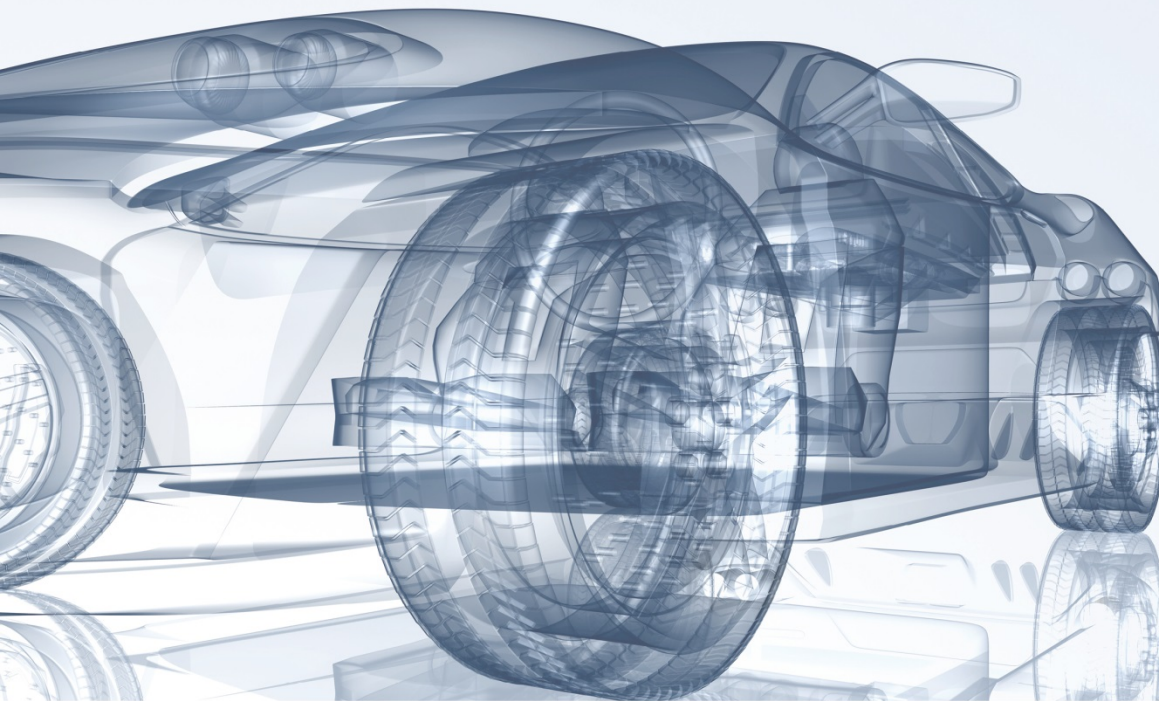


evs 30



The 30th International
Electric Vehicle
Symposium & Exhibition

October 9–11, 2017
Messe Stuttgart, Germany

www.evs30.org

Sponsored by

DAIMLER



BOSCH
Invented for life

GRUPE RENAULT

MAHLE

EnBW



swarco

Success of electro mobility in France: strong political involvement and effects, focus on charge infrastructure.



Avere-France actions to Promote electro mobility

- Federation of the French sector of electric mobility
- Lobbying
- Communication, Web and social networks
- Organization of Electro mobility events
- development of the network of regional associations



150 members at the heart of the industrial sector of electric mobility



At the heart of the industrial sector of electric mobility

- Automotive , bus and trucks OEM
- Automotive suppliers
- Energy suppliers
- Charges systems suppliers
- Universities and research centers
- Organizations and service providers of electro mobility
- Publics institutions
- Users of electric vehicles.....



GOUPIL

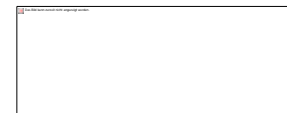
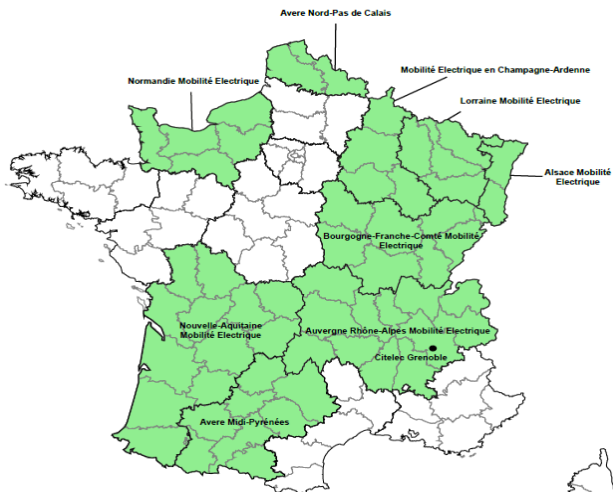


