PUBLIC-PRIVATE PARTNERSHIPS

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Sustainable and smart growth

- Investment of 3% GDP in Research & Development (R&D).
- Objectives 20/20/20:
  - Cutting energy use by 20% below 2005 levels.
  - 20% reduction of GHG below 1990 emissions.
  - Drawing 20% of energy from renewable.
- 75% employment rate for the population between 20-64.
- School absenteeism <10% young people with higher education ≥40%.
- 20 million people won’t face the risk of falling into poverty.

Innovation and Knowledge Economy
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Answer to the Economic Crisis

Creation of 3 PPPs (2010-2013)

- “Energy Efficient Buildings”
- “Factories of the Future”
- “Green Cars”
Energy Efficient Buildings

Promotion of research and development of new technologies in Materials, Systems and Processes in the area of Energy Efficiency in Buildings.

Main objective
Slash the energy consumption and CO₂ emissions of new and renovated buildings.
Big effort on regulation, standardization and business models.

Estimated funding
EUR 1 billion
Factories of the Future

Promote the use of technology in the Manufacturing processes.

Main objective
Adapt to global competitive pressures in the Manufacturing sector, especially SMEs, through the technological development, improving the technological base of EU manufacturing systems.

Estimated funding
EUR 1.2 billion
Green Cars (Automotive)

Support the development of **new and sustainable forms of road transport**

**Main objective**

Development of sustainable energy sources and improve the safety of road transport.

**Estimated funding**

**EUR 1 billion for R & D + other funding**
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SUMMARY
Ad-hoc Industry Advisory Groups

- Formed by experts representing the value chain (Big Companies, SMEs, Technological Centres and Universities, etc).
- Facilitate the strategic dialogue between the European Commission and the Industry.

Publication of the **Multi-Annual Roadmaps** (2010-2013)

Objectives of each initiative and annual strategic priorities
Multi-Annual Technology Plan

Technological aspects.
Dissemination and exploitation of results.
Training and formation of professionals.
New business models.
Standardization and regulation.

New concept of innovation (Europe 2020)

“Knowledge Triangle”

Research

Education

Innovation

“Innovation Union” Initiative
IMPLEMENTATION (3)

Multi-Annual Technology Plans (2)

### Energy Efficient Buildings
- Energy-efficient refurbishment of existing buildings.
- Neutral / energy-positive new buildings.
- Horizontal technological aspects.
- Horizontal organisational aspects.

### Factories of the Future
- Sustainable manufacturing.
- ICT-enabled intelligent manufacturing.
- High performance manufacturing.
- Exploiting new materials through manufacturing.

### Green Cars
- Electrification of road transport.
- Long distance road transport.
- Logistics and co-modality.
IMPLEMENTATION (4)

Calls

1st Calls: 2010
Publication date: 30 July 2009
Deadline: 3 November 2009

2nd Calls: 2011
Publication date: 20 July 2010
Deadline: 2 December 2010

Estimated budget and total EC contribution

<table>
<thead>
<tr>
<th>Estimated budget 2010 Calls</th>
<th>Final budget 2010 Calls</th>
<th>Estimated budget 2011 Calls</th>
</tr>
</thead>
<tbody>
<tr>
<td>268 M€</td>
<td>268.71 M€</td>
<td>341.25 M€</td>
</tr>
</tbody>
</table>
**CONCLUSIONS (1)**

**Industrial cooperation and interest?**

<table>
<thead>
<tr>
<th></th>
<th>Participations</th>
<th>% Big companies</th>
<th>% SMEs</th>
<th>% funding for big companies (out of the total funding)</th>
<th>% funding for SMEs (out of the total funding)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FP7 (Coop.)</strong></td>
<td>33,533</td>
<td>16</td>
<td>16</td>
<td>16</td>
<td>14</td>
</tr>
<tr>
<td><strong>PPPs (2010)</strong></td>
<td>779</td>
<td>30,5</td>
<td>24</td>
<td>29</td>
<td>19</td>
</tr>
</tbody>
</table>

![Pie chart 1](chart1.png)

- **HES**: 154 (20%)
- **IND**: 150 (19%)
- **IND-SME**: 238 (30.5%)
- **OTHERS**: 185 (24%)
- **PUB**: 10 (1.5%)
- **REC**: 33 (5%)

![Pie chart 2](chart2.png)

- **HES**: 56M€ (21%)
- **IND**: 79,75M€ (29%)
- **IND-SME**: 50M€ (19%)
- **OTHERS**: 16M€ (6%)
- **PUB**: 3M€ (1%)
- **REC**: 64M€ (24%)
**Efficiency**

### Total Time to Grant for FP7 Cooperation and research PPPs

<table>
<thead>
<tr>
<th></th>
<th>Averaged TTG (days)</th>
<th>Minimum TTG (days)</th>
<th>Maximum TTG (ayss)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FP7 (Coop.)</td>
<td>430</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>PPPs (2010)</td>
<td>280</td>
<td>156</td>
<td>388</td>
</tr>
</tbody>
</table>
CONCLUSIONS (3)

Improvements

<table>
<thead>
<tr>
<th>Participation and funding</th>
<th>Governance</th>
</tr>
</thead>
<tbody>
<tr>
<td>▪ Bigger SMEs participation</td>
<td>▪ Formalized Industrial participation.</td>
</tr>
<tr>
<td>▪ More EU-10 participation.</td>
<td>▪ Improved AIAGs representativity.</td>
</tr>
<tr>
<td>▪ Funding level.</td>
<td>▪ Defined EC interlocution.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Procedures</th>
<th>Impact</th>
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<tbody>
<tr>
<td>▪ More efficient procedures.</td>
<td>▪ Focus on commercialisation.</td>
</tr>
<tr>
<td>▪ Inclusion of quality criteria.</td>
<td>▪ Control of ex-post impact.</td>
</tr>
</tbody>
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SUMMARY
Continue and further develop the research PPP initiatives in the CSF and enlarge their scope to a full programme concept

- Mechanisms for monitoring the ongoing projects
- Establishing dissemination actions to maximise the impact
- Continuity and stability of the PPPs

The governance and procedures of the research PPPs should be formalised and made more transparent

- European Commission.
- Industrial associations linked to each PPP.
RECOMMENDATIONS (2)

Recommendation 3

The procedures for administration and management should be more simple and flexible
  • Streamlined administrative structure; unification of bureaucratic procedures.

Recommendation 4

The research PPP Innovation actions should be strengthened with more emphasis on actions for transfer of new concepts to the market
  • Industrial relevancy.

Recommendation 5

Research PPP actions and activities need to focus on strengthening the overall impact and dissemination of the project results
  • Bigger participation of Industrial Associations and Technology Platforms
The future of the PPPs depends on the commitment between public and private sectors and requires stability and long-term investment.

**Key role of PPPs:**
- Improving the competitiveness of European industry
- Contribute to the achievement of social and environmental challenges
- Boost the EU to the position of global leadership