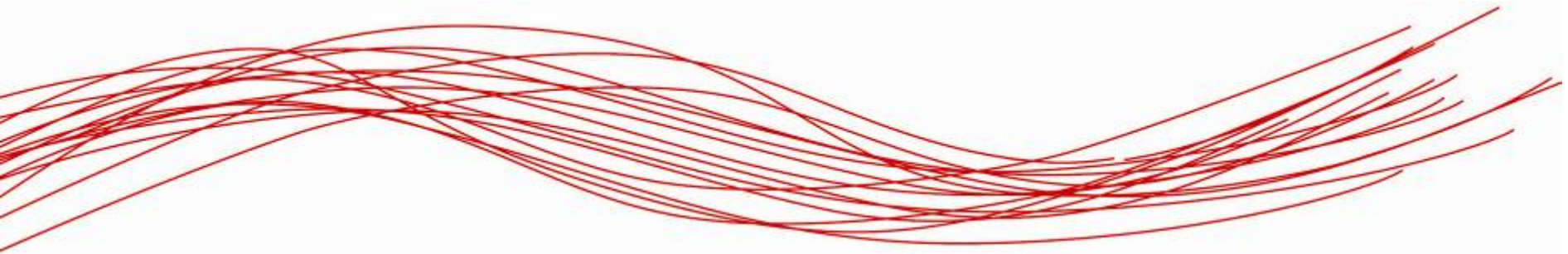


# Einführung in das 7. FRP und die PPPs einschließlich Zielen und Besonderheiten



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**Disclaimer: Note that this presentation is not legally binding and does not represent any commitment on behalf of the European Commission**

**Informationsveranstaltung zu den Public-Private Partnerships (PPPs) 21. Juni 2010, Berlin**



- Hintergrund
- Ziele
- Budget
- Besonderheiten gegenüber « Business-as-usual »
- Ergebnisse & Rückblick
- Umsetzung 2011

- **Europe 2020 Strategy:**
  - Intelligent, sustainable and inclusive growth
- **Long-Term Challenges:**
  - Employment, Health, Environment, Climate Change and Energy
- **Recovery package**
  - Public Private Partnerships, support to Innovation

# RTD-objectives to meet the policy guidelines

- EU research policy will be one of the motors of our sustainable development
  - boost research, development and innovation
  - make a reality of the European Research Area
- New framework for public-private partnerships
  - bring different sources of funding together
- Refocusing on key areas, in particular:
  - more industry-driven applied R&D to bring new, leading edge products and clean technologies to markets



# Recovery Plan & PPPs

- Adopted by the EC on 26 Nov 2008 and endorsed by the EU Council on 11-12 Dec 2008

- **Includes 'smart investment' in research:**

*To support innovation in the manufacturing, construction and automotive sectors, which have recently seen demand plummet as a result of the crisis and which also face significant challenges in the transition to the green economy...'*

- **Three Public-Private Partnerships (PPPs)**

Objective: to promote the convergence of public interest with industrial commitment and leadership in determining strategic research activities



