

Green eMotion

Development of the European Framework for Electromobility

FP7 call TRANSPORT – 2010

43 partners

Project Start: March 2011

Malmö, November 20, 2012

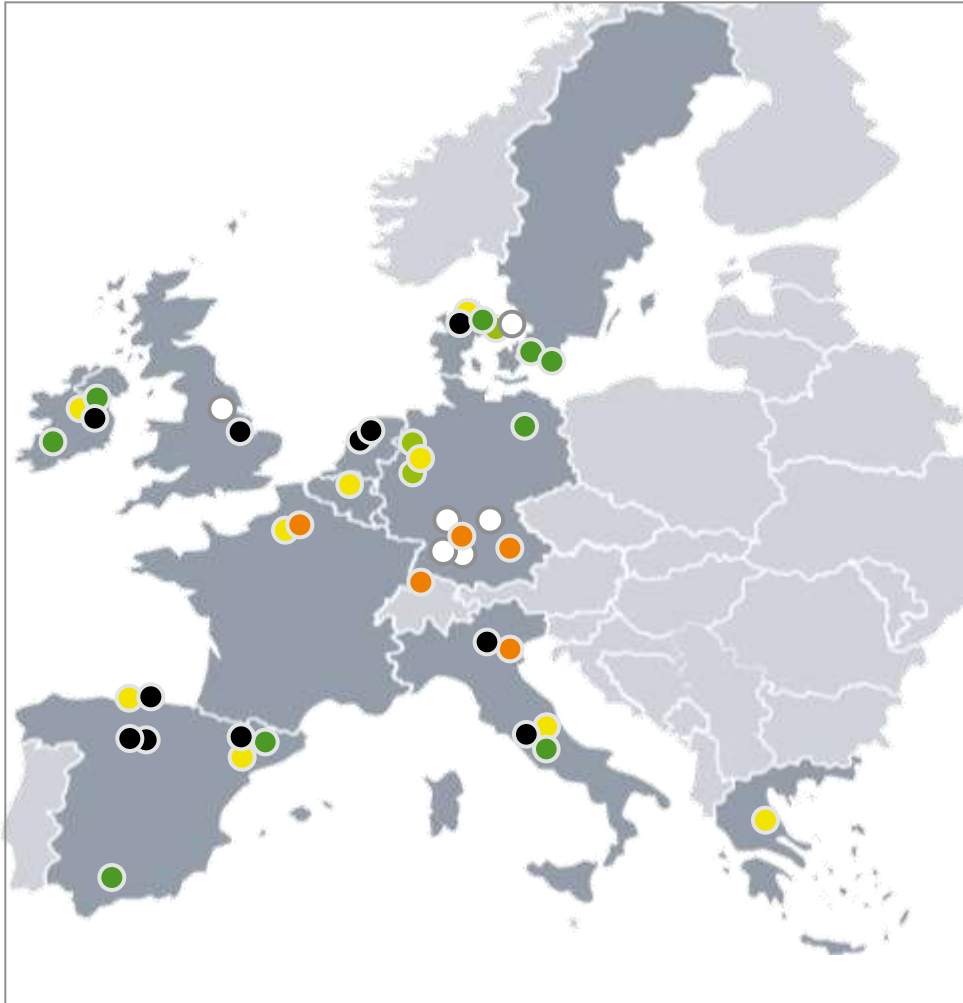
Speaker: Marcus Ljungqvist
City of Malmö



Will I be able to charge my eCar anywhere in Europe?



