

# SUMMA

## Sustainable Mobility, policy Measures and Assessment

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17 maart 2005

## Inhoud presentatie

- Achtergrond, doelstelling
- Definitie van "sustainable transport"
- Raamwerk voor beleidsanalyse
- Ontwikkeling van een "Fast Simple Model"
- Presentatie van het instrument zelf

## SUMMA

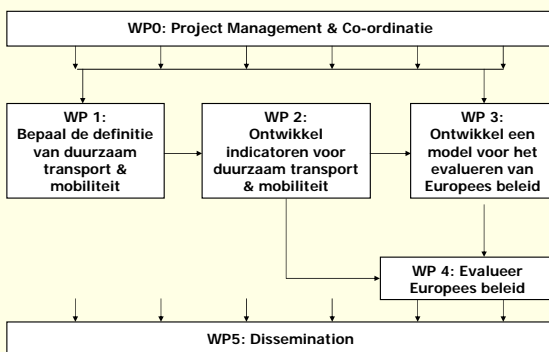
- **S**ustainable **M**obility, policy **M**easures and **A**ssessment
- Gefinancierd door de Europese Commissie (DGTREN)
- Projectteam bestaat uit zeven Europese partijen
- November 2002 tot april 2005

Zie ook [www.SUMMA-EU.org](http://www.SUMMA-EU.org)

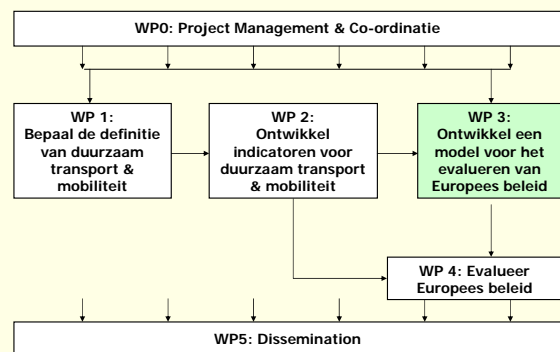
## Doelstellingen van SUMMA

- Definieer duurzaam transport en mobiliteit
- Operationaliseer deze definitie door:
  - het selecteren van Outcomes of Interest, en
  - het ontwikkelen van indicatoren voor het monitoren en modelleren van duurzaam transport
- Evalueer de bijdrage van Europees beleid aan het bevorderen van duurzaam transport in regio's en steden in Europa in het **jaar 2020**

## SUMMA Taken



## SUMMA Taken



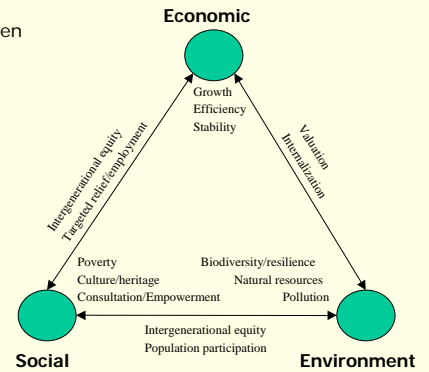
## Definitie van Duurzaam Transport

(Council of the EU, 2001)

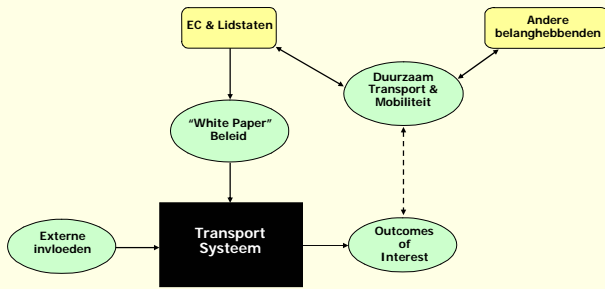
- A sustainable transport system is defined as one that:
  - Allows the basic access and development needs of individuals, companies and societies to be met safely and in a manner consistent with human and ecosystem health, and promises equity within and between successive generations
  - Is affordable, operates fairly and efficiently, offers choice of transport mode, and supports a competitive economy, as well as balanced regional development.
  - Limits emissions and waste within the planet's ability to absorb them, uses renewable resources at or below their rates of generation, and, uses non-renewable resources at or below the rates of development of renewable substitutes while minimizing the impact on land and the generation of noise.

