



European Regions and Municipalities  
Partnership on Hydrogen and Fuel Cells

## Broadening HyRaMP to electromobility: Main concept

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# Goals

1. Co-operation between EU Commission, National governments, Regions and Municipalities to stimulate the deployment of electromobility and the development of a recharging and hydrogen infrastructure ensuring a low impact on and efficient use of (where possible) local energy resources especially renewable energy;
2. Sharing and communication of good practice and optimization, benchmark data on policies (national/local incentives and regulations), business models and management approaches as well as the operation of vehicles and infrastructure;
3. Initiate active collaboration between public bodies, industries, utility companies and knowledge institutes;
4. Creation of growing common awareness on the positive effects on climate protection and sustainable development;
5. Contribution of recommendations to the European Commission regarding commercialization, including incentive schemes and other policy measures.



# Guiding Principles



**The Partnership's activities will cover electromobility, the required recharging and hydrogen infrastructure for batteries and fuel cell vehicles and their impact on local energy systems, especially with regards to renewable sources and will abide to the following principles:**

- **Create synergies** between national, regional and local programmes and policies;
- Help Regions and Municipalities to **align and integrate their strategic priorities**, approaches and objectives towards sustainable energy within a low carbon society;
- **Collect experiences that feed into the European agenda** and definition of priorities;
- **Increase the impact of the Regions and Municipalities efforts** by identifying, coordinating and bundling relevant activities across the different Regions and Municipalities in Europe;
- **Provide a fertile environment for state-of-the-art research and demonstration projects** in Europe that enable innovation, and enhance trials and deployment;
- **Encourage public acceptance at European level** by identifying and planning measures to raise the awareness in the EU context and actively engaging key stakeholders.

## General Activities

1. Cooperation
2. Standardization
3. Communication
4. Data and Monitoring

## General Activities: Cooperation

1. Working with EU programmes and public and private sector members to facilitate regional and local developments and establish attractive growing markets;
2. Coordinating funds provided by the European Regions and Municipalities for R&D and Demonstration activities;
3. Actively facilitating development and deployment through information brokerage, clustering and benchmarking of relevant projects at European level, generating critical masses for production and distribution, leading to reduced unit costs;
4. Fostering activities in a coherent, effective and efficient manner and liaising effectively with the relevant industries and SMEs, to establish R&D activities that attract appropriate public and private funding and engage more Regions and Municipalities to join the Partnership's activities.
5. Facilitating deployment of joint "green", sustainable public procurement strategies, i.e. for early market applications. Among the activities will also be information exchange in preparation of public procurement activities (i.e. workshops);

## General Activities: Standardisation

- The Partnership will work together with relevant EU Working Groups on Codes and Standards bodies to allow for a smooth integration and consolidation of technical standards as well as common authorisation procedures. More specifically the Partnership will work on:
- Harmonization of regulations for authorization and permitting of vehicles and infrastructure across Europe by facilitating the planning & the permitting processes to boost the uptake of new technologies across Europe;
- Support industry with the homologation of applications and infrastructure by providing experiences from local demonstration projects.



## General Activities: Promotion

1. Development of a comprehensive and ambitious Communication and Public Engagement Plan that involves first user groups and key decision makers;
2. Close alignment with relevant EU transport and energy communication portals, i.e Clean Vehicle Portal, Managenergy, SETIS, the Covenant of Mayors, CoR;
3. Establishment of liaisons with non-European initiatives in view of promoting and exchanging best practices, knowledge and business opportunities;
4. Representation at key annual EU events (EU SET Plan Conference, EU Sustainable Energy Week, Open Days, FCH JU SGA, main industry events, etc).



## General Activities: Data and Monitoring

- Local patterns in build-up of recharging facilities in residential or business districts;
- New urban and inter-city transport developments and concepts;
- General user data;
- Optimum number of cars in relation to local transport patterns;
- Successful joint procurement procedures;
- Impact of the use of different transport technologies on energy requirements.



Note: European-wide monitoring structure will be set up, in collaboration with member regions using existing networks, ensuring consistent updates on activities and regular exchange of experiences and best practice.



# Action Plan 2011



1. Identify the relevant players in both technologies in Europe and communicate objectives and concept of the new Partnership as pan European network;
2. Define, in collaboration with the European Commission, the Partnership's role with regards to relevant EU initiatives;
3. Define a Multi Annual Work Plan, harmonizing Regional and Municipal activities and funds to create larger and more effective cross regional plans and projects;
4. Initiate the collaboration of European regions and municipalities to develop them into attractive rapidly growing markets;
5. Start collection of information from parallel projects in Europe in order to set up a benchmark- system for economic and environmental evaluations;
6. Exchange knowledge on promotion and adoption.

## Organisation

- The current HyRaMP organisation consists of an Executive Board of 9 members, elected in October 2010 and serving a two year term till the end of 2012. (see Annex 1 for current Board positions), the Annual General Assembly and the Brussels office .
- New Board positions might have to be created to cover such as:
  - a) Charging infrastructure and impact on energy supply systems,
  - b) Components for electric mobility, especially batteries and
  - c) Policies and incentives.

*NB A potential (observer) role of the Commission in the Board should be discussed as well.*



## Current Board: please stand

1. Sustainable Hydrogen Production, Adwin Martens, Flandres Regions
2. Hydrogen Refuelling Infrastructure Development, Kit Malthouse, Greater London Authority
3. Deployment of Transport Applications, Heinrich Klingenberg, Hamburg
4. Stationary System Deployment, Davide Damosso (vice president), Piemont
5. Early Market Development, Javier Navarro (vice president), Aragon
6. Project Development Strategies/Treasurer, Sven Wolf, Swedish Regions
7. Education, Public Awareness and Employment, Jean Marc Pastor, Midi Pyrénées
8. Cooperation with EU Policy Institutions, Andreas Ziolek (president) North Rhine -Westphalia
9. Relations with relevant EU Organisations and Networks, Silvana di Matteo. Lombardia



## Issues to discuss

1. Name of the Partnership: (online vote?)
2. Agreement on Goals (boiler plate), Principle and General Activities, Action Plan 2011
3. Immediate action with regards to upcoming EU developments (STTP, Smart Cities consultation, Cars 21 working groups) and EU Calls calls (TEN T, FP 7);
4. Organisational structure: new Board, and enforced Brussels office to finalize by end 2011
5. Presentation at launch Green eMotion project March 16, from 12:00 - 13:00
6. Ceremony to announce new activities, proposal March 16, 13:30 - 15:30, Palais des Academies, Rue Ducale 1, Brussels, with participation of EU officials
7. Upcoming Promotional Opportunities:
  - **Hanover Fair 4-7 April** (FC H2 Group Exhibit and electro mobility Fair as adjacent we reserved space bordering both fairs with EHA /DWV)
  - **EUSEW 9-12 April** : HyRaMP has a fuel cell bus as venue for EUSEW seminars
  - **FCH JU Stakeholders General Meeting** November 22, 2011

## HyRaMP Contact



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# What next ?

- Formal requirements
- Timing
- Name (HyE RaMP)