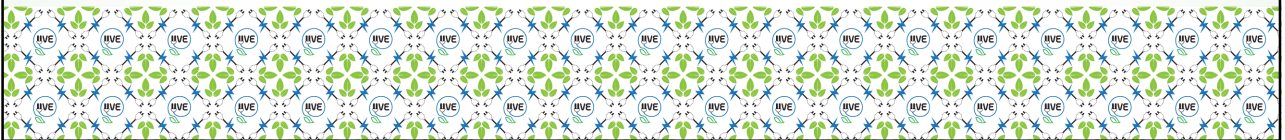
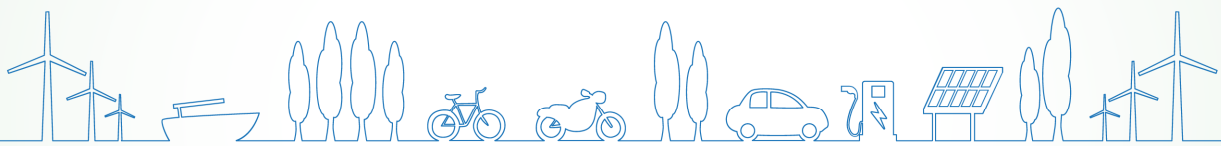




ASSOCIAÇÃO de UTILIZADORES DE VEÍCULOS ELÉTRICOS

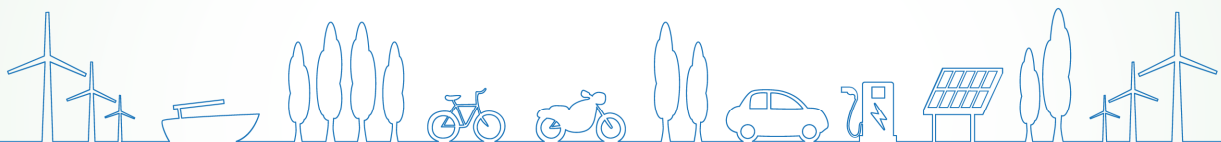
IVE and Electric Mobility in Portugal

CISMOB - Interreg Europe - 8 March 2018



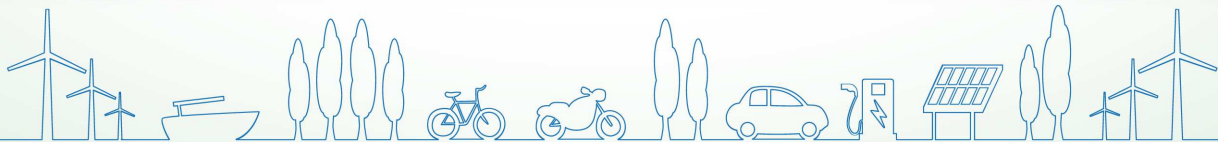
ASSOCIAÇÃO de UTILIZADORES DE VEÍCULOS ELÉTRICOS

1. IVE was born
2. IVE's activities
3. How's Electric Mobility in Portugal?
4. National Meeting of Electric Vehicles





1. UVE was born



1. UVE was born Foundation - Electric Vehicle Users Association



On the 6th December 2015

- City of Coimbra
- 20 Founders
- 13 EV present
- www.uve.pt
- <https://www.facebook.com/uve.pt/>



February 2018

- Over 230 members

1. UVE was born

Public presentation



On the 23th March 2016

- City of Lisbon (Electricity Museum)
- Guests: Government, Public companies, Private companies and journalists

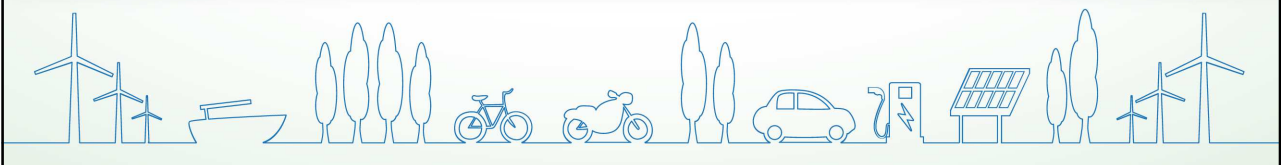


- Speakers: UVE, APVE, APREN, Loving the Planet, Government

- 150 Participants
- Exhibition of EV's



2. UVE's activities



2. UVE's Activities

Merchandizing and pedagogical activity



Aviso de cortesia

Caro condutor de veículo elétrico, por favor note que estacionou num local exclusivo para carregamento sem colocar o seu veículo à carga.

