



Minutes of Meeting

EU Electromobility Stakeholder Forum

24/25.6.2013

Written by: Conor O' Brien

Location: Palais de Academies, Brussels,
Belgium

162 people in attendance over 2 days

Presentations are available on the Green eMotion stakeholder sharepoint site
You must be a stakeholder forum member to have access to the GeM sharepoint site - To get access, contact:
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Meeting Topic: The forum meeting was organised with the intention of giving an overview of all work packages in the Green eMotion project while also introducing topics and areas that will be covered over the duration of the FREVUE Project.

Day 1 – 24th June 2013

	Topic
	<p>Introduction and welcome:</p> <p>The event was opened with a welcome address from Hugues van Honacker – Policy Officer for both projects, Heike Barlag – Project Co-ordinator Green eMotion and Matthew Noone – Project Co-ordinator FREVUE.</p>
	<p>House Keeping - Conor O' Brien, ESB ecars</p>
	<p>General update on Green eMotion - Dr. Heike Barlag – GeM Project Co-ordinator</p> <p>She gave an overview of the work being done within the project and spoke about how standardisation is the key to interoperability. Spoke about how eMI3 has been initiated to focus on ICT Interfaces.</p> <p>She then went on to give an update on the fact that the Green eMotion Marketplace is now up and running with an open platform.</p> <p>She spoke of the need to look at hurdles and lessons learned regarding Policy and regulation.</p> <p>How the Business Models for the EV industry need to include the complete system like generation, transmission and distribution.</p>



Minutes of Meeting

	<p>Over view of FREVUE Project - Matthew Noone – Project Co-ordinator FREVUE</p> <p>Mr. Noone spoke about what will be happening as part of the FREVUE Project and that it will look at urban freight up to 18 tonne vehicles He went through the municipalities that are involved in the project which included: Amsterdam/Rotterdam, Lisbon, London, Madrid, Milan, Oslo and Stockholm and spoke about their potential regarding electric freight The Market is potentially gigantic, it just isn't very active yet</p>
	<p>Words from the Co-Chair - Carlo Mol, Programme Officer, Flemish Living Labs, Electric Vehicles</p> <p>He went over the negative and positive quotes in the press regarding EVs in the last 6 months. EU Directive has given a boost to the industry, new solutions are being developed, For mass adoption he feels that the European marketplace has to be easy for consumers to charge their car or rent a car etc.</p>
	<p>eMI3 - progress in international EV ICT interoperability standards, Silvio Weeren, IBM</p> <p>eMI3 Joined with ERTICO this year. There are currently 42 signees including MOBI.EUROPE who signed recently. He outlined the organisation and technological roadmap for the group and stressed the importance of the rest of the world being involved and the need to share use cases and standards widely.</p>
	<p>Relevant standards for the deployment of electromobility - Luis de Prada, CIDAUT</p> <p>He gave an overview of existing standards and talked about how the communication area seems to be the most open and that included communications via the charge point as well as to the grid. Security and privacy rules are different in each country which makes it hard to find a common methodology. He talked about how there is a need to select use cases to implement in demonstration regions, for example roaming, smart charging and a charge point reservation system</p>



Minutes of Meeting

	<p>Bridging electro-mobility initiatives - Joao Caetano, Mobi: Europe Co-ordinator</p> <p>He gave an overview of the Mobi: Europe project and looked at similar projects and how they needed to come together to share information and data in order to progress electromobility. He discussed how fragmentation is a problem if projects don't communicate, he proffered that a way to solve this is Integration via interoperability. He asked after 100 years of failed electromobility, why will it work now? His proposed that smart charging and connectivity would enable it. He also gave an overview of the structure of the Mobi: Europe project.</p>
	<p>“The Olympus Mobility Hub: national gateway for networked mobility services” - Mr Koen Van De Putte, Director of the Change Office of SNCB – holding National railway operator</p> <p>The presentation gave an overview of the Olympus platform which involves car sharing, bike sharing & infrabel (Belgian rail) There is a long term vision with the aim of a cloud of mobility services with the end user as a director of their own mobility. The Marketplace will have many services whether they are electrical or not. It is similar to what others are doing except it is more focused on public transport.</p>
	<p>European Electromobility Observatory EEO Workshop "Want to be in charge? Business cases for recharging infrastructure." EEO consortium: HyER, TNO, ECN, VUB, AVERE, TÜV Nord, Polis</p>



