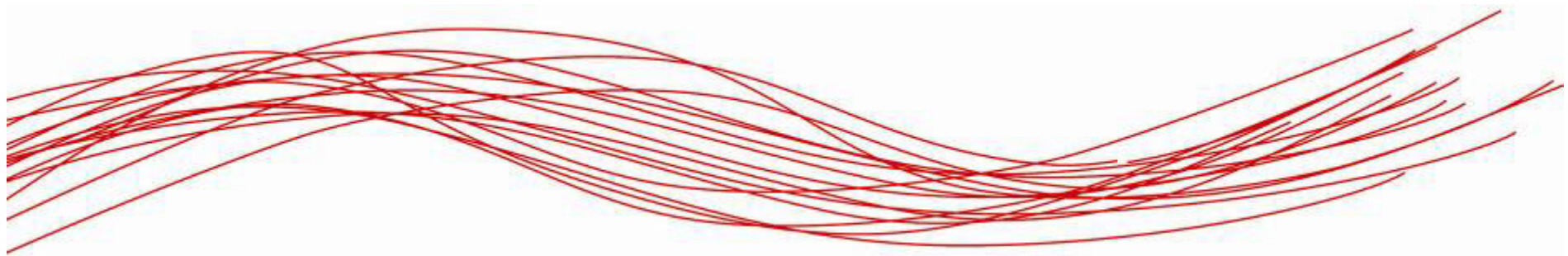




# The three Research PPPs : Implementation in 2010-2011



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Disclaimer: This presentation is not legally binding and does not represent any commitment on behalf of the European Commission

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# EUROPE 2020 and the PPPs

- **Strategy for smart, sustainable and inclusive growth:**
  - Innovation, Competitiveness, Green & Social aspects
- Among 7 **flagship initiatives**, PPPs may play a strategic role in Innovation Union, Resource-efficient Europe and Industrial policy
- **Innovation Partnerships** will build on initiatives such as the PPPs
- **Focus on facing the Grand Challenges:**
  - Recovery, Employment, Ageing, Environment, Energy ...
- **3% for R&D** and **20/20/20 climate targets** should be met
- **Support to PPPs** as a tool to combine public and private funding
- **Acting efficiently together** as in the Recovery Plan

# Factories of the Future PPP

## Manufacturing sector (1.2 billion in 4 years)

- 21% of the EU's GDP and 30 million jobs before the crisis
- Manufacturing production declined by 20% in 2009
- Need to produce more with less resources and waste
- Themes: NMP, ICT

## Goal: Cross-sectoral enabling manufacturing technologies

Sustainable manufacturing

ICT-enabled intelligent manufacturing

High performance manufacturing

Exploiting new materials through manufacturing

# Energy-efficient Buildings PPP

## Construction sector (€ 1 billion in 4 years)

- 10% of the EU's GDP and 32 million jobs before the crisis
- Building activity dropped by 8% in 2009 and declines further
- 40% of energy use and 33% of GHG emissions in Europe
- Themes: NMP, ENERGY, ICT, ENVIRONMENT

## Goal: New concepts for energy-efficient construction

Energy-efficient refurbishment of existing buildings

Neutral/energy-positive new buildings

Energy-efficient districts/communities

# Green Cars PPP

## Automotive sector (€ 1 billion for research in 4 years)

- 11% of the EU's GDP and 14 million jobs before the crisis
- Total vehicle production decreased by 23% in 2 years
- In Europe, 73% of oil is used in transport
- Themes: TRANSPORT, NMP, ENERGY, ICT, ENVIRONMENT

## Goal: New and sustainable forms of land transport

Electrification of road & urban transport

Energy efficiency for heavy duty vehicles

Logistics and co-modality

# Double approach for the PPPs

- **Involvement of industry** as a partner to the Commission
- **Quick response needed:** use of existing instruments
  - 7th Framework Programme
  - Dialogue with existing industrial platforms and associations
- **Double approach for implementation:**
  - Fast start with cross-thematic calls for proposals under FP7
  - In parallel, exploration of strategy for the longer term

# Indicative contributions

## FP7 research budget (2010-2013)

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>

# Advantages of a PPP

- **Industry has a leading role** in defining research priorities
- **Ad-hoc Industrial Advisory Group** advises on implementation
- **Multi-annual Roadmap** allows long-term investment plans
- **Pre-defined budget** ensures continuity
- More emphasis on **relevance of industry** and **impact**
- Focused on **enabling industrial technologies**
- Increased use of **SME-friendly** instruments and **demonstration**



## Special features in the PPP calls

- **Involvement of industry** in the preparation
- **Industrial partners** provide added value
- **High share of industrial experts** in the evaluation
- **Single stage** evaluation to **reduce time** to contract
- **Coordinated & Joint** Calls for Proposals
- **Specific PPP Annex** to the WP for higher visibility

but...

