



7º Programa Marco de IDT

TRANSPORTE

4ª Convocatoria – WP 2011
Information Day

Madrid, 15 septiembre 2010

Comisión Europea
RTD.H.1

Salvador Cervera-March





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INTRODUCTION



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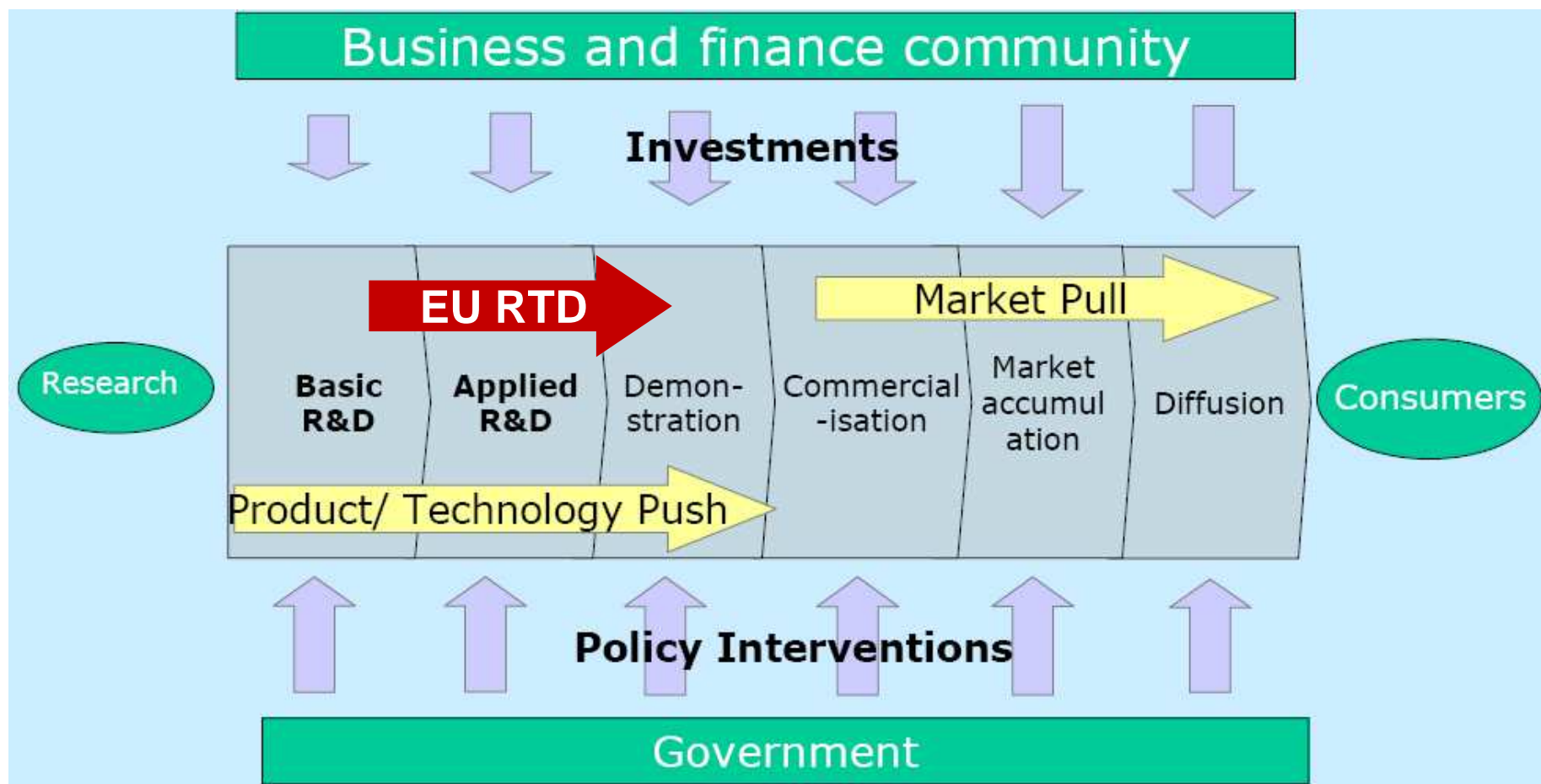
COOPERATION



