

European funding opportunities for electromobility

Workshop ‘NL meets NRW’

Duesseldorf, 18 April 2012

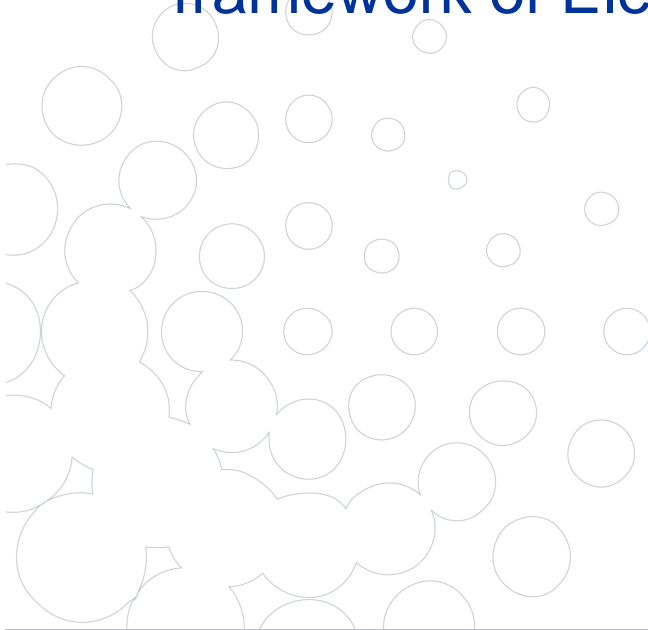
Alexander Spieshöfer – NCP Germany

Erik van de Burgwal – NCP The Netherlands

Content

Electromobility+

- Seventh Framework Programme
- Eurostars
- Examples for Dutch – German research projects in the framework of Electromobility



Seventh Framework Programme *Electromobility+*

Best researchers in Europe and attract toptalent



Ideas



7,5 billion
individual
grants

Carreer development for researchers



People



4,7 billion
individual
grants

Collaborative projects for research,
development and innovation



Cooperation



32 billion
subsidies to
projects

Increase and make optimal use of
European research capacity



Capacities



4,3 billion
subsidies to
projects

Cooperation

Electromobility+

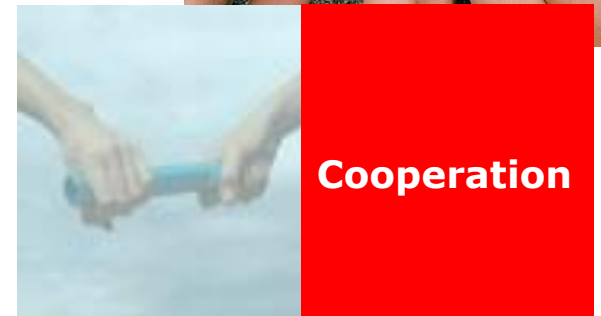
Main part of FP7 (32 billion euro)

Applied research, demonstration

Academia-Industry

International dimension

Top down programme



Cooperation

Electromobility+

- **Top down approach**
 - Theme → Areas → Topics

- Requirements for:

- project size
- composition consortium
- project content

- Requirements found in annual **Workprogrammes**



Electromobility in FP7

Electromobility+



- One of the three Public Private Partnerships (PPP) of the EC Recovery Plan announced in 2008
- 500 million Euros, implemented through FP7 themes Transport, ICT, NMP and Energy

Roadmaps:

- Electrification of Road Transport
- Long Distance Truck
- Logistics and Co-modality

www.green-cars-initiative.eu



Electromobility in FP7 calls 2013 ^{Electromobility+}

Indicative topics

- On-road charging
- Electric motors
- Urban electric vehicles
- Demonstration of electric buses
- System architecture for EV's
- Energy management
- Materials for batteries

Publication of calls: July 2012

Deadline for submission of proposals: November 2012

Budget: ~90 million Euros

FP7 sources of information

Calls: Research Participants Portal

<http://ec.europa.eu/research/participants/portal/page/home>

General information, running projects, events, ect.: **Cordis**

http://cordis.europa.eu/home_en.html

National Contact Points

Eurostars



- Focus on high-tech SMEs
 - Small consortia, close to market
 - Bottom-up programme → freedom of technology area
 - National funds + top-up from EC
 - New call anticipated later this year, deadline in autumn
-
- <http://www.eurostars-eureka.eu/>

Electromobility+

**Examples for Dutch – German research projects
in the framework of Electromobility**

Process

- **15th December 2010**
 - Launch of the call
- **31st March 2011**
 - Submission deadline
 - 40 proposals submitted
- **1st January-15th April 2012**
 - Start E+ RTI projects (up to 20 projects)

Objectives of the project:

- Development of a model to generate charging patterns for various penetrations of electrical vehicles.
- Development of algorithms to optimize the charging pattern
- Development of an approach to judge the adequacy of electricity distribution grids
- Implementation of the results in network planning tools

Project Partner: Enexis, TU/e and RWTH Aachen

Funding: 650.000 Euro

Objectives of the project:

- Extend the grid simulation tools of the project partners to study the grid impact of EVs on all voltage levels
- Build a cooperative framework for integration of the simulation tools, to simulate and optimize both network and market aspects of EV deployment
- Gets results from the developed simulation framework about the grid impact of large-scale EV deployment

Project Partner: KEMA NL, Fraunhofer ISE and partner from DK

Funding: 1.000.000 Euro

ERA-NET Transport III (1)

Electromobility+

- **Enlarged network of countries and regions**
 - 29 partners from 23 countries / regions
 - Coordination: Netherlands Agency
- **Increased transnational call budgets**
 - Flagship initiatives: Periodic, +/- 10 million EURO
 - Number of small and medium-sized cooperation activities
- **Broadened scope and funding possibilities**
 - Transport, energy + environmental programmes
 - Exploring the possibilities for structural and cohesion funding

ERA-NET Transport III (2)

Electromobility+

- **ENT flagship calls**

- Potential opening in 2012:

- Traveller of the Future
 - Vehicle Technology

- Potential opening in 2013 or 2014:

- Vehicle Technology
 - Logistics and Intermodal Freight Transport
 - Alternative Fuels
 - Electromobility2
 - Road Safety
 - Railways

- **ENT small - medium sized call**

- Impact of transport infrastructure on ecosystems, biodiversity and landscape
 - Any of the above mentioned topics can be implemented as small and medium sized calls

Contacts

Alexander Spieshöfer
TÜV Rheinland Consulting GmbH
Alexander.Spieshoefer@de.tuv.com
T +49 221 806-4153

Erik van de Burgwal
Agentschap NL
Erik.vandeburgwal@agentschapnl.nl
T +31 88 602 5122