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

# Multi-annual Roadmap

- **Strategy document** of the Ad-hoc Industrial Advisory Group
- **Time focused** on the period 2010 to 2013
- **Challenge and target oriented:** leading to the needed impacts
- **Consensus-based** to generate wide stakeholders support
- **Not so extremely detailed** as to define the specific call topics
- **Process concluded for FoF and EeB:**
  - Drafted by AIAG and sub-groups until June 2009;
  - First Open consultation from July to September 2009;
  - New version in October 2010;
  - Second Open consultation in November - December 2009;
  - Final version in January 2010

# Longer-term outlook

- **Continued dialogue under FP7** via the Advisory Groups
- **New articles related to PPPs** in the Commission proposal for revision of the **Financial Regulation**
- **Plans to explore possible new bodies for research PPPs**
- EU ministers recognised the progress of PPPs and gave continued support in the **Competitiveness Council** meeting of May 2010
  - PPPs are crucial to face the Grand Challenges
  - Common framework and clear roles are proposed
  - Long-term stability proposed for the PPPs

# Public-Private Partnerships

## Budget Contributions 2010

(M€)	Green Car	Energy efficient Buildings	Factories of the future	Total
NMP	10	30	60	<b>100</b>
ICT	20	15	35	<b>70</b>
ENERGY	5	15		<b>20</b>
ENVIRONMENT	5	5		<b>10</b>
TRANSPORT	68			<b>68</b>
<b>Total 2010</b>	<b>108</b>	<b>65</b>	<b>95</b>	<b>268</b>

# Results of first FoF Call

- Success rate: **26 %** (25 funded proposals of 98 received)
- Share by Type of Organisation (requested funding):
  - Higher Education: 23%
  - Private for Profit: **54%**
  - Research Org: 22%
- Share of Funding of SMEs (retained proposals): **31 %**
- Proposals involved partners from 25 countries
- First contracts signed in April 2010 (**5 months to first GAs**)
- First projects started on 1st May 2010

# Results of first EeB Call

- Success rate: **28 %** (17 funded proposals of 60 received)
- Share by Type of Organisation (requested funding):
  - Higher Education: 18%
  - Private for Profit: **48%**
  - Research Org: 26%
- Share of Funding of SMEs (retained proposals): **24 %**
- Proposals involved partners from 24 countries
- First contracts signed in May 2010 (**6 months to first GAs**)
- First projects started on 1st June 2010

# Results of first GC Call

- Success rate: **33 %** (31 funded proposals of 94 received)
- Share by Type of Organisation (requested funding):
  - Higher Education: 21%
  - Private for Profit: **54%**
  - Research Org: 22%
- Share of Funding of SMEs (retained proposals): **16 %**
- Proposals involved partners from 24 countries
- First contracts signed in June 2010 (**7 months to first GAs**)
- First projects started on 1st May 2010 (fixed starting date)

# Implementation for 2011

## Calls on the three PPPs in WP 2011:

- Cross-thematic approach for each PPP
- Single-stage evaluation
- **Planned publication: 20 July 2010**
- **Deadline: 2 December 2010**

## Indicative Evaluation and Negotiation timetable:

Evaluation: January 2011

Launch of Negotiations: February-March 2011

First projects begin: June 2011

# Public-Private Partnerships

## Budget Contributions 2011

(M€)	Green Car	Energy efficient Buildings	Factories of the future	Total
NMP	10	40	80	<b>130</b>
ICT	30	20	80	<b>130</b>
ENERGY		20		<b>20</b>
ENVIRONMENT	5.5	5.5		<b>11</b>
TRANSPORT	50.25			<b>50.25</b>
<b>Total 2011</b>	<b>95.75</b>	<b>85.5</b>	<b>160</b>	<b>341.25</b>



# Eligibility in FP7

- **Meeting the deadline**
- **Completeness of Parts A and B of the proposal**
- **Minimum participation for both Collaborative Projects & Coordination Actions:**
  - At least 3 independent legal entities, each of which is established in a Member State or Associated Country and no two of which are established in the same Member State or Associated Country
- **In scope of the Call and topic**
- **Funding limits (in some topics)**

# Maximum Funding Rates

- **Research and technological activities:**
- **up to 50% of eligible costs, except for**
  - Public bodies: up to 75%
  - Secondary and higher education centres: up to 75%
  - Research organisations (non-profit): up to 75%
  - SMEs: up to 75%
- **Demonstration activities: up to 50%**
- **Other activities: up to 100%, e.g. Management**
- **Coordination and support actions: up to 100%**