Infelizmente impediu que outros veículos elétricos pudessem usufruir do espaço para os seus carregamentos.

Muito obrigado pela compreensão e por libertar este lugar para que outros veículos possam carregar, evitando assim que o seu veículo possa ser rebocado.

Se tiver interesse em mais informações sobre veículos elétricos, sugerimos a visita do seguinte site:
www.uve.pt

Aviso de cortesia

Por favor note que o seu veículo está a ocupar um lugar destinado exclusivamente ao carregamento de veículos elétricos.

A ocupação deste lugar impediu um veículo elétrico de carregar.

Temos a certeza de que a sua ação não foi intencional e esperamos que no futuro tome a devida atenção de que estes lugares são reservados a veículos elétricos em carga, evitando assim que o seu veículo possa ser rebocado.

Muito obrigado pela sua cooperação.

Se tiver interesse em mais informações sobre veículos elétricos, sugerimos a visita do seguinte site:
www.uve.pt

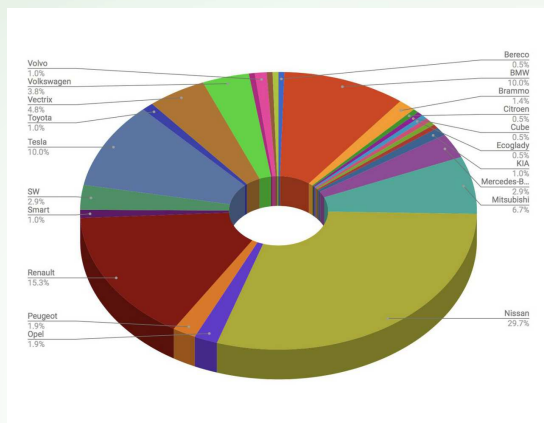


UVE is requested for:

- Conferences and Exhibitions
- EV Presentations
- Public Events
- Interviews (Internet, TV, Newspapers, Magazines)
- Organize Regional EV Meetings (Municipalities)
- Partnerships
- Website and facebook page
- Electric Vehicles National Meeting

2. UVE's Activities

Figures and Numbers



UVE Members Electric Vehicles



Telmo, UVE Founder. BMW C-Evolution
2 years, 34.000 km

2. UVE's Activities

Figures and Numbers



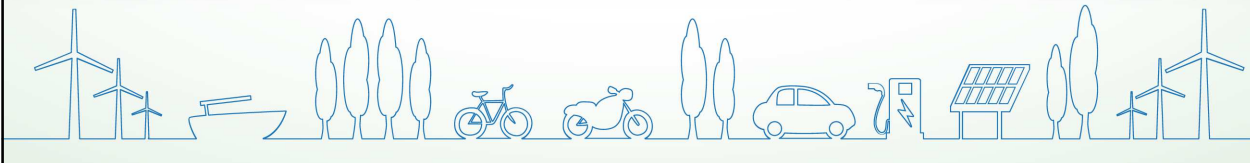
João, UVE Founder. BMW i3, 22 kWh
3 years and 8 months, over 170.000 km



1. Average charge: 12 kWh
2. Average km between charges: 69 km
3. Average consumption: 14.6 kWh



3. How's Electric Mobility in Portugal



3. How's Electric Mobility in Portugal? Figures and Numbers



Taxes, Incentives and Benefits



2015

Citizens and Companies

- Government incentive for cars **2.250 €**
- Government incentive for motorcycles **400 €**
- (IUC) Annual Circulation Tax **Exemption**
- (ISV) Vehicle Tax **Exemption**
- Parking (in some cities, like Lisbon) **Free**

