



**Minutes of Meeting:  
Green eMotion (GeM) , External Stakeholder Forum, Ehningen,  
Germany.  
27 & 28 November 2012**

The forum was hosted over two days by IBM Germany, the themes for the event were the market place and ICT. There were over 100 delegates in attendance. The first day consisted of plenary sessions up to lunch time followed by work shops in the afternoon. There were 3 work shops in total, with one being repeated allowing delegates the chance to choose between one of two. Dr, Ebrahim Mirshamsi moderated the first day and the Co-Chair Carlo Mol from Flemish Living Lab moderated the second day.

**Day 1**

**27 November 2012 - Moderated by Dr. Ebrahim Mirshamsi**

Welcome address and plenary session 1

**Gerhard Baum:**

Welcomed everybody and stressed the importance of Green eMotion to IBM. He emphasised the need for the marketplace to reduce costs and to make usage seamless and said that ICT remained a challenge for the overall roll out of electric vehicle charging infrastructure.

**Dr. Ebrahim Mirshamsi**

He went through the house keeping for the day and he explained the option to choose work shops.

**Dr. Heike Barlag – Green eMotion Co-ordinator**

Discussed the over all status of the project. She pointed to interoperability, standards and ICT as important issues that were being addressed by GeM. She went on to say that accessing the deliverables such as D 2.1 & D 4.1 was an important means by which external stakeholders could get knowledge from the project and that these deliverables could be accessed from the Green eMotion website.

**Carlo Mol – Flemish Living Lab – Electric Vehicles**

Introduced himself and then gave a brief overview of his company. He then went on to say that he believes that collaboration and mutual interaction between external stakeholders and partners are necessary for the success of electromobility. He recommended increasing interaction by using the GeM intranet more.



## **Silvio Weeren - IBM**

Silvio is also the chair of the interest group which has 25 + 3 partners. The name used for the group is "eMi3" which stands for eMobility ICT Interoperability Interest Group. It is an open initiative and he welcomed new partners to join. He believed that the membership of the group covered 80% of the charge points in Europe. He presented the future road map and milestones of the group to those in attendance.

## **Session 2**

### **Luis Reis – Mobi.E Project Portugal**

Gave an overview of the fully interoperable network which Portugal has since 2010, there are over 1300 charge points and 50 fast charge points, To date there are 400 users and 8000 transactions. They have 3 active retailers and and 3 active operatives. Thus far the project has been government funded with the plan to go to the open market in 2013. The themes of integrated and interoperable applications for smart charging started in Mobi.E Portugal are being continued in Mobi.E Europe which started in January 2012. seven countries are involved with the project, Germany, Netherlands, Ireland, Belgium, Luxemburg, Austria and Portugal.

### **Christian Pestel – Smart Lab**

Presented on the e-Clearing house which he suggested was the first operational one in Europe. He talked about interoperable cross border charging as a means to reduce range anxiety. He also spoke about the "Treaty of Vaals" which is an international roaming agreement. He also presented a road map for a European Clearing House System (eCHS) containing three phases: Proof of concepts, enhancements and commercial.

### **Detlef Schumann – IBM and WP3 Leader**

Explained the overall goals of Green eMotion and particularly the market place. Explained again that all the deliverables were available on the Green eMotion website. Detlef believes that ICT is a major driver within the project, he said the goal of ICT is to evaluate the existing models and integrate the best practices, develop missing components, validate and standardise interfaces.



**Afternoon session was workshop A & B which ran in parallel**

**Workshop A was subdivided into 3 parts and discussed the following topics**

**A1 - Volker Fricke - IBM.**

Interoperable ICT Reference Architecture for GeM Marketplace

**A2 - Andreas Herdt - IBM**

Live Session - Development Status of the GeM Marketplace

**A3 - Developer Session**

How to develop/deploy and use EV Services of the GeM Marketplace?

