

evs|27

The 27th INTERNATIONAL
ELECTRIC VEHICLE
SYMPOSIUM & EXHIBITION.

Barcelona, Spain
17th-20th November 2013



mobi
europe



Pilot test in Vigo & CIP projects clustering

Diego Rodríguez Nión
CTAG – Galician Automotive Technology Centre

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MobiEurope : pilot test in Spain : Vigo



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vigo

population: ~300.000 (~480.000 including metropolitan area)

mid size city – although largest city in the region (Galicia)

**NO tramway - NO subway - NO bike sharing - hardly bike lanes
→ limited mobility options**

are alternative mobility initiatives possible in mid size cities?

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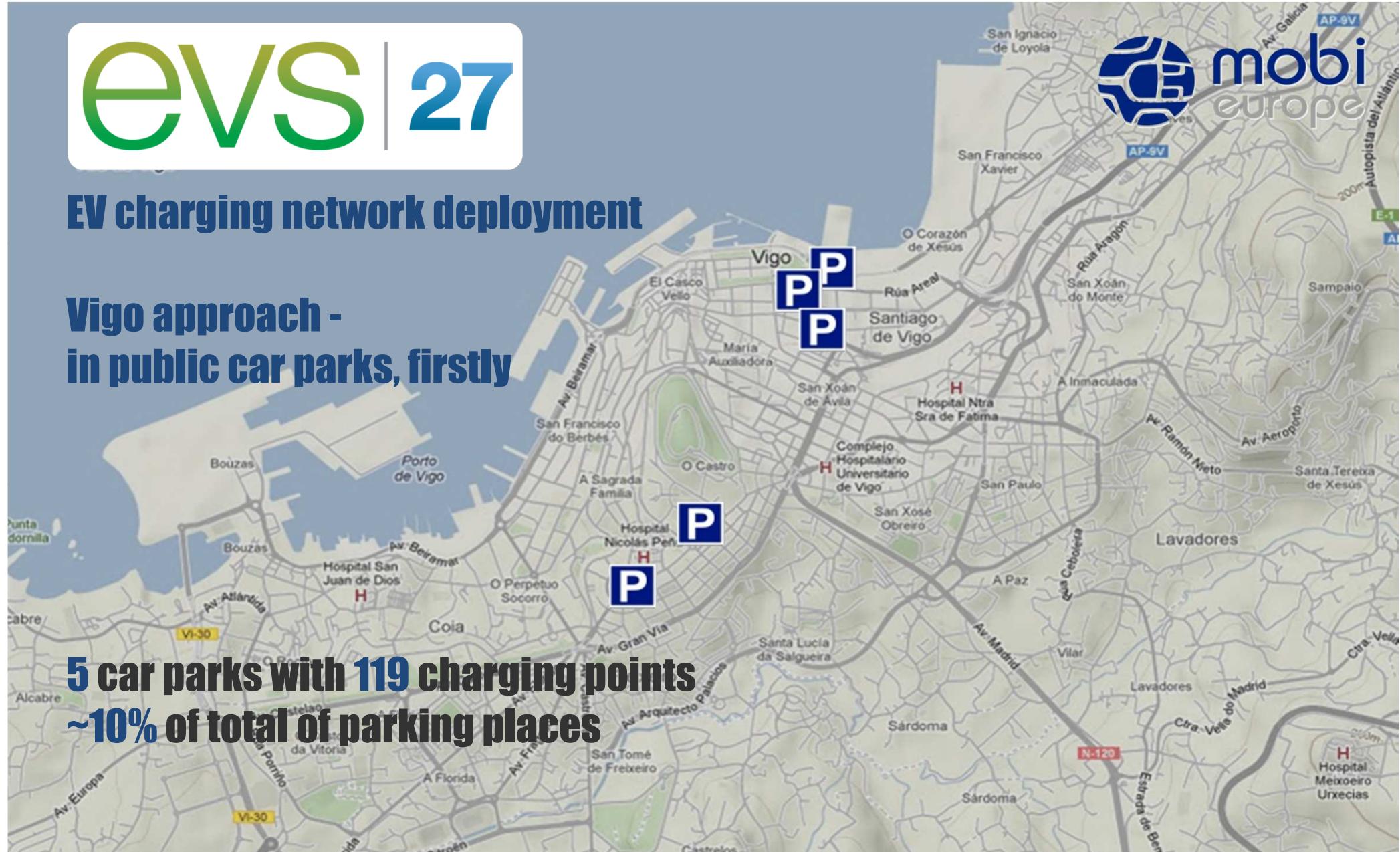


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EV charging network deployment

**Vigo approach -
in public car parks, firstly**



**5 car parks with 119 charging points
~10% of total of parking places**

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services overview within MobiEurope

Charging points in parking lots

EV car-sharing

International roaming

User-EV interaction



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Charging points in parking lots

ITS infrastructure

Integration of ICT services:

payment, multimedia, car sharing, charging points...

