

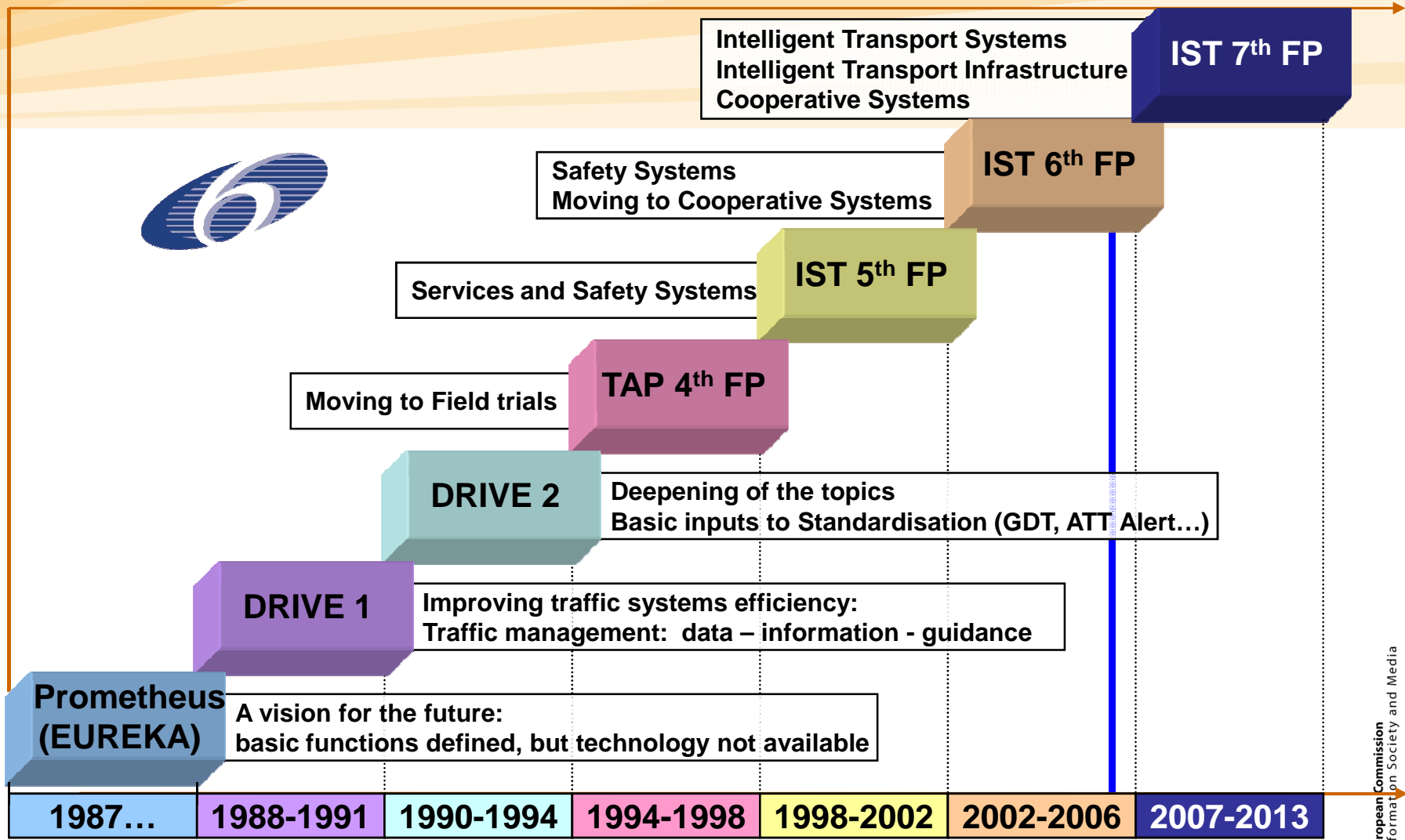
# **Smart Urban Mobility and New Mobility Concepts Research Opportunities in ICT call 6 ICT for Mobility of the Future**

**ICT for Transport  
European Commission  
Directorate-General Information Society and Media**

European Commission  
Information Society and Media



# ICT for transport: Towards cooperative systems



European Commission  
Information Society and Media



# RTD in the 6th and the 7th FP



# Workprogramme 2007-2008

## Call 1 ICT for Intelligent Vehicles & Mobility Services

### Focus:

- Intelligent Vehicle Systems
- Mobility Services for People
- Mobility Services for Goods

### Selected proposals:

2 IP  
9 STREP  
3 SA  
56.6 M€ funding



## Call 2 ICT for Cooperative Systems

### Focus:

- Cooperative Systems
- Field Operational Tests

### Selected proposals:

2 IP  
6 STREP  
3 SA, 1 NoE  
48 M€ funding

# Workprogramme 2007-2008

## Call 4

### ICT for Safety and Energy Efficiency in Mobility

#### Focus:

- ICT for Intelligent Vehicle Systems
- ICT for Clean and Efficient Mobility
- Coordination and Support Actions

