members of the working group

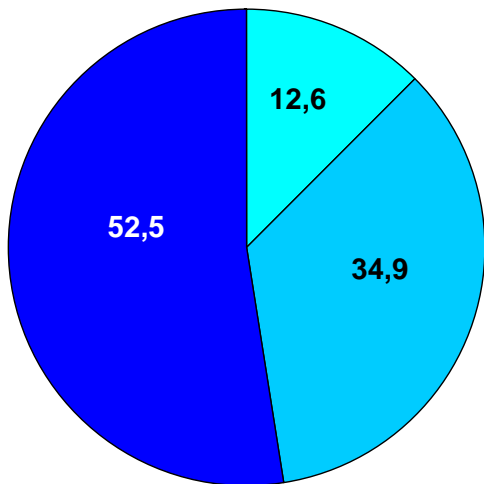


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# Urban Mobility – Background I

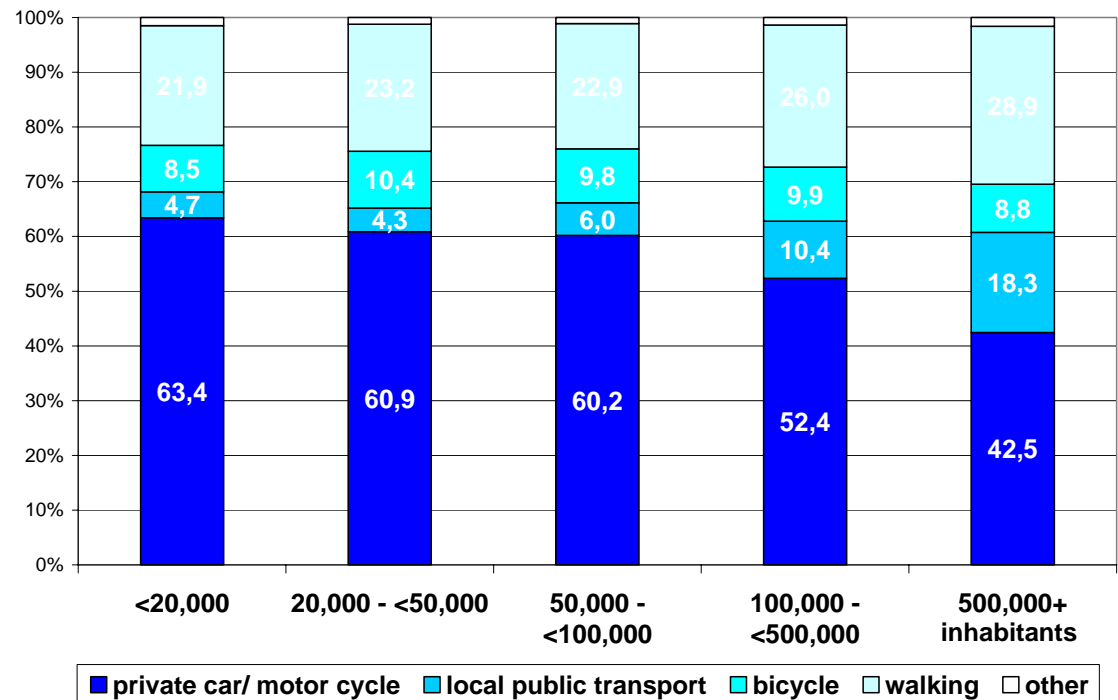
- 80% of European's citizen live in urban areas
- Private car is the most frequently used transport mode