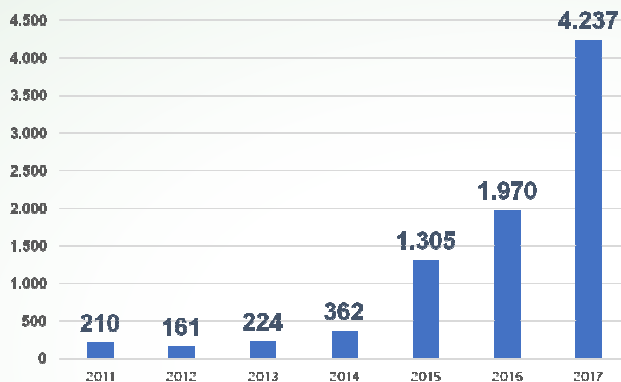
Companies

- (IRC) Tax on Corporate Income **Exemption**
- (IVA) Value Added Tax **Deduction**

3. How's Electric Mobility in Portugal? Figures and Numbers



BEV+PHEV SALES IN PORTUGAL (2011-2017)



Annual change (%)

2011	-
2012	-23,33 %
2013	39,13 %
2014	61,61%
2015	260,50%
2016	50,96 %
2017	115,08%

3. How's Electric Mobility in Portugal? Figures and Numbers



Portugal – The Network – January 2018

608 Chargers

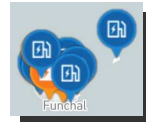
550 Normal Chargers (3,6 kW to 22 kW)

- 404 Normal (Pilot Project)
- 146 Normal (Private Investment)

58 Fast Chargers (45-50 kW)

- 39 Fast (Pilot Project)
- 19 Fast (Private Investment)

1.469 Plugs = 1.316 Normal + 153 Fast



Source: MOBI.E



3. How's Electric Mobility in Portugal? Figures and Numbers



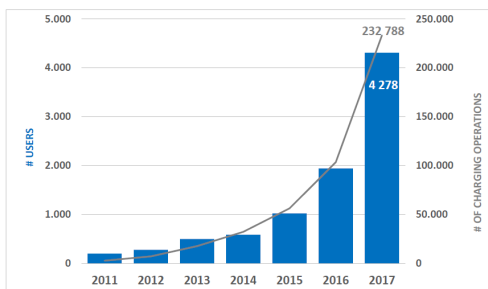
THE NETWORK



	total	2016	last year	last month
energy consumed	4,036,827.26 kwh	798.527,69 kwh	2,164,260.94 kwh	310,523.47 kwh
# chargings	495,282 #	103.593 #	232,788 #	31,091 #
# users	5,395 #	1,836 #	4,278 #	2,663 #
CO2 avoided	2,671,370.44 kgCO2	528.425,70 kgCO2	1,432,199.68 kgCO2	205,488.91 kgCO2

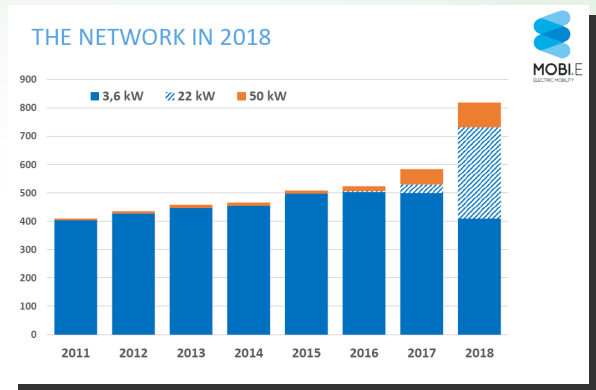
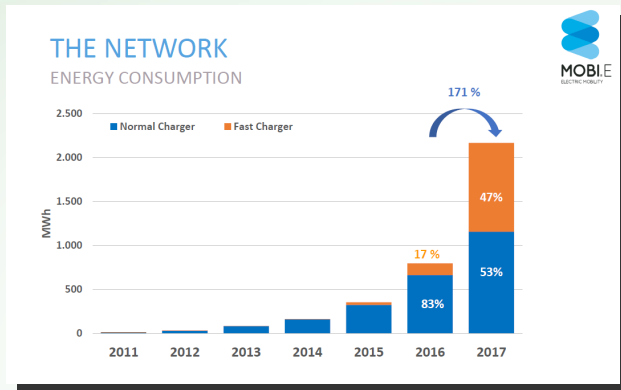
CHARGING OPERATIONS EQUIVALENT TO 26 900 000 km TRAVELLED