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FINANCIACIÓN DE LA INVESTIGACIÓN EN LA UNIÓN EUROPEA





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7th FRAMEWORK PROGRAMME (2007-2013)

4 Specific Programmes



Cooperation

32 413 M€

Trans-national cooperation in 10 research themes through consortia



Ideas

7 510 M€

Investigator-driven “**frontier research**”, supported by an autonomous **European Research Council**



People

4 750 M€

Training, mobility, career development of researchers, (“**Marie Curie**” actions) - incl. **Industry-academia** exchanges



Capacities

4 097 M€

Research infrastructures; research specific for **SMEs**; **regional** research driven **clusters**





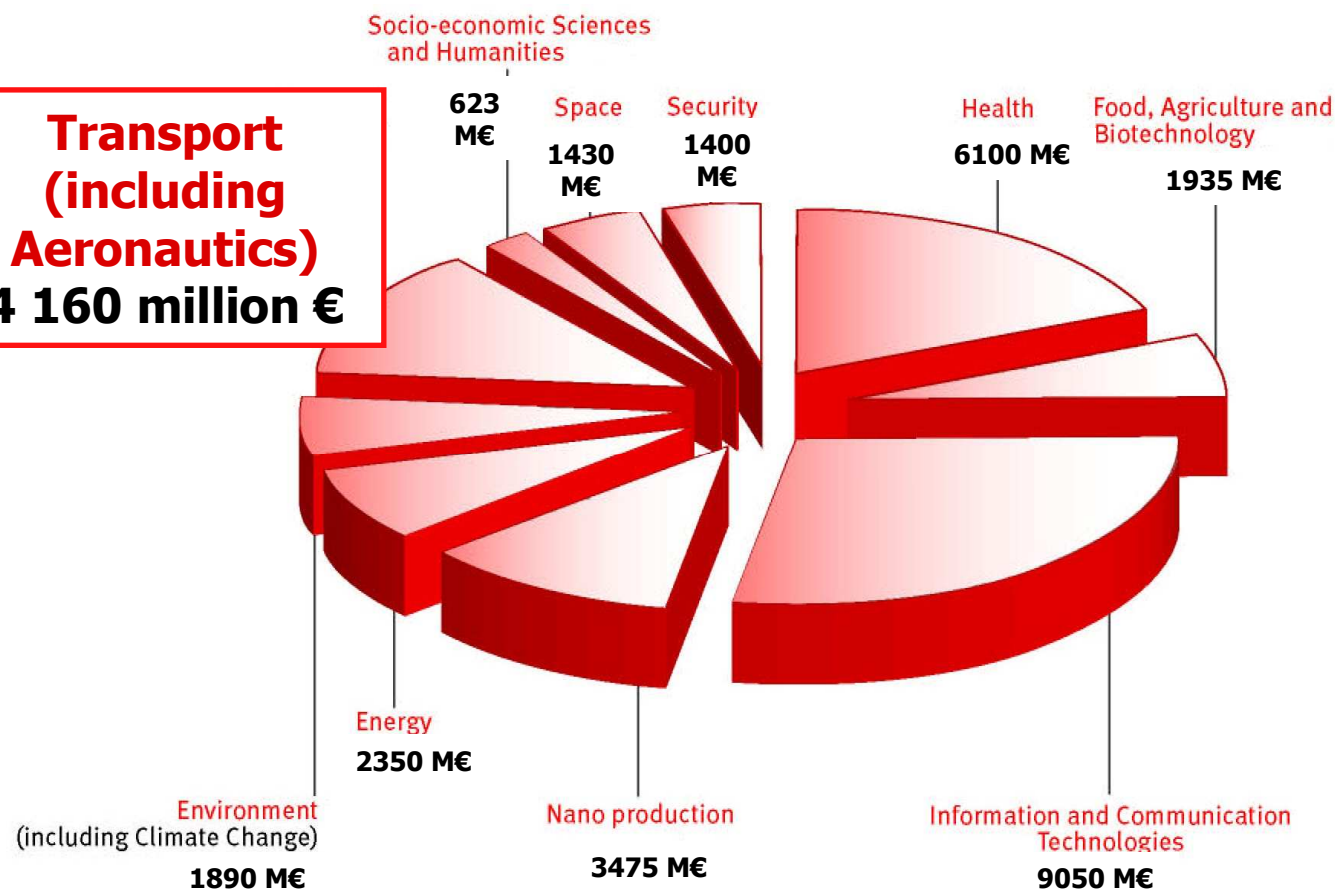
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FP7 COOPERATION PROGRAMME

