



## TC 1.1 - Road System Economics

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# Transport system issues

## **The important role of the road network**

- Carrying private cars, transit vehicles, trucks, emergency vehicles
- Cars and trucks provide speed and flexibility
- Overall, the road transport mode provides dense geographical coverage and adequate access to settlements

## **Positive socio-economic impacts**

- Transport networks serve social and economic activities
- Individuals are enabled to specialise and get productive
- Efficient networks extend market areas and facilitate scale economies in firm production

## **Negative impacts**

- On residents and the natural environment: accident risks, space consumption, noise and pollutant emissions, emission of greenhouse gas

# The community's scope of activity

## **System organisation and transport policy**

- Regulation of network operation (traffic control, information to users...)
- Transport pricing
- Transport planning using road and non-road modes
- Land-use planning

## **Development process consists of**

- Creating links in order to connect locations
- Interconnecting the links
- Link hierarchy with respect to capacity and level of service

## **Technical and economic approach to transport planning**

- Plan design
- Simulation based on traffic model
- Project appraisal
- Project selection and composition of policy

# Committee objectives

## **To extend evaluation methods**

- To adapt and extend economic evaluation methods in response to changes in societal issues
- Multimodal transport system
- “soft factors” to include social and environmental issues

## **To analyze road pricing as an instrument for funding or regulating the transport system**

- Impetus from recent experiments in road pricing around the world
- Public acceptability?
- The issue of equity, and some ways to achieve it

# Overview