## Situation in GERMANY



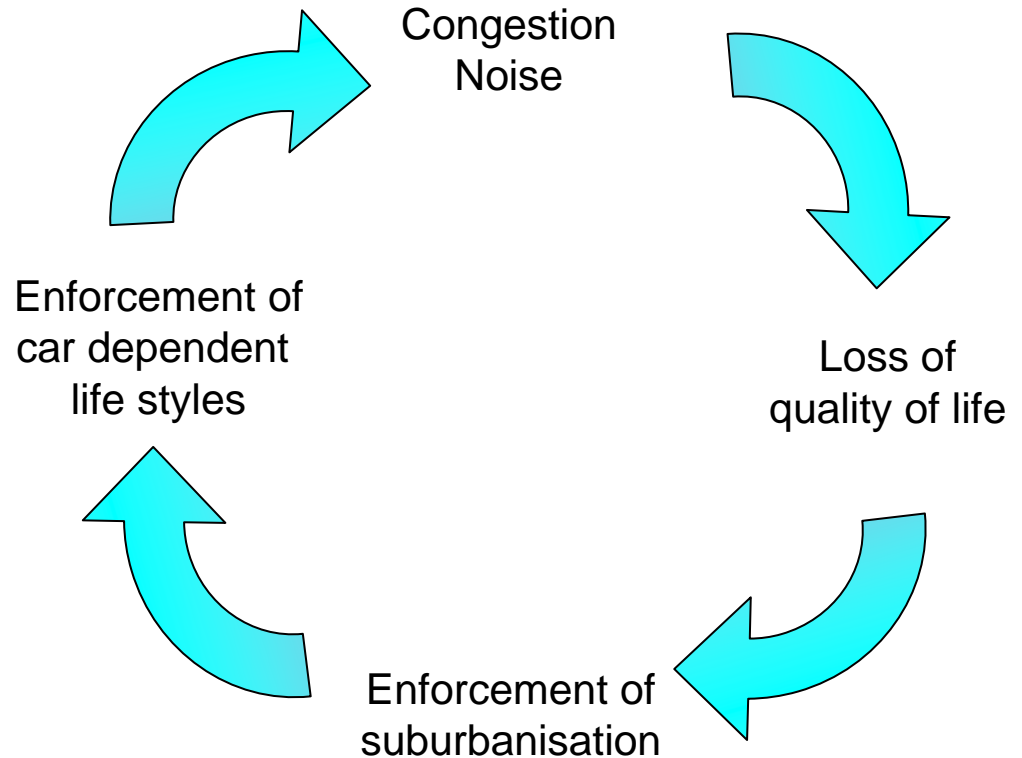
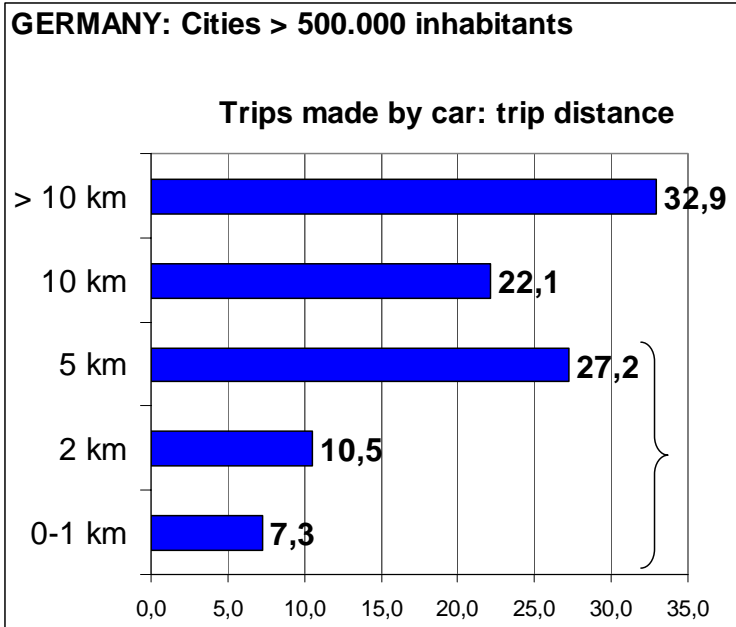
■ rural area  
■ urbanised area  
■ agglomeration area

