



POLITÉCNICA



POLITÉCNICA

UNIVERSIDAD  
POLITÉCNICA  
DE MADRID

R&D&i Centres



## TRANSPORT RESEARCH CENTER (TRANSyT)

### Contact Data

Universidad Politécnica de Madrid  
ETSI de Caminos, Canales y Puertos  
Profesor Aranguren, s/n  
E-28040 Madrid-SPAIN

Telephone number: +34 91 336 6656

Fax number: +34 91 564 6656

[www.transyt.upm.es](http://www.transyt.upm.es)

### Organizations collaborating with TRANSyT

Consortio Regional de Transportes de Madrid  
Fundación Francisco Corell  
Ayuntamiento de Madrid  
Comunidad de Madrid  
Ministerio de Fomento  
Ministerio de Medio Ambiente y Medio Rural y Marino  
IDAE

### TRANSyT IS PART OF THE FOLLOWING NETWORKS

European Conference of Transport Research Institutes (ECTRI)  
Foro de Ingeniería de los Transportes (FIT)  
Academic Network-Unión Internacional de Transporte Público (UITP)

# TRANSPORT RESEARCH CENTER (TRANSyT)



The Transport Research Center (TRANSyT), founded in 2002, is a multidisciplinary research center that joins together professors and researchers from several departments of the UPM, experts in Transport Economics and Planning.

TRANSyT takes part in different competitive call projects (EU Framework Programme and National Plan); it also collaborates with Transport Entities and Administrations in research and development works. It carries out a wide knowledge dissemination by means of publications and the holding of specialized day sessions and seminars.



# TRANSPORT RESEARCH CENTER

## RESEARCH LINES



### TRANSPORT NETWORK MODELLING AND OPTIMIZATION

#### Demand modelling / Transport networks

- Optimum design of sustainable mobility strategies.
- Strategic transport planning through integral dynamic models of transport and land uses.
- Public transport network design.
- Development of tools to aid decision making in the field of sustainable transport planning.



### INFRASTRUCTURES AND TRANSPORT SERVICES

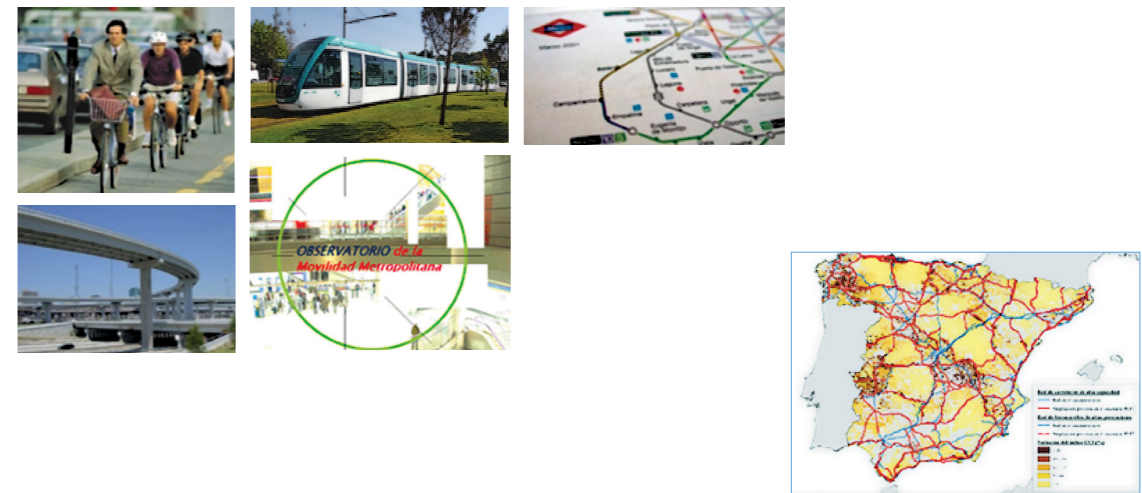
#### Regulation and organization of transport systems Socio-economic funding, management and assessment

- Influence of transport network extension on real state property value and its potential as an infrastructure funding tool.
- Research on PPPs (Public-Private-Partnerships), regulation, bidding and contracts in transport infrastructures.
- Analyze the economic impact (micro and macro) and acceptability of infrastructure tariff systems.
- Planning and management of infrastructures and transport services

### ANALYSIS AND ASSESSMENT OF MOBILITY AND ITS EFFECTS

#### Mobility surveys. Externalities assessment/Urban and interurban mobility

- Metropolitan mobility observatory in Spain.
- Transport and environmental quality indicators.
- Analysis and planning of urban mobility and its sustainability: sustainable urban mobility plans, promoting trips by foot and bicycle.
- Sustainability assessment in metropolitan and interurban transport infrastructures and systems.
- Passenger's mobility surveys for transport infrastructure forecasting and management



### INTEGRATED TERRITORY AND TRANSPORT PLANNING

#### Territorial assessment. Transport Systems. Environmental assessment

- Environmental and territorial integration of transport infrastructure networks.
- Sensitivity analysis of impacts on territorial equity and natural environment.