Avere-France activities:

- **Thematic breakfast debates**
- **Awards of French electro mobilities cities and regions.**
- **Participation on politics debates and proposition of legislative and regulatory changes**
- **Speech on medias, organises professional events**
- **Reference data on electro mobility**



Regional associations members of « réseau Avere-France »





Political involvement on EV market

strong support from the Government and municipalities form several years

2011 Program of the 1st large bulk order of 50,000 EV

deployment of EV car sharing or renting:

Autolib Paris, Bordeaux, Lyon

Auto bleu Nice,.....

Bonus & **super bonus*** to buy EV , PC and LDV:

2012 5000€

2013 7000€

2014 6300€

2015 6300 + **3700** = 10000€

2016 6300 + **3700** = 10000€

2017 6000 + **4000** = 10000€

2018 6000 + **2500** = 8500€ **

Bonus to buy electric scooter and motorcycle

2017 1000€

2018 900€**

- When you put your old diesel (10 years) scrapped
- ** Proposition from government, the super bonus is Also for second and vehicle.

The energy transition law in favor of EV

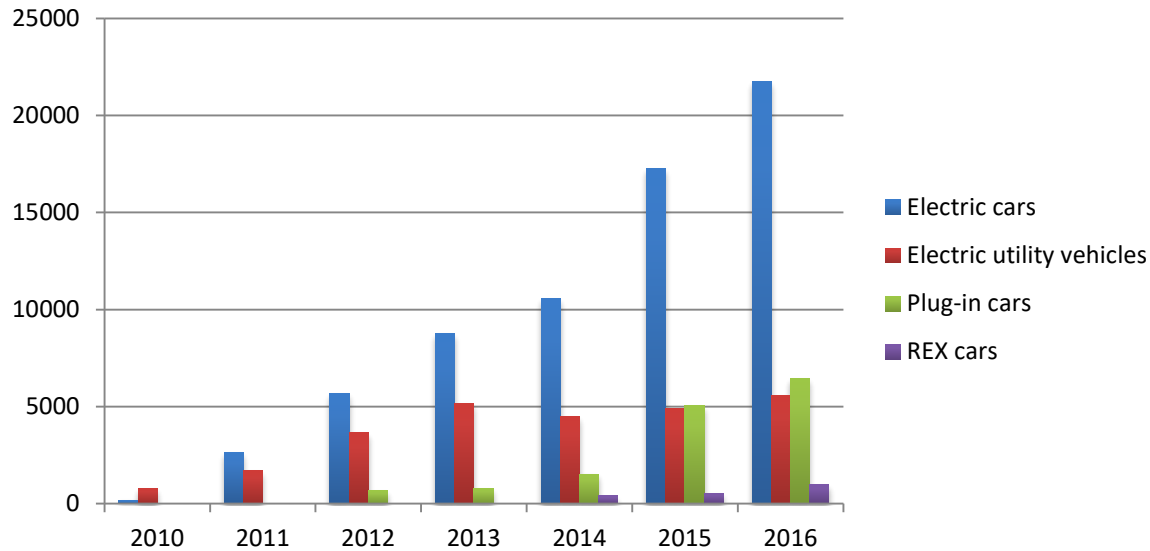


Developing EV advantages : Free Parking, free access on LEZ, ... (base on the most polluting vehicles identification by color badge :

- CO2 taxation system on company cars ,**
- Exemption of local taxes for EV and PHEV (registration tax),**
- Development of low emission cars among public fleets.**
- Tax credit for the installation of private charging point.**

The result on French market:

EV and PHEV registrations 2010 - 2016



- ☐ More than 130 000 EV's on the road.
- ☐ A constant significant growth.
- ☐ We plan an acceleration in next years.



Focus on charge infrastructures

Strong support from the Government

- Simplification for the installation of charging point in condominium.
- Tax credit for the installation of private charging point (up to 30%).
- Deployment of public charging infrastructures: 60M€ is allocate by government.