Charging network management

Telematics highway VIAT payment integration

RFID remote services for payment and user identification

Indication of parking places availability

5 parking facilities in Vigo



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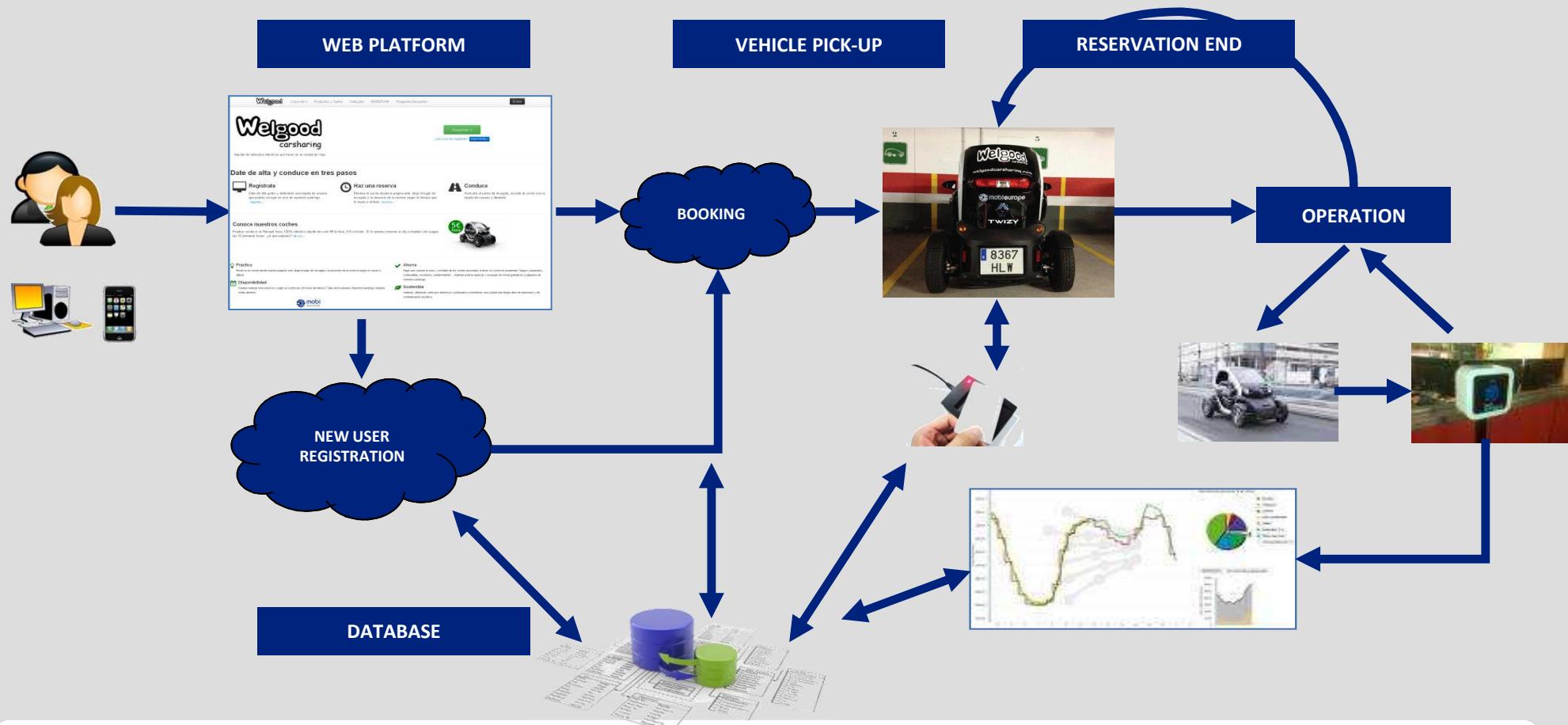
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EV car-sharing service