# Public-Private Partnerships

## « Factories of the Future » - FoF

Budget 1.2 b€ 2010-2013

## « Energy-Efficient Buildings » - EeB

Budget 1 b€ 2010-2013

## « Green Cars » - GC

Budget 1 b€ 2010-2013



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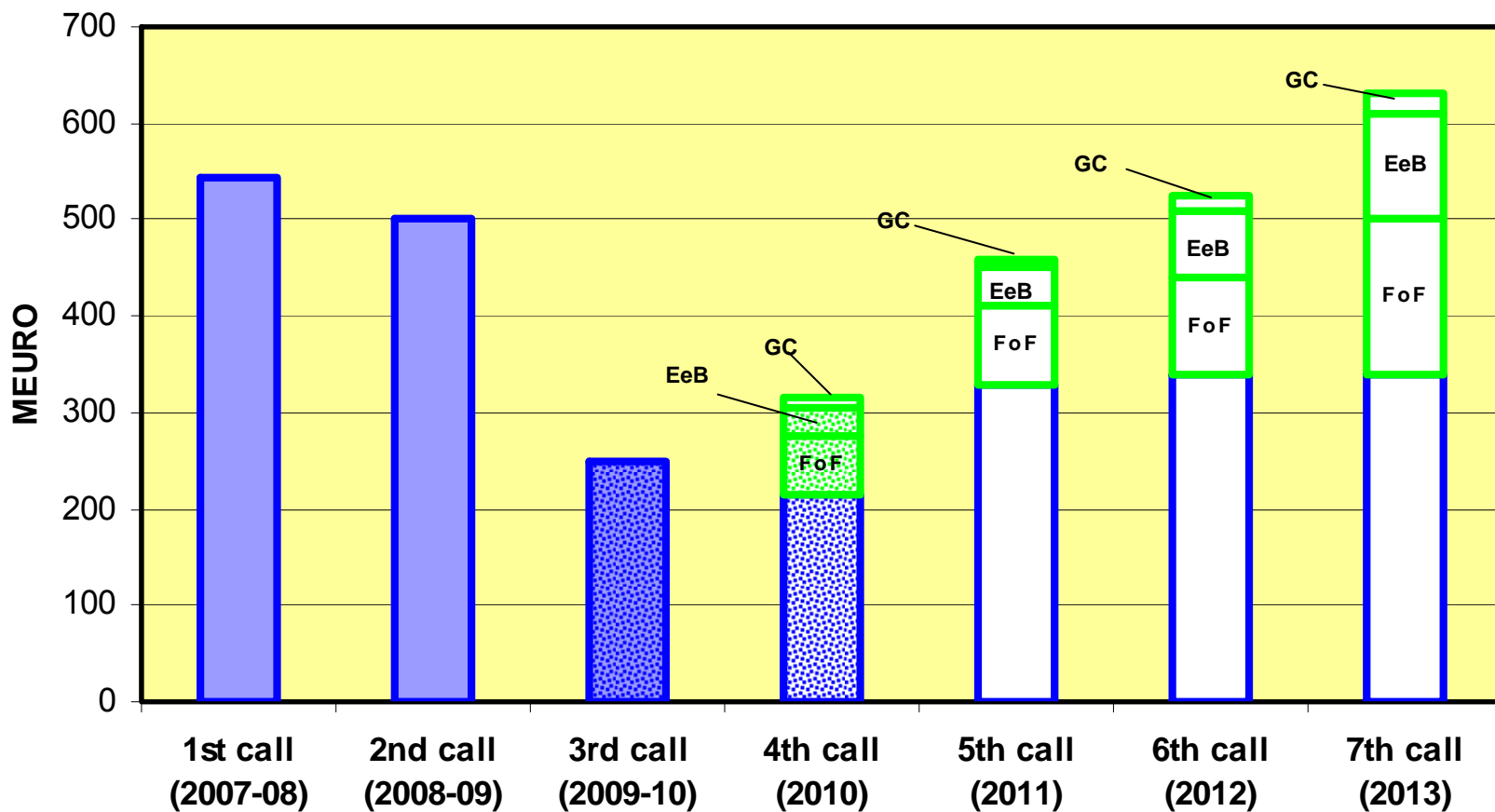
## « Future Internet » - FI

Lunched April 2010 – budget 600 M€ 2011-2013

# Budget Contributions FP7

Budgets (M€)	NMP	INFSO	TRANSPORT	ENERGY	ENV	TOTAL FP7	TOTAL PPP
Factories of the future	400	200 +45				600 +45	1,200
Energy-efficient Buildings	250	100 +5		125	25	500 +5	1,000
Green Cars	60	120	220	50	50	500	1,000
<b>TOTAL</b>	<b>710</b>	<b>420 +50</b>	<b>220</b>	<b>175</b>	<b>75</b>	<b>1,600 +50</b>	<b>3,200</b>

## FP7-NMP Tentative Budget Distribution



# Why a PPP ?

- Industry wants to have a leading role in defining research priorities, and to be involved in programme implementation
- A multi-annual integrated Work Programme with pre-defined budget ensures continuity in the implementation of research strategies & allows industry to have long-term investment plans
- Activities going from basic and applied research through to large-scale demonstration. More emphasis on impact.
- Increased use of SME-friendly research instruments

# Specific Procedural Aspects

- **Involvement of industry** in planning and implementation
- **Single stage** evaluation to **reduce time** to contract
- **Coordinated & Joint** Calls for Proposals
- **Specific PPP Annex** to the WP for higher visibility