Private financing on charge infrastructure

Draft plan of fast charging infrastructure planned in France under Corri-door project



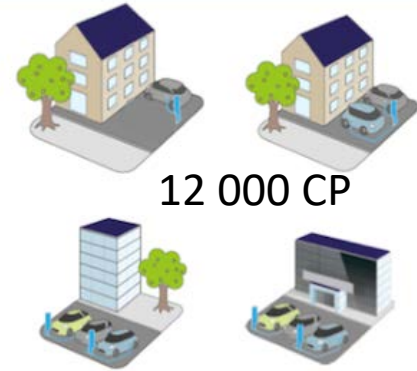
Corridor projects

Source: Corri-door (march 2015), internal report

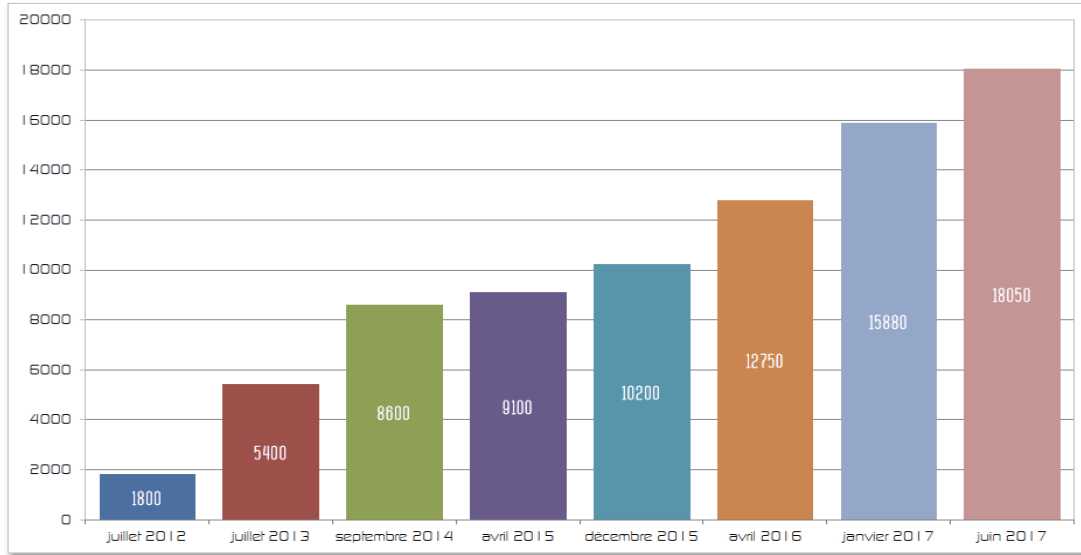
- Renault Network
- Nissan quick chargers
-
- CNR 52 quick chargers 2015- 2017
- EDF (SODETREL) 200 quick charges on motorway 2016-2017.
- Avere 12 000 charging points with ADVENIR CEE Program 2016-2018

ADVENIR program ADVENIR

- This program managed by Avere-France financing charging points on private area.
- ADVENIR covering up to 50% of the cost with a maximum of 1600€ by charging points.

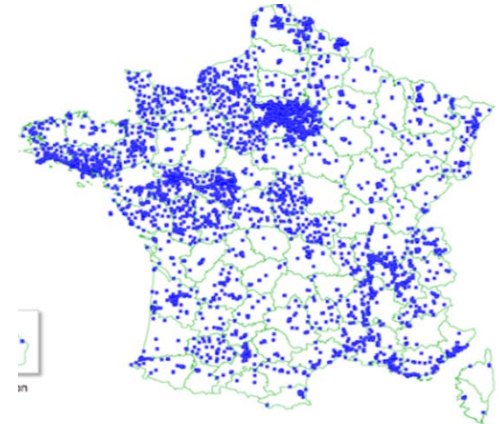


The result on French public charge infrastructure:

