European Green Cars Initiative PPP
Impact and Future Outlook

Dr. Gereon Meyer
VDI|VDE Innovation + Technik GmbH
EPoSS Office
Panelists

• Ewelina Daniel  
  DG Enterprise and Industry

• Wolfgang Steiger  
  Volkswagen / Chairman Industrial Advisory Group / ERTRAC

• Pietro Perlo  
  Interactive Fully Electric Vehicles

• Juan Jose Febles  
  European Investment Bank

Chair:  
Alessandro Damiani & Frederic Sgarbi  
DG Research and Innovation
Impact of the EGCI PPP

• PPP started “by accident” in the economic crisis of 2008
• lean, fast and efficient instrument for the funding of research, development and innovation on sustainable mobility
• Industrial Advisory Group, representing the European Technology Platforms ERTRAC, EPoSS, SmartGrids established
• multiannual Roadmaps presented on all technology pillars:
  • electrification
  • heavy duty vehicles
  • logistics and co-modality
• advice for the annual FP7 Calls for Proposals since 2009
• open and transparent stakeholder consultation process
• multitude of workshops organized on specific topics
• supported by two CSAs, ICT4FEV and CAPIRE
Impact of the EGCI PPP

• more than **70 collaborative projects started** addressing all technology fields of the roadmaps

<table>
<thead>
<tr>
<th>Technology field</th>
<th># Projects</th>
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<tbody>
<tr>
<td>Electrification</td>
<td>60</td>
</tr>
<tr>
<td>Headv Duty Vehicles based on ICE</td>
<td>2</td>
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<tr>
<td>Logistics &amp; Comodality</td>
<td>8</td>
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</tbody>
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• **EIB: European Clean Transport Facility:**
  total lending 7,6 bn (automotive sector, during crisis)
  more after 2009

• **Cars21 Report:** R&D **focus on EV** in line with identified technology gap; **successful tool** for financing automotive R&D
Further Evolvement

- EGCI has to evolve towards needs of **Horizon 2020** covering
  - Smart, Green, and Integrated Transport System (focus)
  - Key Enabling Technologies
  - Smart, Clean and Efficient Energy

- Proposed objective: **Energy Efficiency of Vehicles & Alternative Powertrains** (mainly electrification)

- New Name: **European Green Vehicles Initiative**

- Consider all **product layers** (modules, systems, vehicles) whole process chain: R&D to demo, testing, pilots, open standards..

- New **financial mechanisms** may be needed to start production
Future Topics

- Multi-annual implementation plan to be presented and discussed with stakeholders in early fall 2012
- Impacts (towards EU policy targets) and industry commitments
- Reference: SRAs and Roadmaps of ERTRAC, EPoSS, SmartGrids, e.g. Electrification
Future Topics

• Electric Vehicle technology **not yet mature**
• Focus on breakthrough technologies:
  • **synergies** (also with other technologies) and **simplicity**
  • **novel architectures**
  • **weight reduction**
    (all cars <1000 km range will be EV)
  • **gains of production efficiency**
    (200 Wh/kg before 2020)
  • **charging comfort technologies**
• Cars21 Recommendations: public support should reflect the importance of the sector; **continuation of PPP recommended**
• Outlook: **Roadmap targets** (distinguish between vehicle types, safety criteria, energy consumption)
Future Actors

- Legal entity for **contractual PPP European Green Vehicles Initiative** to be established (EGVI Association)
- Providing transparency and broadening the **involvement of stakeholders**
- Links to **other parts of Horizon 2020 and other instruments**
- Create better communication of assessments by the EGCI PPP with **member states**
- Role of **regions** and **clusters** implementing electro mobility
- Emphasize the role of **monitoring** and clustering of **project** as an **internal review function**
- **External audit** for comparison with PPP targets may be needed
- **Cooperate with international partners**, e.g. standardization
- **CARS 2020 Group** regularly monitoring results of CARS21 results
- **Future EIB loans**, in line with EU funding