- **Open to all proposers according to normal FP7 rules**

# Multi-annual Roadmaps

- **Strategy documents**
- **Time focused** on the period 2010 to 2013
- **Challenge and target oriented:** leading to the needed impacts
- **Prepared by Ad-hoc Industrial Advisory Groups**
- **Consensus-based** to generate wide stakeholders support
- **Not so detailed** as to define the specific call topics



# FoF - Expected results

- **Sustainable manufacturing:**  
Quiet, clean and safe green production machines
- **ICT-enabled intelligent manufacturing:**  
Intelligent machines capable of interacting with operators, self-monitoring and self-correct smart production lines
- **High performance manufacturing:**  
Towards zero-defects, lean and adaptive manufacturing processes
- **Exploiting new materials through manufacturing:**  
Light-weight/high-functionality using new materials and micro/nano manufacturing ('portable factory')

# EeB - Expected results

- **Monitoring tools:**  
Rapid on-site measurement of actual performances
- **The building envelope:**  
Highly efficient and smart windows
- **Systems and equipments:**  
Integrated PV solutions and ICT for energy efficiency
- **Environmental technologies:**  
Retrofitting of historic buildings
- **Standardisation:**  
Pre-normative research, standards
- **Demonstration:**  
Integration of innovative technologies

# GC - Expected results

- **Electrification of road & urban transport:**  
Efficient components and their integration within vehicles, along with vehicle-to-grid interfaces
- **Energy efficiency for heavy-duty vehicles:**  
Particular focus on internal combustion engines and rolling resistance
- **Logistics & co-modality:**  
Optimisation of global transport systems and traffic flows

# Results 1st PPP-Calls

- Success rates: FoF 26 %; EeB 28%; GC 33%
- Share by Type of Organisation (requested funding):
  - Higher Education: 23 %
  - Private for Profit: **54 %**
  - Research Org: 22 %
- Share of Funding of SMEs (retained proposals): countries represented **31 %**
- First contracts signed April 2010 (5 month to GA)
- First projects started 1st of May 2010

# Implementation 2011

<b>CALL</b>	<b>Deadlines</b>	<b>Budget (in M€)</b>	<b>N of topics</b>
<b>FoF PPP</b>	2 DEC 2010	80 (NMP) 80 (NMP)	6 (NMP) 3 (ICT)
<b>EeB PPP</b>	2 DEC 2010	40 (NMP) 20 (ICT) 20 (ENER) 5.5 (ENV)	4 (NMP) 2 (ICT) 1 (ENER) 2 (ENV)
<b>GC PPP</b>	2 DEC 2010	10 (NMP) 5 (ENV) 10 (TRANS)	1

# Implementation 2011

## Info-days for the PPPs: 9 JUL 2010:

- Factories of the Future PPP
- Energy-efficient Buildings PPP
- Green Cars PPP

## Further information ...

***FP7 Research Themes and Call information***  
[cordis.europa.eu](http://cordis.europa.eu)

***Information on the Research PPPs***  
[ec.europa.eu/research/industrial\\_technologies/](http://ec.europa.eu/research/industrial_technologies/)



# Call Topics WP 2011

## FoF PPP

- FoF.NMP.2011-1 The eco-factory: cleaner and more resource-efficient production in manufacturing
- FoF.NMP.2011-2 Cooperative machines and open architecture control system
- FoF.NMP.2011-3 Robots for automation of post-production and other auxiliary processes
- FoF.NMP.2011-4 High-tech solutions in the production processes for customised healthy, green and safe consumer products
- FoF.NMP.2011-5 Towards zero-defect manufacturing
- FoF.NMP.2011-6 Manufacturing chains for nano-phased components and coatings

# Call Topics WP 2011

## EeB & GC PPP

- EeB.NMP.2011-1 Materials for new energy efficient building components with reduced embodied energy
- EeB.NMP.2011-2 New efficient solutions for energy generation, storage and use related to space heating and domestic water in existing buildings
- EeB.NMP.2011-3 Energy saving technologies for buildings envelope retrofitting
- EeB.NMP.2011-4 Geo-cluster approach to support European energy-efficiency goals
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- GC.NMP.2011-1 Advanced eco-design and manufacturing processes for batteries and electrical components