#### Under Negotiation

2 IP  
5 STREP  
3 CSA  
53.0 M€ funding

## Call 5

### Objective

10.3

ICT for Fully  
Electric  
Vehicle

#### Opened in

2009

20 M€  
Funding



## Call 6

### ICT for Mobility of the Future

#### Focus:

- FOTs for Integrated Safety Systems and Co-operative Systems
- ICT-based Systems & Services for Smart Urban Mobility & New Mobility Concepts
- Coordination and Support Actions
- International Cooperation

Will open in 2009  
37 M€ funding

# Workprogramme 2009-2010

## Call 6 - Topics proposed

### Call 6 - Objective 6.2: ICT for Mobility of the Future

- Field Operational Tests for Integrated Safety Systems and Co-operative Systems ⇒ **IP, STREP, CSA**
  - assess improvements in efficiency, safety and comfort
  - analysis of user acceptance, performance and benefits
  
- ICT-based Systems & Services for Smart Urban Mobility & New Mobility Concepts ⇒ **STREP**
  - address the environmental footprint and safety of mobility, while fostering economic growth
  
- Coordination and Support Actions ⇒ **CSA**
  - Including International Cooperation

# Workprogramme 2009-2010

## Call 6 - Information

### Call 6 - Objective 6.2: ICT for Mobility of the Future

**Indicative budget:** 37 M€ funding

**Opens:** 24-11-2009

**Closes:** 12-04-2010 (17:00)

## Objective 6.2: ICT for Mobility of the future (2)

### Sub-area: Field Operational Test for Integrated Safety Systems and Cooperative Systems

#### Aiming at:

- assess improvements in efficiency, safety and comfort
- collect data allowing analysis of user acceptance, performance and benefits for road safety and efficiency of both autonomous on-board and cooperative systems

#### Research topics include:

- large-scale test programmes of close-to-market systems, before their full-scale deployment in Europe.
- performance validation of safety-related co-operative systems

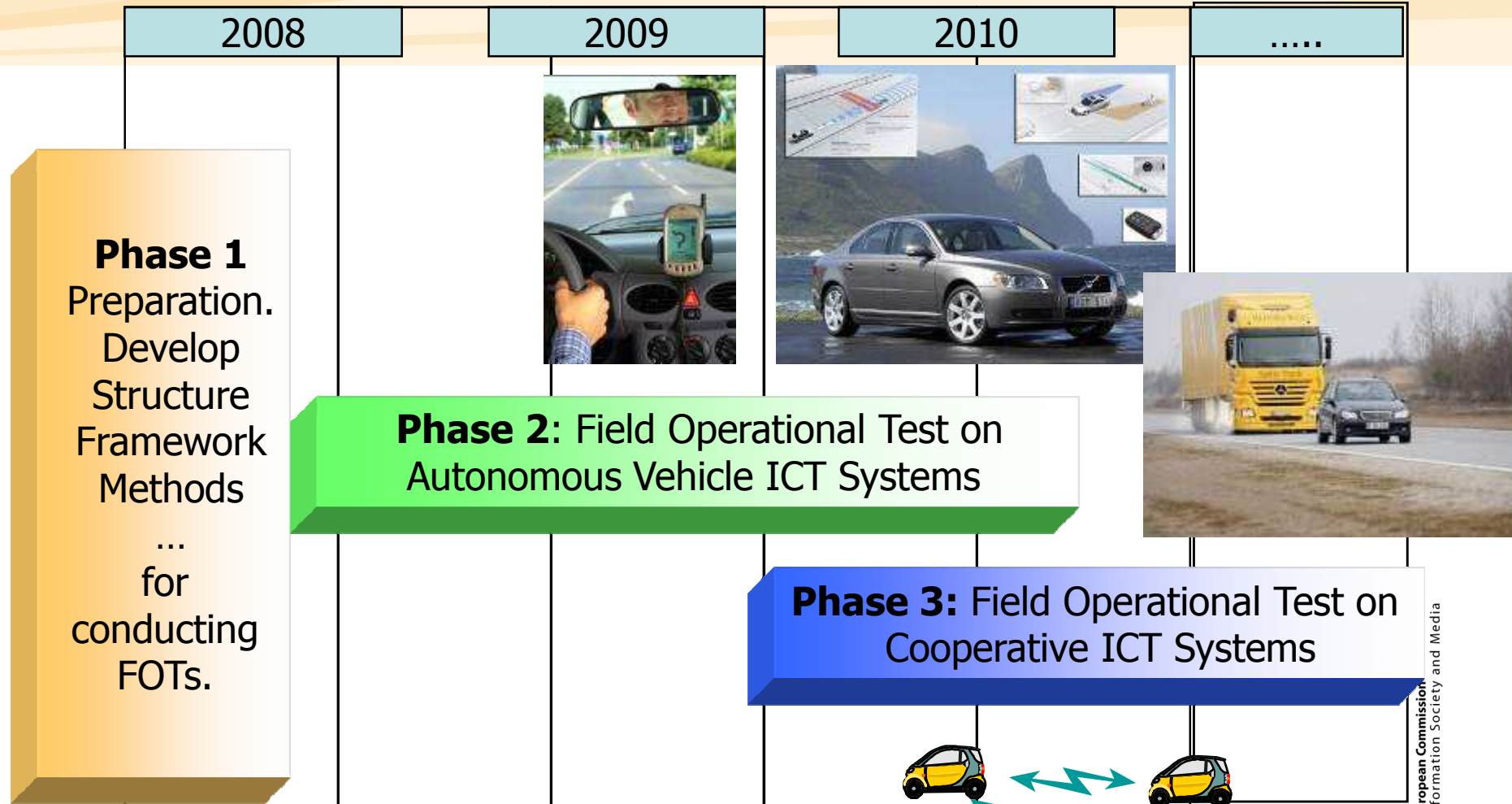
*“...FOT’s are an essential tool to test several ICT systems in real environment and thus give the opportunity to evaluate their combined impact on drivers’ behaviour and on the transport system...”* (SRA, ICT for Mobility)