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EV car-sharing service



18 cars (Renault Twizy, Ciroën C-Zero, Peugeot Ion)
92 users
11.784 km

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International roaming



Vigo →
35km to the portuguese border
150km to Porto

“Vigo-Porto electromobility corridor”



Unión Europea
FEDER
Invertimos en su futuro



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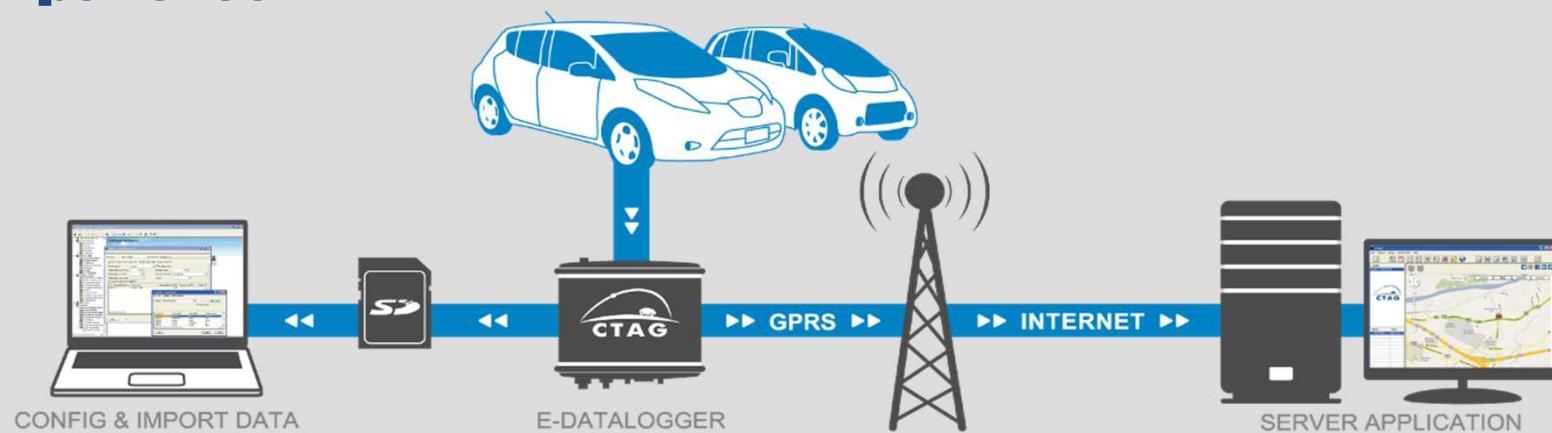
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User-EV interaction



Interactive applications for electro-mobility
E-datalogger solution for real-time monitoring of EV parameters and driving data
Specific questionnaire for EV drivers to assess driver behaviour and user experience



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CIP-ICT-PSP.2011.1.3 Smart Connected Electro-Mobility

MobiEurope
SmartCEM
Molecules
ICT4EVEU

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MobiEurope – Integrated and interoperable ICT applications for ElectroMobility in Europe



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smartCEM

SmartCEM – Smart Connected Electro Mobility

Newcastle

San Sebastián

Turin

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Molecules – Mobility based on electric connected vehicles in urban and interurban smart, clean, environments



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Paris

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ICT4EVEU – ICT services for electric vehicle enhancing the user experience

Bristol

Vitoria

Pamplona

Maribor

Ljubljana

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MobiEurope
SmartCEM
Molecules
ICT4EVEU

Coordination activities -
3 experts working groups:
Evaluation
Architecture
Dissemination

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Working group on Evaluation

Objectives:

Creation of common list of indicators

Environmental

Transport and mobility

User uptake

Economic

Development/employment of common methodology (based on FESTA)

Creation of common Pilot & Evaluation Guidelines for CIP project pilots

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Working group on Architecture

Objectives:

To define common architecture templates (use case, system requirements, common high level architecture)

To establish common vocabulary

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Working group on Dissemination

Objectives:

- To promote common dissemination activities
- To organise common actions
- To exchange information on dissemination (potencial events, ...)
- To coordinate representation of the 4 CIP projects at events

Events:

- Common launch event at EU Parliament - Brussels
- Common dissemination at ITS World Congress 2012 – Vienna
- CIP ICT PSP Smart Electromobility Event - Vitoria

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Thank you!

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