## Modal split depending on number of inhabitants



Source: own calculation, MiD 2002

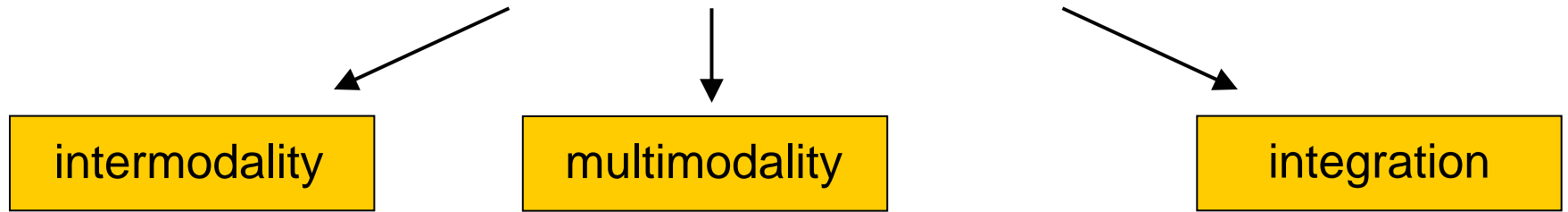
# Urban Mobility – Background II



# Common agreement of all type of stakeholders

(EU, states, research institutes, transport companies...)

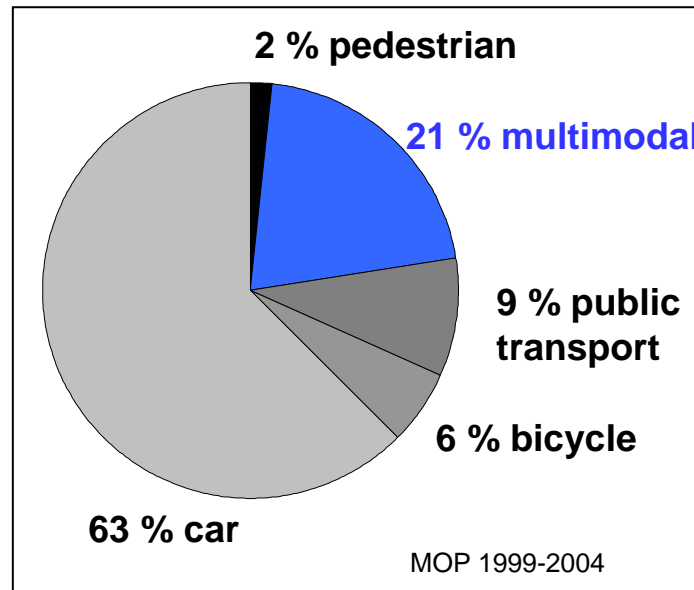
Central components for more efficient urban transport systems



## Germany

Amount of intermodal trips

- Total: 2 %
- Cities > 100.000 inhabitants: 3,6%
- Cities > 500.000 inhabitants: 5,8%



## Problem

- So far: modal approach

## Aims

- Easy change from one to the other mode
- Trip optimisation
  - > physical interchange
  - > information facilities

# URBAMOVE – Essential research areas

- Theme 1: Improving mobility in urban/ periurban areas
- Theme 2: Economics, regulatory and institutional aspects
- Theme 3: Land use
- Theme 4: Social aspects
- Theme 5: Design and technology of public transport
- Theme 6: Information and communication technologies



# Theme 1: Improving Mobility in Urban/ Periurban Areas

- 1.1 Dynamic efficiency: forecasting mobility solutions, adapting to changing demand
  - More comprehensive mode choice models
  - Impact evaluation of public transport services and public transport improvements on mobility
  
- 1.2 Intermodality/ interoperability
  - Network optimisation
  - Optimisation of interchanges
  
- 1.3 Best modal choice promotion
  - Impact of awareness campaigns and alternative marketing ways



# Theme 2: Economics, regulatory and institutional aspects

- 2.1 Economics
  - Investigation of alternative funding schemes towards reduced congestion and more environmental friendly public transport
  
- 2.2 Regulatory / institutional aspects
  - Opening up of public transport market
  - Impact of parking policies on mobility systems



## Theme 3: Land use

- Interactions between land use, traffic and public transport networks
- Land use and traffic in cities and regions – integrated planning



## Theme 4: Social Aspects

- Safety and security of the mobility system
- Impact of public transport on social equity



## Theme 5: Design and technology of public transport

- Energy and environmental issues
- Bus system improvement

## Theme 6: Information and communication technologies

- Evaluation of the existing information system technology and centres
- Dynamic mobile information
- Implementation of information and communication technologies inside interchange stations



<http://www.ectri.org/>



Documents



Thank you for your attention!