THE NETWORK



3. How's Electric Mobility in Portugal?

Figures and Numbers



3. How's Electric Mobility in Portugal?

Figures and Numbers



THE FUTURE

We expect:

- In the short term future
 - Self-Production and Energy Storage (we already have some)
 - Ultra Fast Charging
 - Vehicle-2-Grid

- In the middle term future
 - Autonomous Vehicles
 - Integration with other mobility services
 - Internet of the Things

Our vision of the Future is very positive and pragmatic: **we should do, not talk**, otherwise we can compromise the Future of our children, we must act quickly.



3. How's Electric Mobility in Portugal?

Figures and Numbers



THE FUTURE

Portugal as everything needed to achieve all those objectives:

- We produce more than 50% renewable energy (2016: 60%, last year: 48%, due to the drought)
- We have manufacturers of fast charging and ultra fast charging systems (Efacec – main world player)
- Portugal as a natural environment for the design, development, engineering, manufacturing and real life testing of new technologies, products and services for Electric Mobility.



Photovoltaic power plant. Amareleja.



HV350

DC45



3. How's Electric Mobility in Portugal?

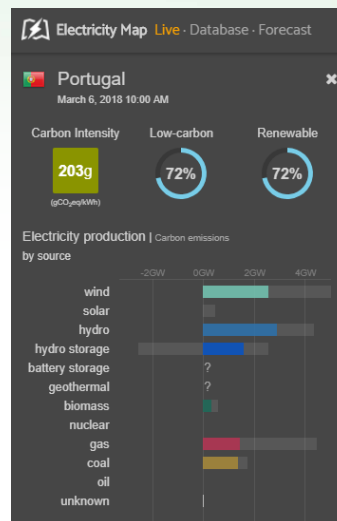
Figures and Numbers



THE FUTURE IS TODAY

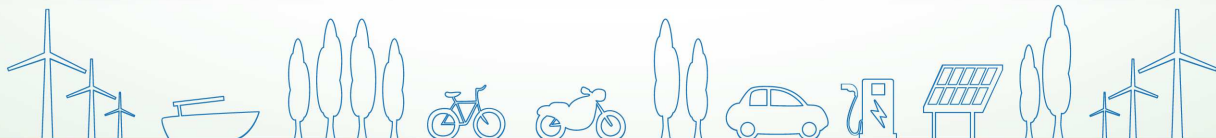
Electricity production on March 6th

72% Renewable





4. National Meeting of Electric Vehicles ENVE



4. National Meeting of Electric Vehicles Large EV event in Portugal



ENCONTRO NACIONAL DE VEÍCULOS ELÉTRICOS

LISBOA - PARQUE DAS NAÇÕES

13 e 14 JUNHO de 2015



Conheça o carro eléctrico Faça o baptismo eléctrico



ENCONTRO NACIONAL DE VEÍCULOS ELÉTRICOS

COIMBRA

PRAÇA DA CANÇÃO

4 e 5 junho 2016

OPENSSE 2016 Dia do Ambiente 5 DE JUNHO



Conheça o veículo eléctrico Faça o seu baptismo eléctrico



ENCONTRO NACIONAL DE VEÍCULOS ELÉTRICOS

PORTO

Palácio de Cristal

8 e 9 Julho 2017

CIDADE MAIS



Conheça o veículo eléctrico Faça o seu baptismo eléctrico



ENCONTRO NACIONAL DE VEÍCULOS ELÉTRICOS

LEIRIA

7 e 8 Julho 2018



Conheça o veículo eléctrico Faça o seu baptismo eléctrico



4. National Meeting of Electric Vehicles

Large EV event in Portugal



ENVE 2017 - Porto



Thank you



Henrique Sánchez
President of UVE
henrique.sanchez@uve.pt

