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11th eSafety
Forum Plenary
Meeting

23 March
2009

*The
European
Green Cars
Initiative*

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Content

Research facet of the “European Green Cars Initiative”:

- FP7 funds and instruments
- Types of calls





A European Economic Recovery Plan

- Adopted by the EC on 26 Nov 2008 and endorsed by the EU Council on 11-12 Dec 2008 *"To support innovation in manufacturing, construction and in the **automobile sector**, which have recently seen **demand plummet** as a result of the **crisis** and which face significant challenges in the transition to the **green economy**..."*
- The **R&D** component of the **European green cars initiative** is one of 3 Public-Private Partnerships (PPPs) proposed, along with:
 - European energy efficient buildings initiative
 - Factories of the future initiative





European Green Cars Initiative 3 main streams of actions:

- **EIB loans** in support of industrial innovation Budget: **€4 billion** (in addition to existing loans)
- **Demand side measures & public procurement:**
e.g. reduction of circulation & registration taxes for low CO2 cars
- **PPPs for research on greening road transport:**
Budget: **€1 billion**
(€500 million from EC matched by €500 million from industry and Member States)



European Green Cars Initiative: stakeholders' involvement

- Collaboration between public and private sector
- Use of existing, well-proven interfaces with stakeholders
- Liaison with industry via relevant European Technology Platforms



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European Technology Platforms involved



European Road Transport Research
Advisory Council



European Technology Platform on
Smart System Integration



European Technology Platform for the
Electricity Networks of the Future

5th March 2009: Meeting of the Director General for Research
with the representatives of the ETPs



European Green Cars Initiative: expected impact

- Short – term actions \Rightarrow maintaining a high-level of R&D investment in particular in the area of clean cars and related technologies
- Long-term priorities \Rightarrow halting the pace of climate change by adopting greener technologies



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Research part of the European Green Cars Initiative

- Mainly through the implementation of FP7
Estimated FP7 contribution: 500M€ for 2010-2013
- Cross-thematic calls approach \Rightarrow better coordination between different themes
- Future Calls: ERA NET+ foreseen \Rightarrow additional contribution from the Member States



European Research Area



European Green Cars Initiative: R&D to focus on more than cars!

- All road vehicles: passenger cars, buses, urban vehicles and trucks
- Infrastructure (smart grids, distribution & recharging of systems)
- Logistics, co-modality, and ITS



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Forthcoming FP7 Calls

3 forthcoming calls in **2010**

Overall budget: +/- €100 million

Opening Date: July 2009

1. DG RTD main call
2. DG INFSO main call
3. Joint Call on Electric Batteries





DG RTD - 2010 Call Road Electrification Research

Focus on electric and hybrid vehicles

- Energy storage systems
 - Smart storage integration
- Drive Train
 - Electric machines (motors, generators)
- Vehicle Integration
 - Integrated Electric auxiliaries and on-board systems
 - Optimized thermal engine development and integration (range extenders)
- Electric Car, integrated with the transport system
 - Advanced electric vehicle concepts





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DG RTD

Joint Call on Electric Batteries

Joint Call on Electric Batteries

- Emphasis on step change on advanced materials and on chemistry
- Budget: ca. €25 million



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Thank you for your attention

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