takes care that you will be e-mobile throughout Europe



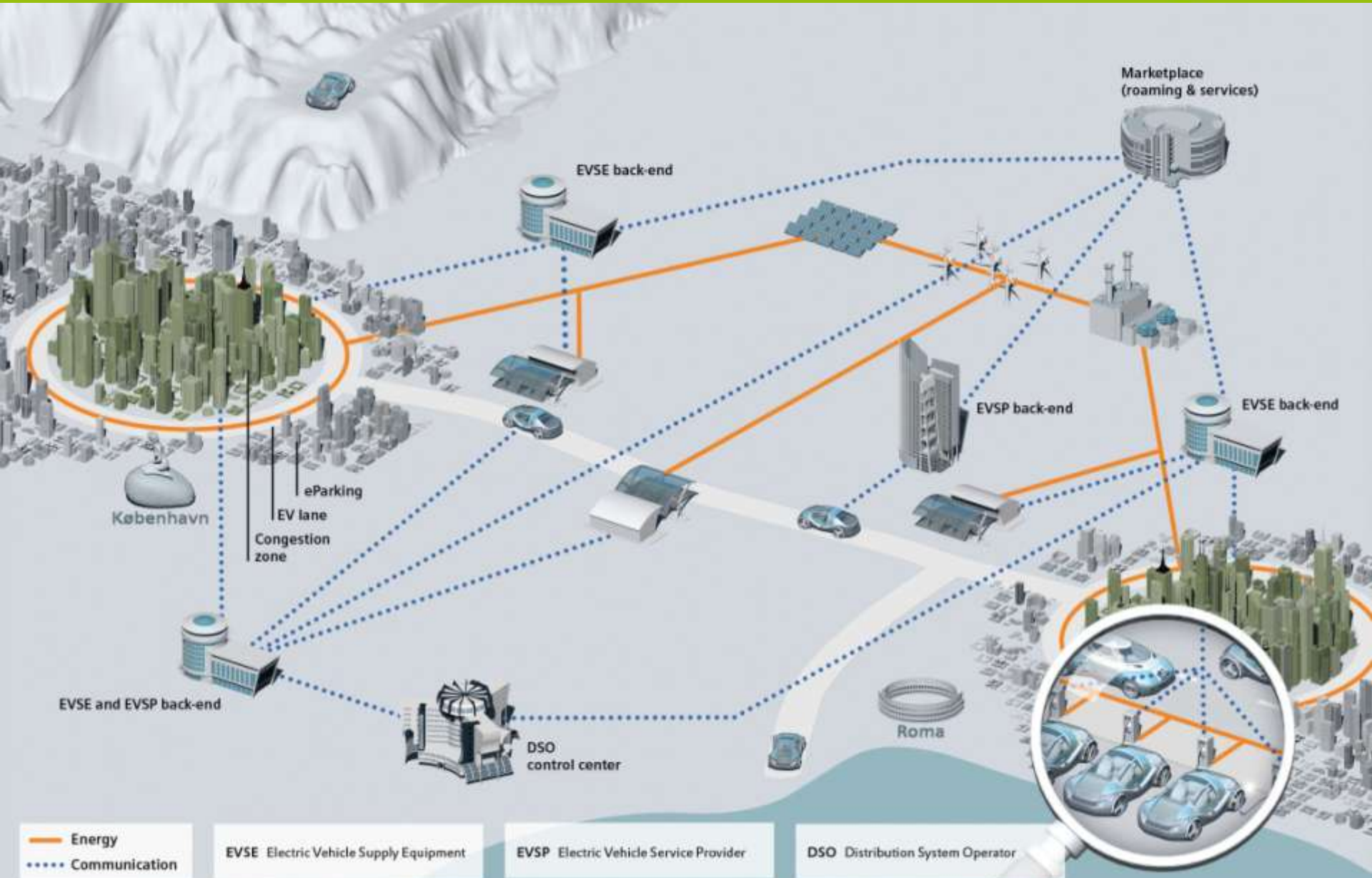
- **Industries:**
Alstom, Better Place, Bosch, IBM, SAP, Siemens (Project Coordinator)
- **Utilities:**
Danish Energy Association, EDF, Endesa, Enel, ESB, Eurelectric, Iberdrola, RWE, PPC
- **Electric Vehicle Manufacturers:**
BMW, Daimler, Micro-Vett, Nissan, Renault
- **Municipalities:**
Barcelona, Berlin, Bornholm, Copenhagen, Cork, Dublin, Malaga, Malmö, Rome
- **Research Institutions and Universities:**
Cartif, Cidaut, CTL, DTU, ECN, Imperial, IREC, RSE, TCD, Tecnalia, TNO
- **EV Technology Institutions:**
DTI, FKA, TÜV Nord

