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The 27th INTERNATIONAL
ELECTRIC VEHICLE
SYMPOSIUM & EXHIBITION.

Barcelona, Spain
17th-20th November 2013



CHANGER L'ÉNERGIE ENSEMBLE



cross-border mobility for EVs

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www.crome-project.eu

Dissemination Session 4 E

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ORIGINS OF THE

CROMePROJECT



- **German-French working group on electric mobility (2009)**
 - **2 main results**
 - Position paper: „The German-French position on infrastructure and interface requirements for E-Mobility.“
 - Definition and development of a cross-border fleet
- **Franco-German Ministries Council in Paris (4th of February 2010)**
 - **Decision on the start of the pilot project mid 2010.**
- **Project start : March 2011**

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aufgrund eines Beschlusses des Deutschen Bundestages

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The overall vision of the CROME project :

- ***Electromobility already meets transportation needs*** thanks to a wide range of EVs / PHEVs now on the market
- ***A safe, user-friendly and reliable cross-border e-mobility between France and Germany*** can be demonstrated
- ***An interoperable easy-to-use charging infrastructure*** (plug, cable, etc.) ***and customer-oriented services*** (authentication, billing, roaming, reservation, etc) ***can already be set up***

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Partners from industry, research and public sector



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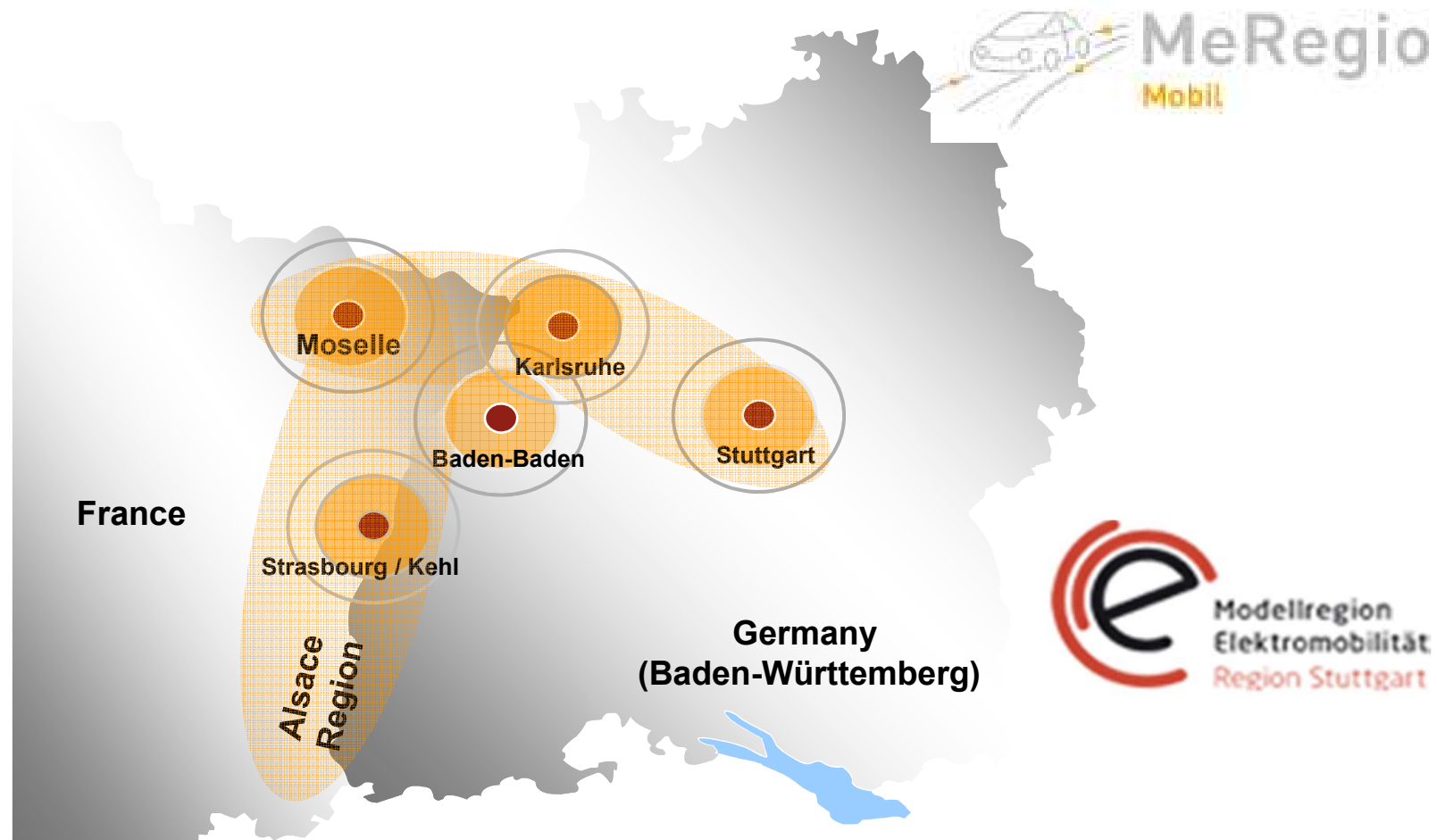