# Call Topics WP 2011

## Factories of the Future PPP

- **Cross-thematic Call**      **Deadline: 2 December 2010**
- The eco-factory: cleaner and more resource-efficient production in manufacturing – Large, NMP
- Cooperative machines and open architecture control systems – Small, NMP
- Robots for automation of post-production and other auxiliary processes – Small, NMP
- High-tech solutions in the production processes for customised, healthy, green and safe consumer products – SME-targeted, NMP



# Call Topics WP 2011

## Factories of the Future PPP

- **Cross-thematic Call**      **Deadline: 2 December 2010**
- Towards zero-defect manufacturing – Large, NMP
- Manufacturing chains for nano-phased components and coatings – Large, NMP
- Virtual Factories and enterprises – CP (IP and STREP), ICT
- Digital factories: Manufacturing design and product lifecycle management – CP (IP and STREP) and CSA, ICT



# Call Topics WP 2011

## Energy-efficient Buildings PPP

- **Cross-thematic Call**      **Deadline: 2 December 2010**
- Materials for new energy-efficient building components with reduced embodied energy – Large, NMP
- New efficient solutions for energy generation, storage and use related to space heating and domestic water in existing buildings – Large, NMP
- Energy saving technologies for buildings envelope retrofitting – Large, NMP
- Geo-cluster approach to support European energy-efficiency goals – CSA (coordination action), NMP



# Call Topics WP 2011

## Energy-efficient Buildings PPP

- **Cross-thematic Call**      **Deadline: 2 December 2010**
- Technologies for ensuring, monitoring and/or controlling a high quality indoor environment (including comfort, health, safety, accessibility and positive stimulation) in relation to energy-efficient buildings in particular – CP (Small), ENV
- Operational guidance for lifecycle assessment studies of the Energy-efficient buildings initiative – CSA (Support), ENV
- Demonstration of very low energy new buildings – CP with predominant demonstration, ENERGY
- ICT for energy-efficient buildings and spaces of public use – CP (STREP) & CSA, ICT



# Call Topics WP 2011

## Green Cars PPP

- **Cross-thematic Calls**      **Deadline: 2 December 2010**
- Advanced eco-design and manufacturing processes for batteries and electrical components - Large, Joint Call of NMP, SST and ENV
  - Operational guidance for lifecycle assessment studies of the European Green Cars Initiative – CSA (Support), ENV in Joint Call
  - ICT for fully electric vehicles – CP (STREP) & CSA , ICT
  - Specific safety issues of electric vehicles – Small, SST
  - Integrated thermal management - Small, SST
  - Efficient long-distance transport – waste heat recovery – Small, SST

# Call Topics WP 2011

## Green Cars PPP

- **Cross-thematic Calls**      **Deadline: 2 December 2010**
- Urban–interurban shipments – Small, SST
- Integrated intermodal traveller services – Small/SICA, SST
- Efficient long-distance transport – future power train concepts – Large, SST
- Architectures of Light Duty Vehicles for urban freight transport - Small, SST
- E-freight solutions and supply chain management - Small, SST
- Capability of improving and exploiting capacity – CSA, SST
- ERA-Net Plus 'Electromobility' - CSA, SST

# Call Documents

- Work Programme 2011 :
  - Sections for the Themes (NMP, ICT, SST, ENV, ENERGY)
  - Annex 5 – PPP information collected together for high visibility
- Call Fiches
- Guides for Applicants
- EPSS Electronic Proposal Submission System
- All are available to download from the relevant CORDIS Call page <http://cordis.europa.eu/fp7/dc/index.cfm>



# Single-stage evaluation

- Harmonised implementation across all Themes
- Proposals are evaluated with the following 3 criteria:

<b>Criterion</b>	<b>Minimum threshold</b>
S/T quality	3/5
Implementation	3/5
Impact	3/5
<b>Overall</b>	<b>10/15</b>

## 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/)





## Afternoon parallel sessions

- 13.00 – 16.30 : Separate sessions for FoF and EeB PPPs
- 13.30 – 17.00 : Session for the GC PPP

Rooms	FoF	EeB	GC
After lunch	Lord Jenkins – Sicco Mansholt – Jean Durieux	Alcide De Gasperi	Borschette Building
After coffee	Alcide De Gasperi	Lord Jenkins – Sicco Mansholt – Jean Durieux	Borschette Building

- Detailed information on the Call topics (with Q & A)
- Brokerage event (with presentations of ideas)

# Thank you for your attention