10 Themes

**Transport
(including
Aeronautics)
4 160 million €**



Total budget: 32 413 million €



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THEME 7: TRANSPORT

Sub-theme 7.1. Aeronautics & Air Transport

Sub-theme 7.2. Sustainable Surface Transport

Sub-theme 7.3. Horizontal Activities
(for the implementation of the Transport Programme)

Sub-theme 7.4. Galileo
(support to the European Global Satellite Navigation System)



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FP7 “Cooperation” Work Programme Transport



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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, **16 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 & key EU policies

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





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TRANSPORT RESEARCH IN FP7

Global objectives

CIVIL ONLY !



Based on

- technological & operational advances
- European Transport policy
- Develop **integrated**, **safer**, **greener** & **smarter** European Transport Systems
 - Benefit for citizens & society
 - Respect the environment & natural resources
- Secure & develop the **competitiveness** of European **industry** in the global market



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Policy context

- The **White Paper** on Transport '*European Transport Policy for 2010: Time to decide*' and its Mid-term review
- The Communication '**A sustainable future for transport:** *towards an integrated, technology-led and user friendly system*'
- The '**European Economic Recovery Plan**'
- The **Political guidelines** for the next Commission
- The Commission Communication '**Europe 2020** – *A strategy for smart, sustainable and inclusive growth*'
- The European Road Safety Action Programme 2011-2020
- The Commission Communication '*Limiting Global Climate Change to 2 degrees Celsius. The way ahead for 2020 and beyond*'
- The **Lund Declaration**



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Policy context

Other European Union policies are also of relevance for Transport research:

- The **Sustainable Development Strategy**
- The **Marine and Maritime Research Strategy**
- The European Agenda for Freight Logistics
- The establishment of the European Maritime Transport Area without barriers
- And the EU Maritime Transport Strategy 2018



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Policy context

- Transport has become **a victim of its own success**, leading to **traffic congestion** and **excessive use of fossil fuels**
- The **grand challenge** for transport is to overcome this paradox and **make growth and sustainability compatible**
 - By **decoupling** environmental impacts from economic growth
 - While ensuring the **competitiveness** of the European transport industry



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Policy context

- European transport research has a role to maintain & increase the **efficiency of the different transport modes** as well as **their interaction** and to foster progress
- **Technological progress**, the **organisation of transport** and understanding the **supply & demand** factors are key elements in European transport research and innovation
- The European transport system serves **key roles** in the transportation of **people and goods** in a local, regional, national, European and international context
- It is essential to **Europe's prosperity** and closely linked to economic growth and quality of life



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Approach

The **strategic objectives** of transport research can be summarized as follows:

- **Decarbonising & greening** the transport system
- Increasing **efficiency** of the whole transport system
- Improving **safety & security** of passengers
- Strengthening the **competitiveness** of the European industry
- Pioneering the **transport of the future**
- Enhancing and strengthening the **European Research Area**



