



EUROPEAN CITIES AND REGIONS NETWORKING  
FOR INNOVATIVE TRANSPORT SOLUTIONS



European Electromobility Observatory

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Rotterdam

# Madrid views and news on electromobility

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# Promoting E-mobility in Spain: Who are the main public players?

**IDAE (Spanish Institute for Diversification and Saving of Energy):** the entity responsible for developing the national policy framework

**Coordinates and manages measures and funds toward promoting e-mobility.**

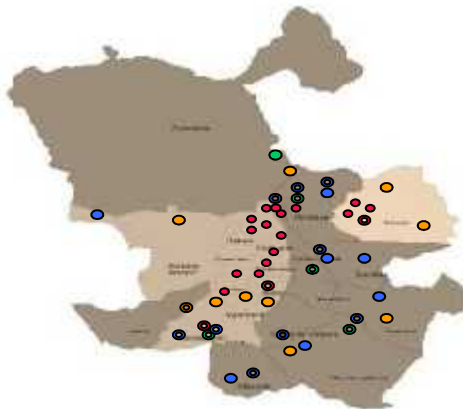
## **PLAN MOVELE**

- Incentives to acquire EVs/PHEVs (€ 10 M in 2014)**
- Installation of charging stations in largest cities**

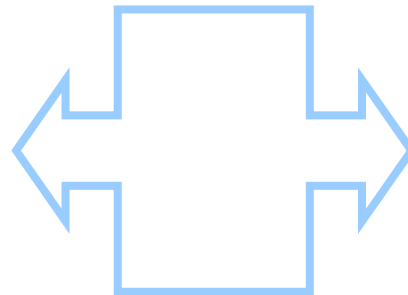


## CITIES: How is Madrid promoting e-mobility?

Improving management of charging stations and  
promoting EV adoption



Facilitate the deployment of an  
appropriate network  
of public charging points



Tailor made actions depending  
on the target sector

**In 2009, IDAE chose Madrid for the MOVELE project: 24 on-street charging points were installed**

**In 2014, the City of Madrid has set up a PPP with two EV charging stations providers**



### The PPP allows:

- Regulation  
(charger manager)
- Interoperability pilot  
project
- Renewing facilities:  
smart management,  
installing Type 2  
connectors and  
increasing speed



## Next Steps:

- Launch initiatives to install fast charging in appropriate locations (e.g. petrol stations, underground parking, commercial establishments, shopping centers).
- REGIONAL BASIS**







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# EV ADOPTION



**Municipal fleet**



**Freight vehicles**



**Buses**



**Taxis**



**Private  
vehicles**

## **MUNICIPAL FLEET:**

### **- RENTING**

**In 2014: 61 hybrids and 4 EV introduced**

### **- SERVICE CONTRACTS**

## **MUNICIPAL SERVICES FLEET**

**110 electric veh. In urban services companies**



## **BUS FLEET**

- 767 CNG
- 20 ELECTRIC
- 10 HYBRID-CNG
- 13 PLUG-IN HYBRIDS CNG
- 1 HYBRID CNG/diesel
- 4 HYBRIDS – Diesel

## **OTHER EMT VEHICLES:**

- 10 electric-SACE
- 1 hybrid



## **FREIGHT VEHICLES**

- ONLY EURO 6 WILL HAVE ACCESS TO THE LEZ IN JANUARY 2020
- FREE AND UNLIMITED PARKING IN REGULATED AREAS
- 75% REDUCTION ON LOCAL ROAD TAX
- VOLUNTARY AGREEMENTS WITH LARGE COMPANIES TO ADOPT CLEAN VEHICLES
- PARTICIPATION IN FR-EVUE PROJECT TO PILOT "LAST MILE" DELIVERY WITH EVs

## **TAXI**

- **NEW E-MODELS APPROVED (Nissan)**
- **TAXI ORDINANCE**
  - **ECOTAXI**
    - **CO<sub>2</sub> emissions < 160 g/Km**
    - **NOx emissions < 80 mg/Km)**
  - **January 1st, 2020: banned if not compliance**

## PRIVATE VEHICLES

- FREE AND UNLIMITED PARKING IN REGULATED AREAS
- 75% REDUCTION ON LOCAL ROAD TAX

# E-mobility statistics

## 700 EV CIRCULATING IN MADRID

Sales of EVs in Madrid's region	2014 Sept	2013 Sept	2014 YTD	2013
Passenger cars	28	16	188	229
Quadricycles	1	7	31	34

Source: ANFAC

## 175 PUBLICALLY ACCESIBLE CHARGING STATIONS

- ON-STREET: 24
- OFF-STREET: 151 CP AT PUBLIC PARKINGS





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# Thank you!

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