## Drie dimensies van Duurzaamheid

- Economie, milieu en maatschappij



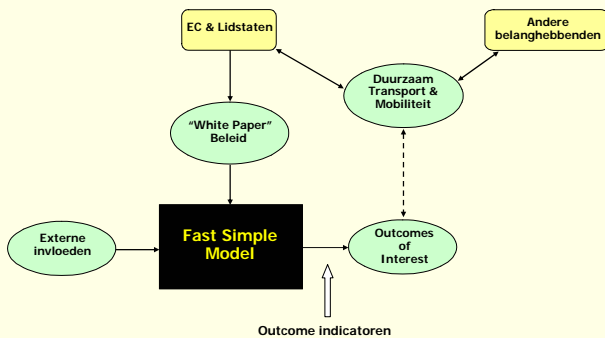
## SUMMA's raamwerk voor beleidsanalyse



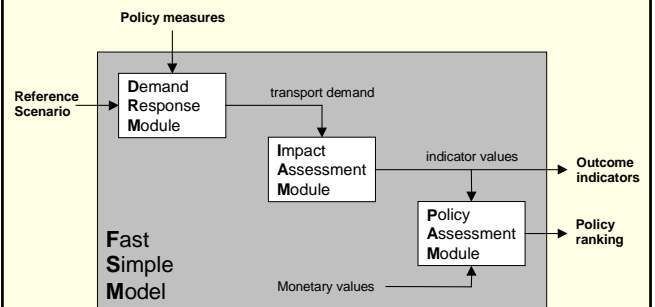
## Outcomes of Interest

Economic	Environmental	Social
<ul style="list-style-type: none"> <li>Accessibility</li> <li>Transport operation cost</li> <li>Productivity / Efficiency</li> <li>Costs to economy</li> <li>Benefits to economy</li> </ul>	<ul style="list-style-type: none"> <li>Resource use</li> <li>Direct ecological intrusion</li> <li>Emissions to air</li> <li>Emissions to soil and water</li> <li>Noise</li> <li>Waste</li> </ul>	<ul style="list-style-type: none"> <li>Accessibility and affordability</li> <li>Safety and security</li> <li>Fitness and health</li> <li>Liveability and amenity</li> <li>Equity</li> <li>Social cohesion</li> <li>Working conditions in transport</li> </ul>

## SUMMA's raamwerk voor beleidsanalyse



## Fast Simple Model



## Demand Response Module

- Genereert de transportvraag: passagier en vracht
  - per NUTS 2 zone in 25 landen van Europa
  - gedissaggregeerd naar mode, motief, persoonskenmerken, afstandsklassen, goederensoort
- Bouwt voort op EXPEDITE (4de kader project)
  - Metamodel gebaseerd op een aantal nationale modellen en het Europese model SCENES
- Uitgebreid met regionale modellen
  - Randstad, Hamburg, Praag, Parijs
- Uitgebreid met een "Vehicle Stock Model", die een disaggregatie naar voertuigtype toevoegt.

## Impact Assessment Module

- Bepaalt het effect van de veranderde vervoersvraag op de economie, het milieu en de maatschappij
- Berekend de waarde van de "Outcome Indicators"
- FSM heeft 37 outcome indicatoren die de Outcomes of Interest representeren.
  - 15 economie
  - 12 milieu
  - 10 maatschappij

## Policy Assessment Module (PAM)

- De PAM levert een geaggregeerde beoordeling van een beleidsmaatregel
- De PAM bestaat uit een zgn. "Social Welfare Function"
  - gebruikt de ontwikkelde indicatoren voor duurzaamheid
  - zet indicatoren om in een geldwaarde
  - balanceert de economische, sociale en milieu aspecten