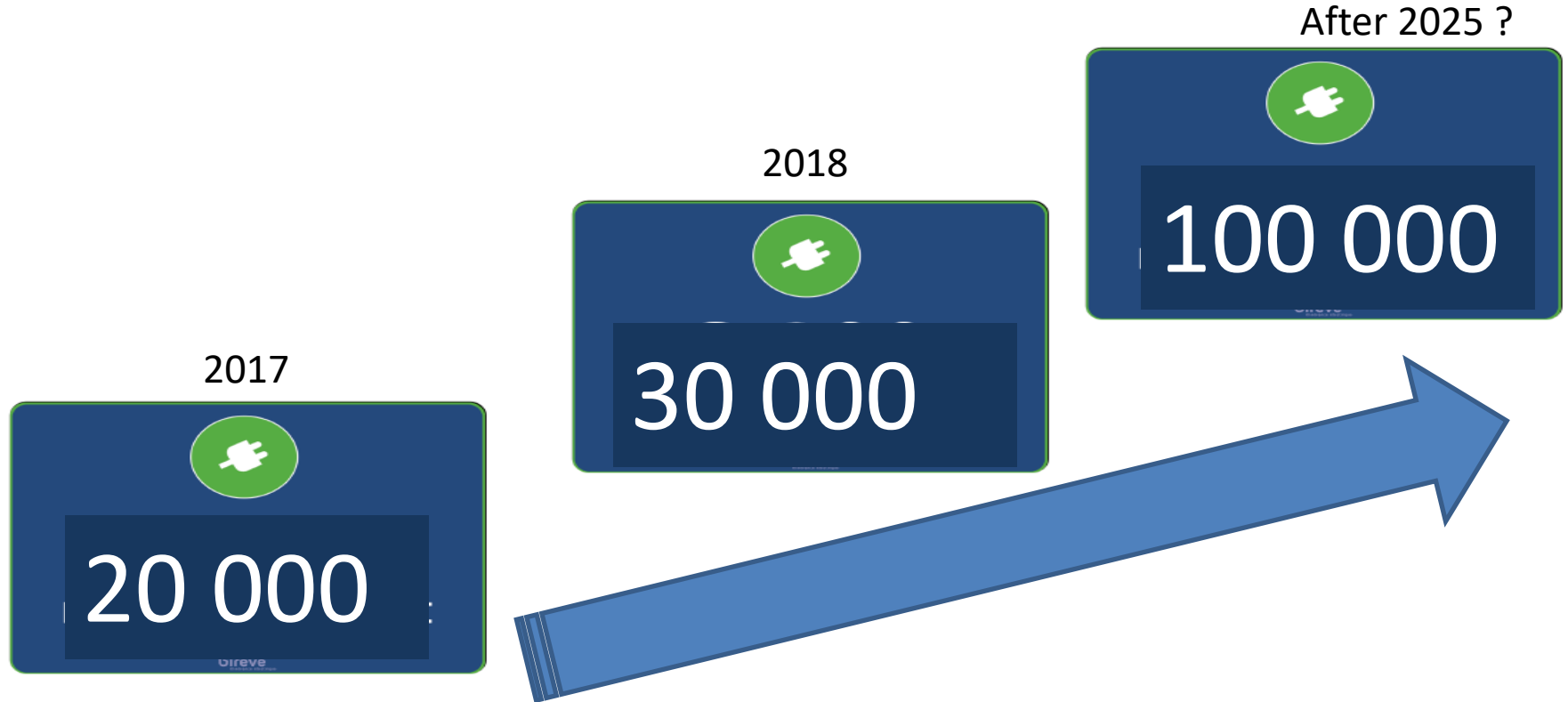


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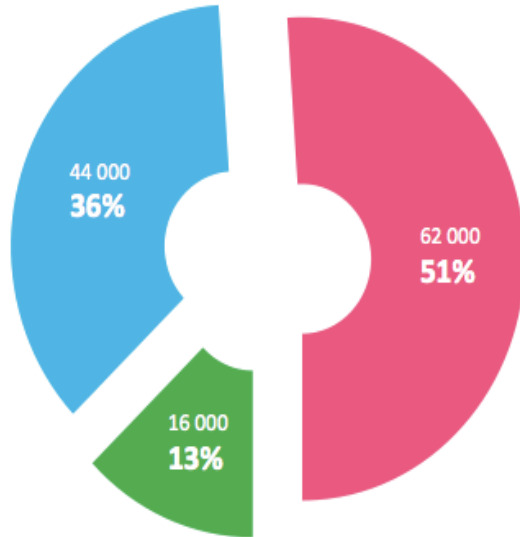
- ❑ A very quick growth
- ❑ Around 20 000 charge points accessible to public installed today.