Minutes of Meeting

	Day 2 – 25th June 2013
	WorkShop A The Green eMotion Marketplace: What is it and how can external stakeholders can maximise it? -Volker Fricke – IBM The presentation was in two sessions: Session 1: This session dealt with stakeholder business analysis, requirements & specification, ICT Reference Architecture and first release of GeM Marketplace. Session 2: Looked at how European Demo Regions are already using the GeM Marketplace and how external stakeholder and demo regions can leverage it to demonstrate interoperability of EV Services across Europe.
	Workshop B Discussion on Green eMotion findings on challenges and hurdles for electromobility - Ian Winning, Cork city & Marcel Weeda, ECN This workshop looked at policy challenges in relation to electromobility. It looked at the potential impact of the latest EU directive on EV charging infrastructure. Where are the most successful EV policies being implemented at present? What is the underlying framework that supports the implementation of the most successful EV policies? What interventions are needed to initiate a successful adoption of a particular policy at European, national or regional level?
	Workshop C Electric Vehicles how they work, what should we know, EV testing methodologies and procedures explained!- Bart Benders, fka This workshop gave an overview of how an electric car works and how the electricity flows through the car, regenerative braking, How fka test vehicles, what they have found and how they compare with the NEDC rating.



Minutes of Meeting

	<p>Workshop D</p> <p>Electromobility standards: what is still open. Silvio Weeren, IBM & Luis de Prada, Cidaut</p> <p>This workshop looked at standards in:</p> <p>Infrastructure - Harmonising interfaces and communication</p> <p>ICT Communication - Identification, safety, security and protocols</p> <p>Load management and Smart Grids Communication, safety, battery impact, payment, telematics – communications V2X</p> <p>This workshop looked at standards in electromobility and particularly the lack of standards in smart charging – vehicle to the grid and how connectivity through 3G doesn't seem to be possible at an EU level because of a lack of network/connectivity in some regions. Regarding data security and privacy, it is a very complicated issue, there are different national laws involved Lack of standards on smartmeters, charging infrastructure needs, backup systems and the possible use of batteries.</p>
	<p>Workshop E</p> <p>Business models to position EU industry in the front line of electromobility services. - Dr. Eduardo Zabala, Tecnalia</p> <p>This workshop looked at the methodologies that were used as part of the research into Business Models in the GeM Project. The variables in the supply chain that were taken into account when looking at the Business Models such as EVSE, EVSP, DSO, EV User etc. and also the calculation tool used.</p>

Minutes of Meeting

	<p>Workshop F</p> <p>How to deal with EV impact on distribution grids. – Jan Rasmussen, Danish Energy Association</p> <p>This workshop opened up the discussion of what needs to be done in order to deal with a large number of EVs being connected to the grid through:</p> <ul style="list-style-type: none"> • The body of knowledge (analysis of business strategies, charge management strategies), EV impact assessment (AC & DC charging tested, smart charging tests.) • Recommendations outlined to: (OEM for EV embedded hardware and Regulatory bodies) • Power Quality Assessment: in relation to present and future power supplies • Tool Kit: Development of tool kit for assessing the impact of EVs on distribution network costs. • Grid impact assessment: Parameters and scenarios for assessing reinforcement costs, functional specification for future distribution network planning tools
	<p>Panel Discussion: If e-mobility is the solution, what is the question?</p> <p>Matthew Noone , Moderator Jonas Ericsson, City of Stockholm Peter Harris, UPS Jan Cortvriend, DG Env Iarla Kilbane-Dawe – Air Quality Consultant</p>
	<p>EVs in city logistics, experience and challenges (FREVIEW state of the art review) – Nina Nesterova</p> <p>Overview of what areas within urban freight transport will be looked at as part of the as part of the FREVIEW project.</p>

Minutes of Meeting

	<p>Key facts and analysis on driving and charge patterns. – Cristina Corchero, IREC & John Brady, Trinity College Dublin</p> <p>The presentation gave an overview of the processes used as well as the key findings from data collected from thousands of EVs as part of Green eMotion. They also went through what was necessary for external demonstration sites to become involved.</p>
	<p>Green eMotion Showcase:</p> <p>Demonstrating smart grid e-mobility challenges in Barcelona and Malaga. - Narcis Vidal, Endesa</p> <p>Overview of what is being done as part of the GeM project in the Malaga and Barcelona demonstration regions including</p> <ul style="list-style-type: none"> • Load management • Fast charging with second life battery • Market Place Services • Grid impact on high penetration local area by EVs • Smart grid new functionalities
	<p>Ireland – Rolling out EV charging infrastructure on a national basis – Senan McGrath, ESB</p> <p>Explained the ecar Ireland project, the current status and how they got to current stage of the programme</p> <ul style="list-style-type: none"> • Types of charging being used • What was taken into consideration when planning the roll out • Electricity and earthing systems • Outlined the criteria for the type of charge points • Location of EV buyers in Ireland • Smart home charging project in Ireland
	<p>Closing Remarks – Dr. Heike Barlag & Matthew Noone</p>