## Fast Simple Model - het programma

- Stelt beleidsmakers in staat om beleid te toetsen
- Drie stappenbediening voor beleidsmakers
  - Kies te toetsen beleid
  - Run het model (~1 minuut)
  - Bekijk de resultaten (Indicatoren, PAM)
- Stelt gebruikers in staat eigen beleid te toetsen
- Vergelijkt effect van beleid op verschillende niveaus
  - Europees
  - Nationaal
  - Regionaal (NUTS2)

Start Background information SUMMA deliverables SUMMA Website

# Fast Simple Model

A model operationalising the concept of sustainable transport

The FSM is a product of the project called SUMMA.  
SUMMA stands for **S**ustainable **M**obility, policy **M**easures and **A**ssessment.  
SUMMA is a project within the 5<sup>th</sup> Framework programme of the European Commission. The SUMMA consortium consists of eight European companies.

RAND EUROPE Kvaerner & Partners gaia IER  
TRANSPORT & MOBILITY LEUVEN econcept SUDOP PRAHA

## White Paper Policy Goals

1. [Improving quality in the road sector](#)
2. [Revitalizing the railways](#)
3. [Adapting the maritime and inland waterway transport system](#)
4. [Linking up the modes of transport](#)
5. [Eliminating bottlenecks](#)
6. [Unsafe Roads](#)
7. [The facts behind the costs to the user](#)
8. [Managing the effects of transport globalization](#)
9. [Rationalizing urban transport](#)
10. [Increasing sustainability](#)

(Please select a goal to find the associated policies)

[Complete list of policies](#)

**Improving quality in the road sector**

**1.1.1. Harmonise inspections and penalties**

The enlargement of the European Union has led to various inconsistencies in regulations and their enforcement in the road sector (particularly with respect to licensing and working conditions). The harmonisation of inspections and penalties will lead to the greater transparency and effectiveness of the legislation. Safety will also improve.

[Passenger policy](#) / [Freight policy](#)

**1.1.2. Increase the number of checks that Member States are required to carry out on compliance with driving times and drivers' rest periods (for freight transport)**