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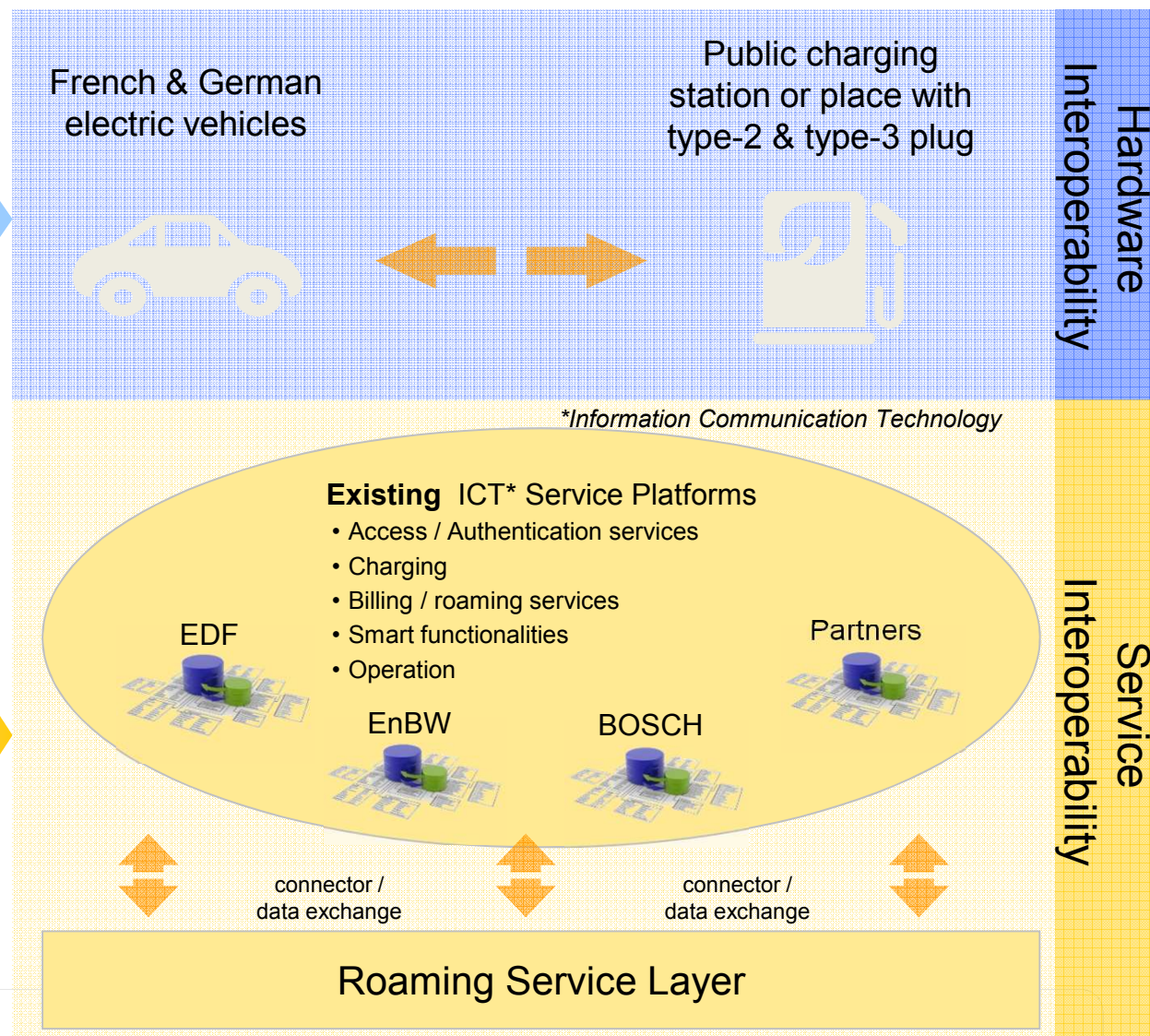


Every **EV** can connect to a charging spot



Every **user** can authenticate and control the charging process of its EV

croméo Interoperable charging stations and eMobility services



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crome A cross border « corridor »
of e-mobility