Open for  
IP, STREP and CSA



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## Field Operational Tests (FOT) in FP7: Evaluation of ICT functions and their effects in real traffic



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## Objective 6.2: ICT for Mobility of the future (3)

### Sub-area: ICT-based systems and services for Smart Urban Mobility and New Mobility Concepts

#### Aiming at:

- to address the environmental footprint and safety of mobility, while fostering economic growth.

#### Research topics include:

- innovative new tools, services and methods for demand management ICT tools and services for logistics optimized for urban environments
- use of ICT for replacing mobility (virtual mobility, tele-presence)
- new, multi-modal urban mobility concepts



*"...Research needs to be pursued in several complementary areas in a coordinated manner in order to develop further concepts for urban mobility..."*

(SRA, ICT for Mobility)

Objective 6.2: ICT for Mobility of the future (4)

Sub-area: Coordination and Support Actions

In the framework of the Intelligent Car initiative.

- research agendas
- dissemination of results (user awareness campaigns)
- assessments of socio-economic impact
- training



Open for CSA



**Objective 6.2: ICT for Mobility of the future (5)****Sub-area: International Cooperation**

active exchange of information through:

- the creation of bilateral task force(s)
- regular workshops:
  - for mutual validation and exploitation of programme results, e.g. methodologies, draft specifications and standards; and
  - for accessing Field Operational Tests datasets.



*"...International Cooperation is necessary to allow Europeans (industry and public authorities) to exploit research results quickly and to adapt them to the regional requirements..."* (SRA, ICT for Mobility)

## Objective 6.2: ICT for Mobility of the future (6)

### Expected Impact

- Improved safety, efficiency and competitiveness of transport systems
- Optimised mobility of people and goods in urban environments across different transport modes
- Improved quality of life in urban environments
- New mobility concepts which meet the increased demand, support economic growth, are environmentally sustainable and capable of accommodating future uncertainties and shocks.
- Wider uptake of intelligent vehicle systems and co-operative systems through proof-of-concept to all stakeholders in Field Operational Tests.
- Increased European research excellence by fostering closer cooperation with leading international partners.

# Future directions

## Workprogramme 2011-2012 (1)

**It is being prepared**  
**... taking into consideration the input from:**

- The on-going research activities
- Strategic Research Agendas of transport related Technology Platforms (ERTRAC, ERRAC, ACMARE...)
- the eSafety Forum eRTD Working Group Research Agenda
- The Member States' activities
- Input from professional and research organisations: EUCAR, ECTRI, CLEPA, FERHL, CEDR ...
- Exchange of views with key actors in USA and Japan
- **Results from previous calls**

# Future directions

## Workprogramme 2011-2012 (2)

### Topics currently proposed for Calls

#### Under Challenge 6 – Low Carbon Economy

- Cooperative Systems for safe, energy efficient and environmentally sustainable mobility
- Low carbon multi-modal mobility and freight
- The connected car of tomorrow

#### Under the Green Cars PPP

- Fully Electric Vehicle based on Cooperative Systems

The following **horizontal issues** should be addressed as well:

- Security, privacy
- Co-modality
- Field Operational Tests (FOT)
- Standardisation
- **Methodologies** for the measurement of the impact of ICT applications in reducing CO2 emissions of road transport
- International cooperation

## More information

Mail Boxes:

[Info-g4@ec.europa.eu](mailto:Info-g4@ec.europa.eu)

eSafety Web-site:

[http://ec.europa.eu/information\\_society/activities/esafety/index\\_en.htm](http://ec.europa.eu/information_society/activities/esafety/index_en.htm)

eSafety on CORDIS website:

<http://cordis.europa.eu/ist/so/esafety/home.html>



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**Thank you for your attention!**

