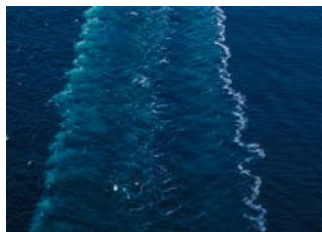




Safer, Greener and Smarter Transport Systems for Europe



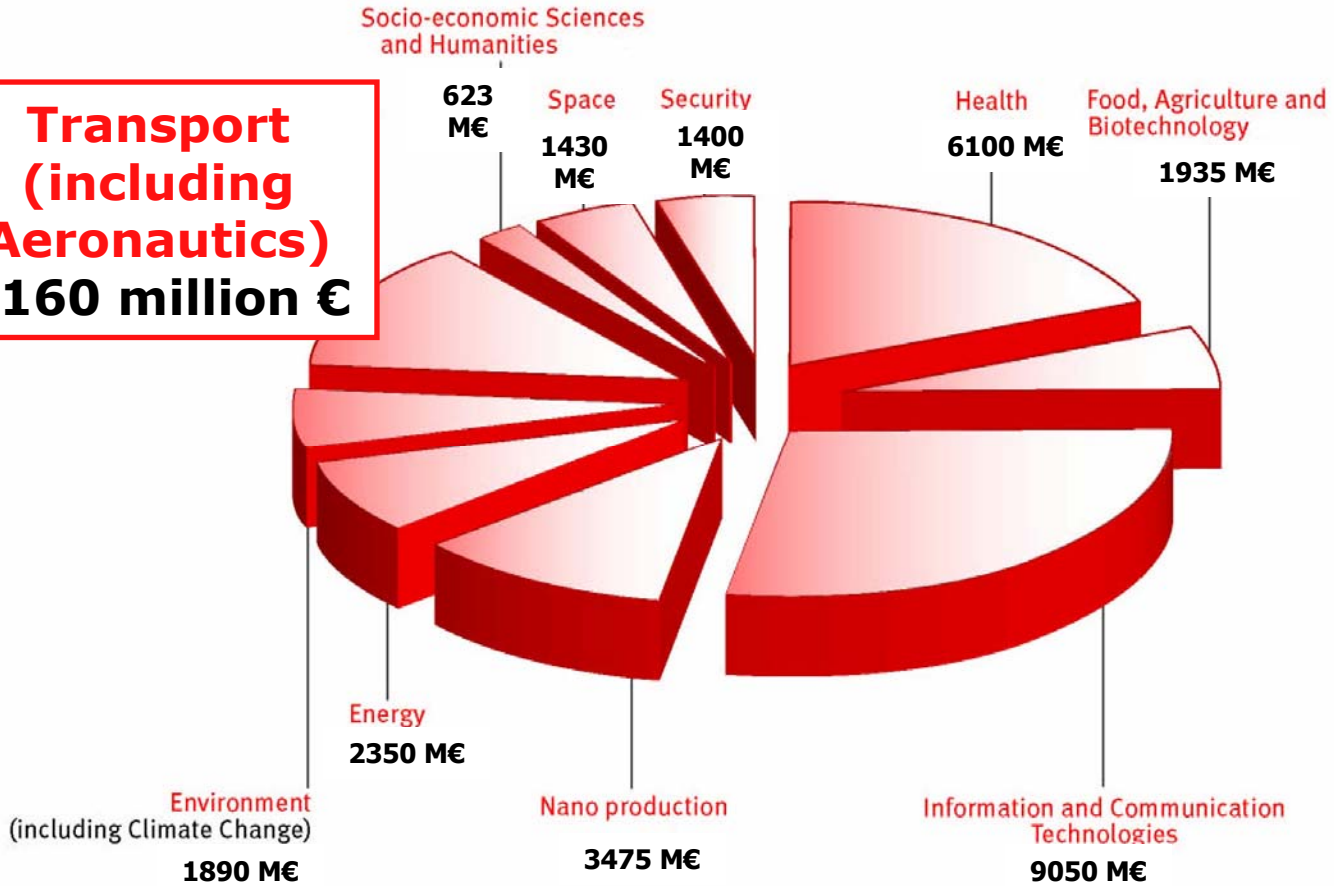
**European Commission
Research DG**

**András SIEGLER
Director for Transport**



FP7 Cooperation programme 10 thematic areas

**Transport
(including
Aeronautics)
4160 million €**



Total budget: 32413 million €



Transport research in FP7 Global Objectives

Integrated European Transport Systems

- Develop **safer, greener** and **smarter** Transport Systems
 - Benefit for citizens and society
 - Respect the environment and natural resources
- Secure and develop the **leading role** of European **industry** in the global market





Cooperation - THEME 7

TRANSPORT

Aeronautics and air transport

Sustainable Surface Transport

Galileo

(Support to the European global satellite navigation system)



Why Transport research?