— EnBW

STADTWERKE
KARLSRUHE

Star.
ENERGIEWERKE

Stadtwerke
BADEN BADEN

E-Werk
Mittelbaden

- 25 interoperable public CROME charging stations with 50 charging points

edf

Strasbourg
Communauté Urbaine



Département
Moselle
Conseil Général

- SODETREL operator of the French network
- 21 interoperable public CROME stations with 32 charging spots
- 7 fast charging stations connected in France (Cora/Nissan/EDF), one in Germany
- 100 EVS monitored



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- **FRANCE :**
 - Public charging stations owned by the Cities
 - CROME « hardware » specifications
 - Call for tender - public investments (at least 6 months before Start of Operation)
 - Operation and supervision by Sodetrel as a global operator
 - Free of charge for use up to now, but tariff will be introduced
- **GERMANY :**
 - Public charging stations owned and operated by EnBW
 - Tariff
- Full interoperability between French and German CROME network (CROME market place)

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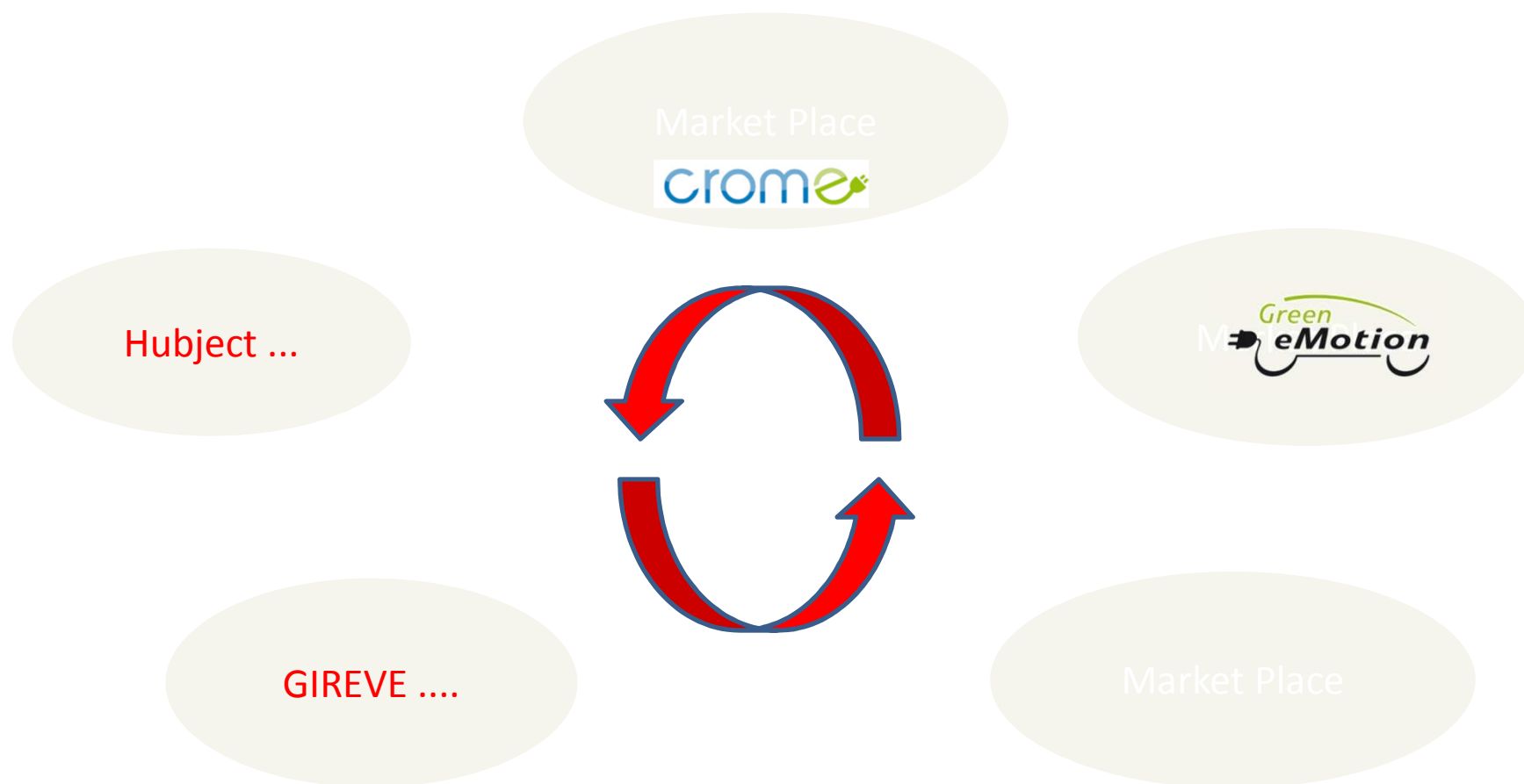
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chrome WHAT DOES INTEROPERABILITY
STAND FOR THE DRIVER ?

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