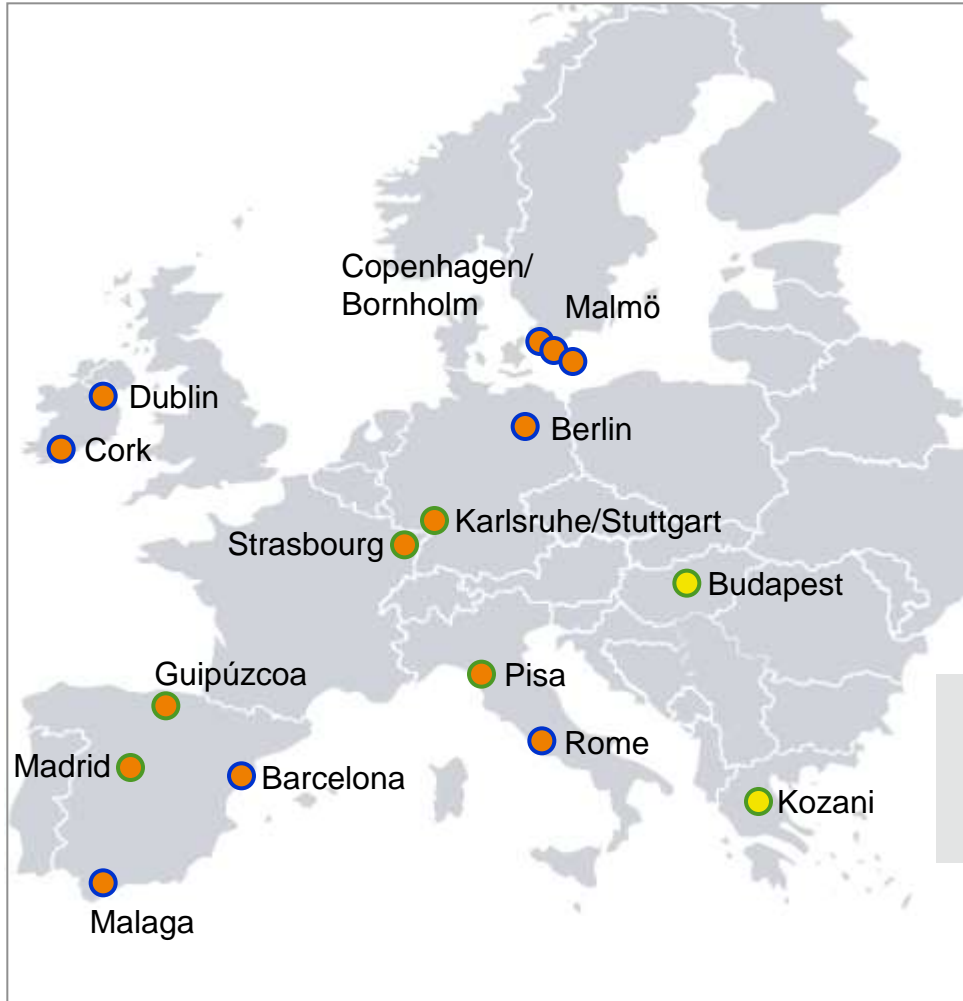
Green eMotion

- tests and demonstrates the **interoperability**.
- analyses the operability of electric cars under **real life conditions**.
- analyses optimised grid and charging **infrastructure**.
- recommends **standards** for an interoperable electromobility system.
- adjust proposals and results in discussion with a broad **stakeholder** base
- defines the IT architecture for a European **marketplace**



European electromobility – the big picture








Roughly 2,000 EVs at end of 2011

More than 2,500 charging points installed

EU aims for 70,000 EVs and more than 80,000 charging posts in 2015.

More than 380 Mio € in funded projects within demo regions (plus investments by Green eMotion partners).