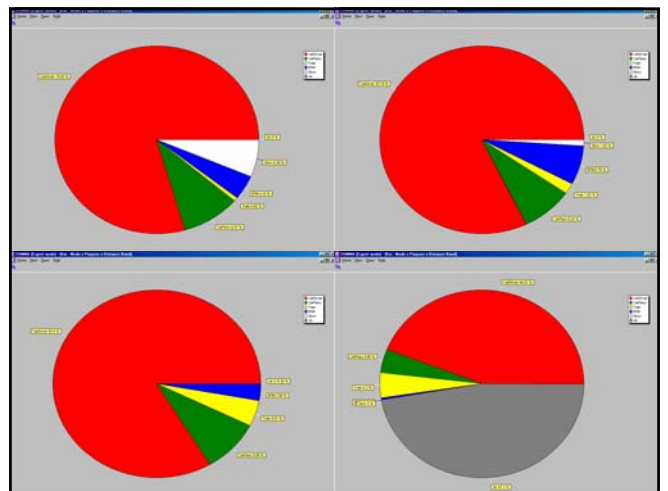
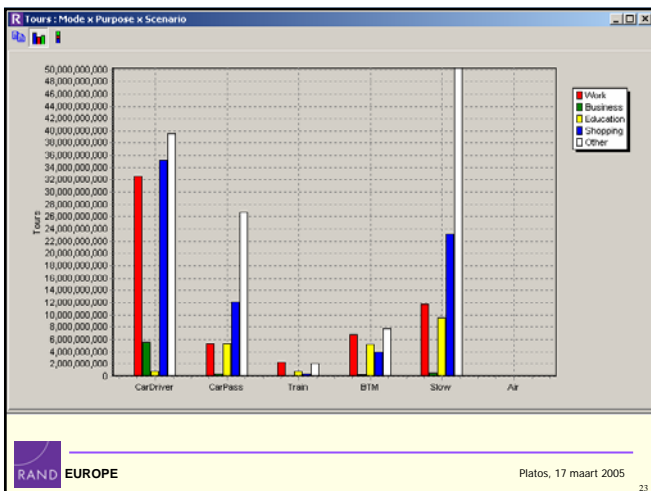
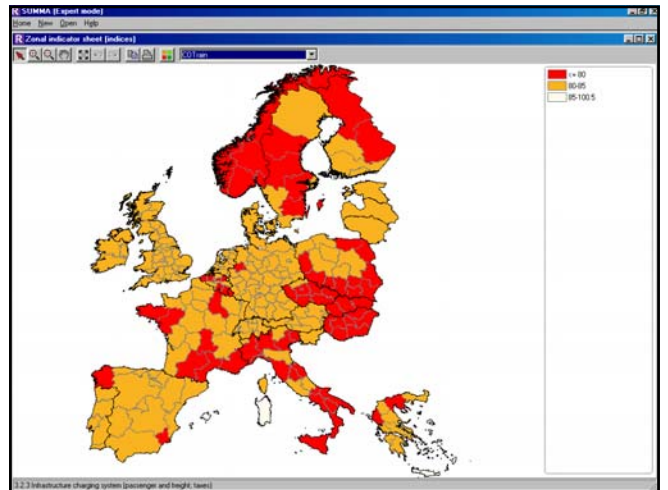
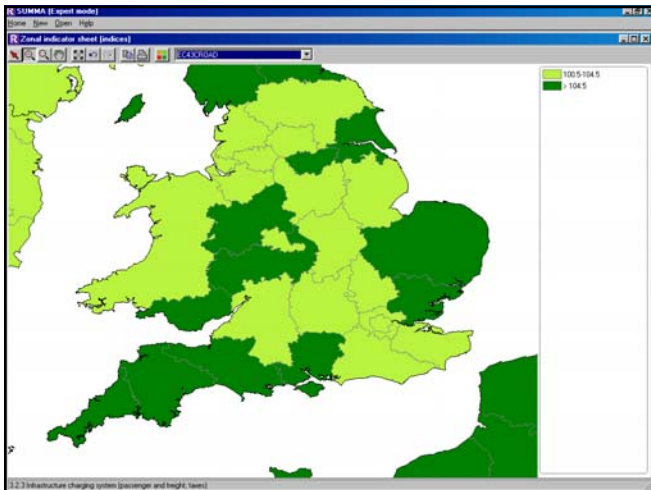
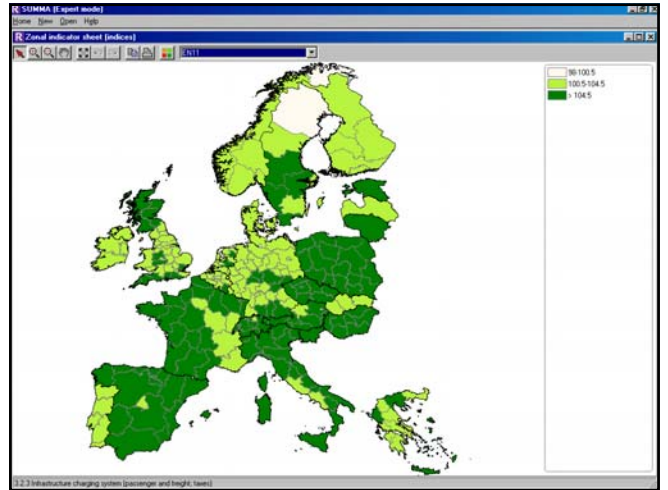
Working conditions and safety of road freight transport will be improved by increasing the number of checks of drivers in freight traffic, aimed especially at the observance of prescribed times to rest. This policy will also increase travel times for freight traffic, which will result in a reduction in the attractiveness of road transport.

[Freight policy](#)

**5.2.1. Allow bigger trucks for long-haul transport (for freight transport)**

Allowing larger and heavier trucks to be used on long-haul trips would mean that fewer truck trips would be needed to carry the same amount of goods.

[Freight policy](#)



## Besluit

- FSM wordt binnenkort opgeleverd.
- Beleidsanalyse wordt momenteel afgerond.
- Op 5 april vindt in Brussel de "Final Conference" plaats.

## Voor meer information over SUMMA

<http://www.SUMMA-EU.org/>