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- The transport theme takes a holistic transport **system approach** in addressing the challenges
- By considering the **interactions** of vehicles or vessels, networks or infrastructures and the use of transport services





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WP2011 STRATEGY

- **Principle of annuality** of budget consumption → future calls of the Transport theme will be smaller than the first two calls
- **Balance** between *bottom-up* and *top-down* research
- **Balance** between *upstream* research and research on *technology integration*
- **Balance** between various *research areas* and *funding instruments* for the successive WPs in the period 2010-2013
- **Results** of 2007, 2008 and 2010 calls



A multi-annual perspective !



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Special features

- WP2011 is complementary to WP2010 and concentrates on **few topics** that can make a difference
- WP2011 reflects the **political priorities** of EU Transport research
- Priorities support to the implementation of **policy commitments** the EU & individual States have assumed on a European & international level



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Summary of calls

- **7 Calls have been published on 20 July 2010**
 - FP7-AERONAUTICS and AIR TRANSPORT (AAT)-2011-RTD-1
 - **FP7-SUSTAINABLE SURFACE TRANSPORT (SST)-2011-RTD-1 (including the 'European Green Cars Initiative')**
 - FP7- SUSTAINABLE SURFACE TRANSPORT (SST)-CIVITAS-2011-MOVE
 - 'Advanced manufacturing processes for batteries and electrical components' (FP7-2011-GC-ELECTROCHEMICAL-STORAGE)
 - 'The ocean of tomorrow' (FP7-OCEAN-2011)
 - FP7-TRANSPORT (TPT)-2011-RTD-1
 - FP7-GALILEO-2011-GSA-1
 - FP7-GALILEO-2011-ENTR-1
- **Closing Date: 2 December 2010**
- **Total Budget: 303.6 M€**





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Funding schemes (1/3)

- The **type of support** that can be given to a project within a call (= **type of project**)
- The funding schemes applicable to each topic are indicated in the Work Programme
 - **CP**: Collaborative Projects
 - **BSG-CSO**: Research for the benefit of specific groups – Civil Society Organisations
 - **CP-SICA**: Specific International Cooperation actions
 - **CSA-CA**: Coordination and Support Actions – coordinating
 - **CSA-SA**: Coordination and Support Actions – supporting



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Funding schemes (2/3)

Collaborative Projects – Focused Projects (CP-FP)

- Support for **research projects** carried out by **consortia** with participants from **different countries**, aiming at developing new knowledge, new technology, products, demonstration activities or common resources for research
- The **size, scope & internal organisation** of projects can vary from field to field and from topic to topic
 - **Limits** on the EU financial contribution could apply
 - This distinction is also an **eligibility criterion**



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Funding schemes (3/3)

Coordination and Support Actions (CSA-CA, CSA-SA)

- Support for activities aimed at
 - **coordinating**, or
 - **supporting**

research activities & policies (networking, exchanges, trans-national access to research infrastructures, studies, conferences, etc.)



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Eligibility conditions

Funding scheme	Minimum conditions
CP	3 partners 3 MS/AS
BSG-CSO	Same, but at least 1 CSO
CP-SICA	4 partners 2 MS/AS 2 ICPC
CSA-CA	Same as CP
CSA-SA	At least 1 partner



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INDICATIVE BUDGET FOR TRANSPORT WORK PROGRAMME 2011

Sub-theme / call		€ million
Aeronautics & Air Transport (AAT call)		121.30
Sustainable Surface Transport (SST-RTD call inc. Green Cars, ERA-NET Plus & two joint calls)		121.25
Sustainable Surface Transport (SST-MOVE call: CIVITAS)		18.00
Horizontal Activities (TPT call)		6.00
Galileo (GSA-ENTR call)		30.50
Other actions	International Energy Agency	0.05
	Galileo (public procurement)	6.50
TOTAL		303.60



ON