-  Existing demonstration region
-  Replication region
-  Municipalities involved in Green eMotion

What we have achieved so far – city solutions & standards

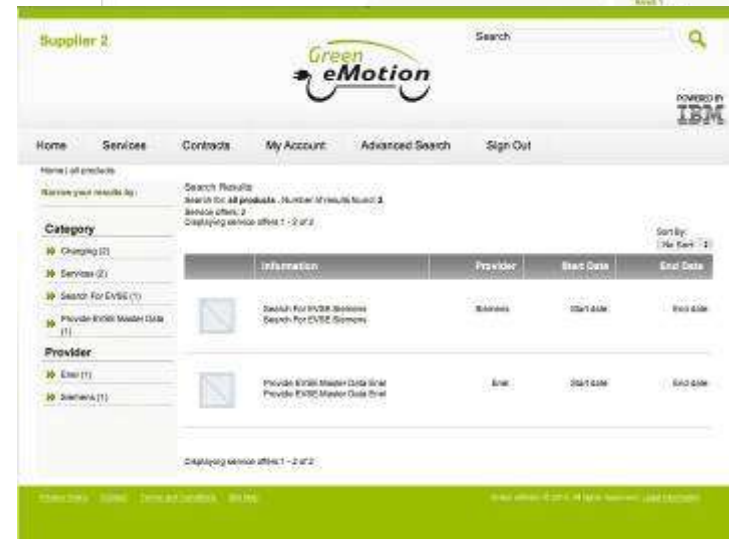
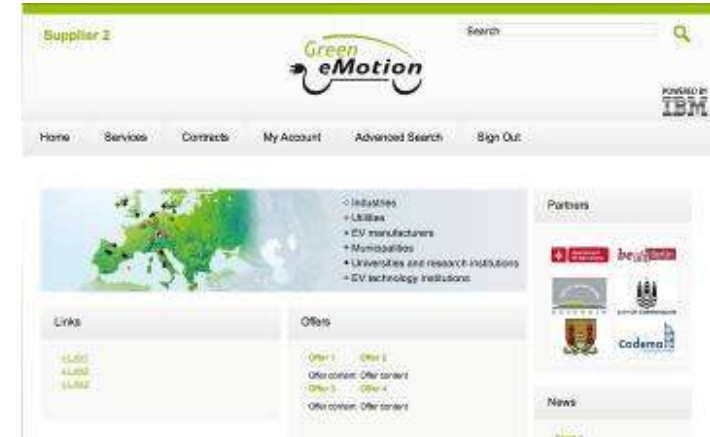


- **Vision, strategy and policy** of the Green eMotion municipalities:
 - reduce emissions and noise
 - tax incentives, grants for buying EV, e-parking, public charging infrastructure, free parking and municipal EVs.
- **Deliverables** public on <http://www.greenemotion-project.eu/dissemination>
- **Standards:**
Which ones are currently in use and gap analysis
- focus on interfaces and identification
- **Identification:**
We need unique identifiers for Europe (supply equipment, contracts, e-cars; has to cover country code, provider, number)
- **Interfaces:**
Charge point – Charge Management System - Marketplace



What we have achieved so far – ICT solutions

- Green eMotion Marketplace **release 1** (May 2013):
 - Core system (platform)
 - Search EV services
 - Roaming und Clearing (data management for billing)
- Green eMotion Marketplace **release 2** (May 2014):
 - Reserve EV services
 - Energy (Load Management)
- For more information check on <http://www.greenemotion-project.eu/dissemination>.



Gives input and feedback to the results of the project. So the project findings are build on a very broad base.

- Nearly 200 institutions and companies have signed in as members so far.
- Next meeting:
November 27/28, 2012, focused on ICT solutions in Ehningen, Germany.
- Future meetings:
Full meetings: Brussels, May 2013 and 2014,
February 2015
Workshops: Copenhagen Nov. 2013,
Barcelona Nov. 2014



Thank you for your attention.

For more information check
www.greenemotion-project.eu