**Workshop B was subdivided in 4 parts and discussed the following topics:**

**B1 - Iva Gianinoni - RSE.**

Update on the results from the Green eMotion WP7 activities on harmonization of technology and standards

**B2 - Gilles Bernard - ERDF**

Present state of work of Ad Hoc group on "Smart Charge of Electric Vehicles" within CEN-CENELEC mandate M468

**B3 - Ovidiu Vermesan - SINTEF ICT**

The vision of the Internet of Energy Project on standardisation of an embedded system for eMobility

**B4 - Silvio Weeren - IBM.**

Objectives of the eMobility ICT Interoperability Interest Group and link with Green eMotion WP7

**Workshop C** was a repeat of workshop A with the addition of a presentation from Patrick Crome from EDF who discuss Crome and cross border mobility with EVs.

**Workshop D - Manel Sanmarti and Cristina Corchero - IREC**

Value from European Electromobility Experiences: Green eMotion Data Sharing



## **Day 2 Moderated by Carlo Mol – Flemish Living Labs**

**28 November 2012**

### **Session 1**

#### **Holger Braess – BMW**

Asked what Green eMotion can deliver and what it cannot, and spoke of the need to prepare for mass market ramp up. He discussed the issue of interoperability and showed the AC and DC plugs available including COMBO2 and CHAdeMo. He commented that with 3 plugs (1 AC, 2 DC) all current and future EVs can be charged in Europe. He also suggested that a Smartphone App solution seems promising while different RFID standards seem to be an obstacle for interoperability.

#### **Monique Hesseling - Zurich Insurance Group**

She discussed the EV industries view on electromobility and claimed that Zurich is the only insurer with a global electric vehicle insurance initiative. She provided a comprehensive list of advantages and disadvantages of insuring an electric car from the viewpoint of insurance companies. She believes that overall the advantage of insuring electric cars over conventional internal combustion engine vehicles outweighs the disadvantages.

#### **Tobi Babalola - UK Power Networks.**

Toby discussed the UK energy policy and CO2 plan. UK energy policy requires 14% CO2 reduction from the transport sector by 2020. He then went on to present a case study on the impact of EVs on distribution networks with and without smart charging. He also discussed powerIN eVMotion and the fact that Low Carbon London considered a learning journey to create a smart low carbon city

#### **Arnaud Cuisson - CNR Move in Pure**

CNR are the second biggest supplier of electricity in France and the no. 1 supplier of renewable energy. He discussed the Move in Pure which is CNR's smart recharging concept for EVs. Arnaud discussed the benefit of smart EV charging with respect to renewable intermittency and grid imbalances. They are doing small-scale experimentation with 40 charging points.



## Session 2

### **Jonas Fluhr - Future Internet for Smart Energy (FINSENY)**

Jonas described the vision and the mission of the FINSENY project and their plan to demonstrate by 2015, how open Future Internet can enable the European energy system to combine adaptive intelligence with reliability and cost-efficiency to meet, sustainably, the demands of an increasingly complex and dynamic energy landscape. He presented 5 energy scenarios as Smart Buildings, Micro Grid, Electronics Market Place for Energy, Distribution Networks and Electric Vehicles.

### **Dr. Norbert Vierheilig - Siemens and GeM WP10 leader**

Spoke about what happens with the results and achievements of GeM when the project has finished. He said that partners of Green eMotion plan to found an association with the purpose of promoting the adoption of e-mobility throughout Europe to ensure the sustainability of the project activities even after the project's end. He described the aim for task 10.7 which is to ensure that the expertise/knowledge will be available to all eMobility players in Europe so as to enable mass market adoption, and further improve eMobility technologies and services after the project ends.

### **Senan McGrath - ESB ecars**

Discussed Interoperability and Green eMotion efforts to promote it. He described a number of aspects that needs to be considered for interoperability, these include hardware, charge points, ID format, bilateral agreement and political willingness. He described operators' situation in a number of European countries and the interoperability activity that was taking place within these countries. He also spoke about a number of EU funded electromobility and ICT projects.

### **Dr. Heike Barlag – Green eMotion Co-ordinator**

Provided the closing remarks and gave an overview of what was spoken about over the two days.

### **Dr. Ebrahim Mirshamsi**

He thanked the audience and the organiser and revealed the time and date for the next Forum which will take place on 24 & 25 of June 2013 in Brussels.

### **End of the event**