■ Transport is one of Europe's strengths

- Air transport: **2.1%** EU GDP, 3.1 million jobs
- Surface transport: **11%** EU GDP, 15 million jobs

■ Transport faces major challenges

- Environment: climate change (CO₂), pollution (air, water, soil) -> public health, biodiversity
- Energy: 30% of total energy consumption -> 98% depend. oil
- Enlargement: increase of 27% population and 34% of land surface
- Mobility: people and goods (accessibility, economic development)
- Transport industries: ensure technological competitive advantages

■ Transport is important to international agreements and key EU policies

- Kyoto protocol, EU Transport policy + trade, competition, employment, cohesion, energy, security, maritime, internal market









Transport in Europe a strong industrial sector*





	Direct & indirect jobs	Turnover (billion €)	% world market share	Research investment (billion €)
Air transport sector	3,100,000	113	ca. 50	12.6
Automotive sector	11,900,000	489	ca. 30	20
Rail	1,000,000	37 110 (incl. services)	60	2
Waterborne	1,500,000	159	30	3.3
Total	ca. 17,500,000	ca. 870	N/A	ca. 38

*2005 figures



Transport in Europe the challenges (1)*

			
R&D expenditures	2% GNP	2.6% GNP	3.1% GNP

			
R&D expenditures	4% GNP	1.1% GNP	1.1% GNP

*2005 figures

Transport in Europe the challenges (2)

New Member States

- New transport industrial areas have emerged (PL, naval industry; CZ, SL, H; car manufacturing; PL: aero-valley)
- Some NMS are highly specialised in manufacture of equipment and motor vehicles (CZ, H)
- 50% of EU leading 100 equipment suppliers of vehicle parts and accessories are located in NMS (CZ, PL, H, SL, RO)
- Economically important sectors e.g.: **rail**: Czech Republic;
shipbuilding: Poland



Transport in Europe the challenges (3)

Greening of Transport

- Global warming is a worldwide concern
- Transport is responsible for 25% of CO₂ emissions in EU
- Transport related pollution costs €160 billion per year in EU
- Request for mobility is increasing (air traffic: +5% per year)
- Transport activities contribute to environmental pollution (air, water, soils, noise) with impacts on health and biodiversity

FP7 answer

- Clean technologies, alternative fuels, clean processes
- Modal shift, transport corridors decongestion, sustainable urban mobility
- JTI 'Clean Sky'





Aeronautics JTI Proposal

« Clean Sky »

Objectives

- to provide a step forward in the technology capability of ATS environmentally friendly systems:
 - integration of advanced technologies
 - full scale demonstrators
- to improve on the overall ATS impact on environment:
 - noise and emission reduction
 - fuel consumption
- to consolidate the European industry around a project of common European interest





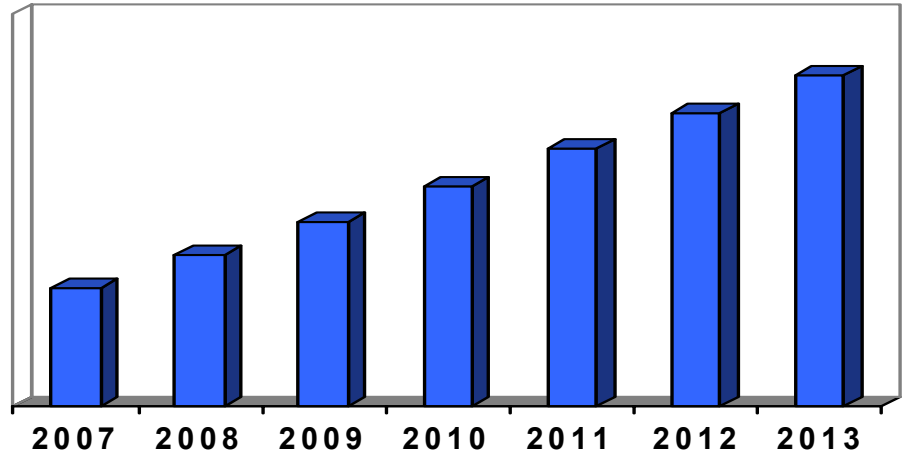
Research Transport figures

FP7

Collaborative Research

Duration: 2007 – 2013

Budget: € 4.160 billion



	FP6	FP7
Duration	5 years	7 years
Budget	€1.685 billion	€4.16 billion



FP7 Transport first calls figures

Deadline: May 3rd, 2007

	Budget 2007 (€ million)
Aeronautics and Air Transport (RTD)	153*
Aeronautics and Air Transport (TREN)	4
Sustainable Surface Transport (RTD)	153*
Sustainable Surface Transport (TREN)	60
Transport – Horizontal Activities (RTD)	12
ERA-NET Transport	3

*An amount from the 2008 budget is expected to be added to this call



Thank you for your attention

