

FP7
Green Car
ICT theme
call 5 : objective GC-ICT-2009-10.3

- ✓ Call specification
- ✓ Topics
- ✓ Funding schemes



Call Specifications

Call 5 GC-ICT-2009-10.3

- **Expected date of publication:** 30 July 2009
- **Expected deadline:** **3 Nov. 2009**
- **Total indicative budget:** 20 M€
- **Funding schemes:**
 - **CP: Collaborative Projects : STREPS** (19M€)
medium to large scale STREPS : ‘along the value chain’
 - **CSA: Coordination Support Action** (1M€)



ICT focus: “Fully Electric Vehicle and its infrastructure ” 2010-2013

- ERTRAC (EUCAR+CLEPA), EPoSS, SMARTGRID
- Research areas and research needs :
 - * energy storage
 - * drive train
 - * ***vehicle concepts and integration***
 - * grid integration and interfaces
 - * EV integration in transport system

ICT WP
2010



Draft

EGCI in the ICT WP2010 update: Objective 10.3 “ICT for the Fully Electric Vehicle“

Call opening July 30, 2009 closing Nov 3, 2009
funding €20 Million

Objectives :

Highly energy-eff. ICT components and solutions for FEV

Optimisation at vehicle and system levels

Set requirements and standards for subsystems, components, communications and closed-loop control

Impact:

- Increased overall power and energy efficiency of FEVs
- Strengthen global competitiveness of the European automobile sector, incl. components and systems suppliers
- European leadership in the move towards electrification of mobility and transport of goods and passengers



Draft

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(a) Research priorities:

STREP

1. New solutions for **overall efficiency gains** in the electric vehicle :

- (i) **ict-solutions & models :electrical and thermal management**
- (ii) **auxiliaries (energy eff. & lightweight electrified)**
- (iii) **closed-loop control & cooperative interactions of subsystems**

2. **Safe and robust sub-systems** : communication, sensors, actuators, distr. controls, power electronics, adapt. components and realtime monitoring and control for active safety and comfort

3. **Advanced fail-safe systems and electrical architectures, new concepts for vehicle-to-road infrastructure integration, new generation ADAS and active safety systems for FEVs**

CSA



European Commission
Information Society and Media

Draft

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STREP

(b) European “Fully Electric Vehicle” Coordination Action:

- **European vision & roadmap “ICT for FEVs” - standardisation**

CSA



European Commission
Information Society and Media



ICT-related calls and topics



Microsystems and Smart Miniaturised Systems

(ICT-2009.3.9 in Call 5)

ICT for Mobility of the Future

(ICT-2009.6.2 in Call 6)



European Commission
Information Society and Media



Thank you! ...

- Information Society and Media:
 - http://ec.europa.eu/information_society/
 - <http://cordis.europa.eu/ist>
 - <http://cordis.europa.eu/micro-nanosystems>
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