We continue to implement in next years



But public infrastructure is small part of total (13%)



*Growth between 2015 and
déc. 2016*

+ 50 %

But public infrastructure is small part of total (13%)

13 %



PdCh

Accessible to
Publics
16 000

36 %



PdCh

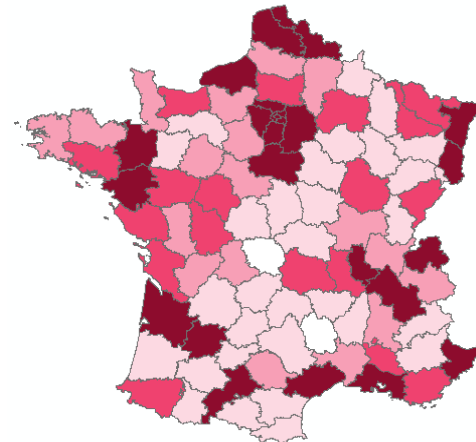
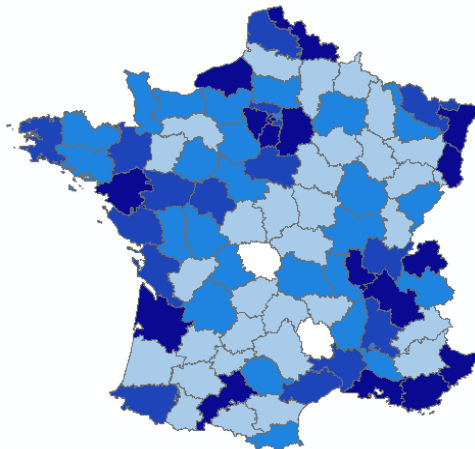
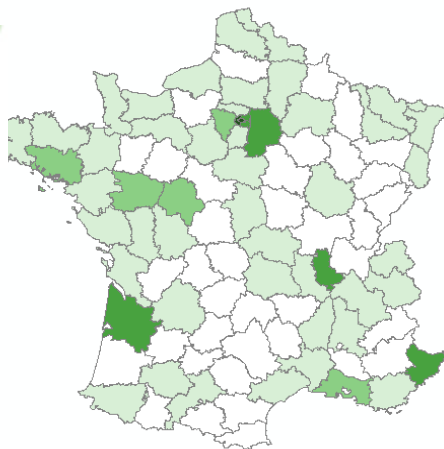
People
44 000

51 %



PdCh société

Compagnies
62 000



around **122 000** charge points in France in 2016



Barriers and opportunities for an intelligent charging infrastructure

deployment of charging functions



Recharging cost
information and
payment



Monitor and
manage battery
charging on line



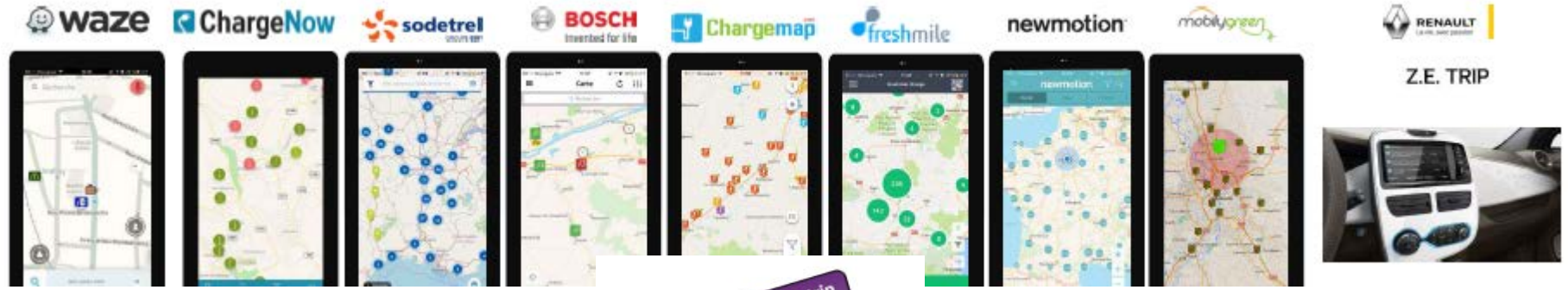
Battery
performance
overview



Charge point
localisation and
reservation

harmonisation of infrastructure functions

Charge where ever you want, a dream to day?



.....

A reality tomorrow if,

Conclusion

- We are just at the beginning of this mutation
- EV needs to be accompanied in its further growth,
- Continue the deployment EV and infrastructure and make the charge interoperable and harmonies all system,
- Increase the quality of electro mobility services.



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