



## Electromaps meets Polisnetwork

Javier Julve  
Barcelona, November 2020

# Electric Mobility Service Provider

 Established

2009

 Offices

Barcelona, Spain

We make EV charging easy and believe in worldwide borderless charging.

We improve EV drivers user experience through innovative digital solutions.



## Mobile Application

Find, Access and pay over 130.000 charging stations worldwide



## Charging Management SaaS

Our charging management solution helps you manage and monetize your EV infrastructure

We are the  
leading eMobility  
Service Provider

**95%**

Our eMobility services are being  
used by of Spanish EV drivers

**100.000**

EV drivers

**+130.000**

Charging Station  
Locations

**+296.000**

Available charging  
plugs

**+120%**

EV users anual  
growth

**+200**

B2B Clients



# Electromaps EV drivers Survey 2019

Target:	Iberian EV drivers
Duration:	24 hours
EV drivers:	1.400
Questions:	+100 questions
□	45 min

## Questions Area Topics:

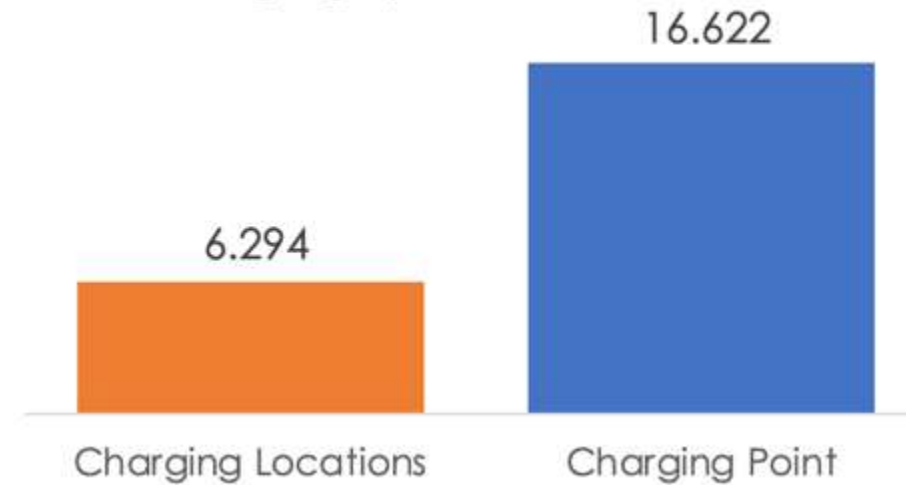
1. EV driver profile
2. EV buying process
3. EV charging pattern
4. Mobility Profile
5. Public Charging problems
6. EVSE locations request
7. Other



# EV Charging Stations in Spain 2020



EV Charging Spain 2020



2%

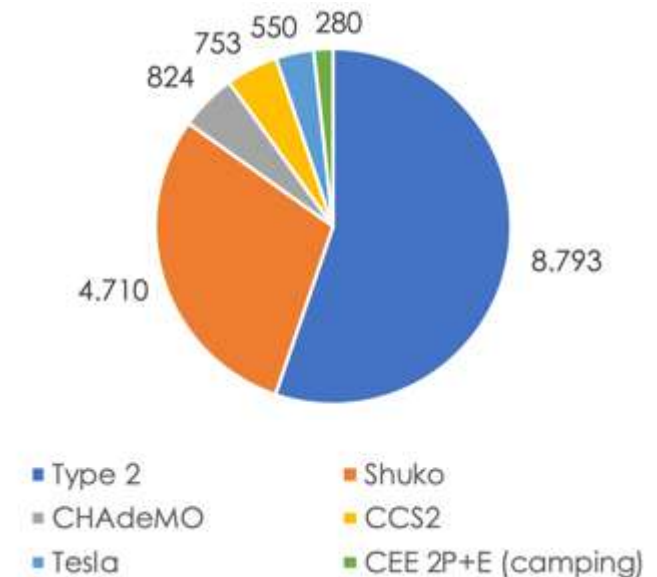
Sales share of BEV & PHEV in Sept 2020

ROAMING

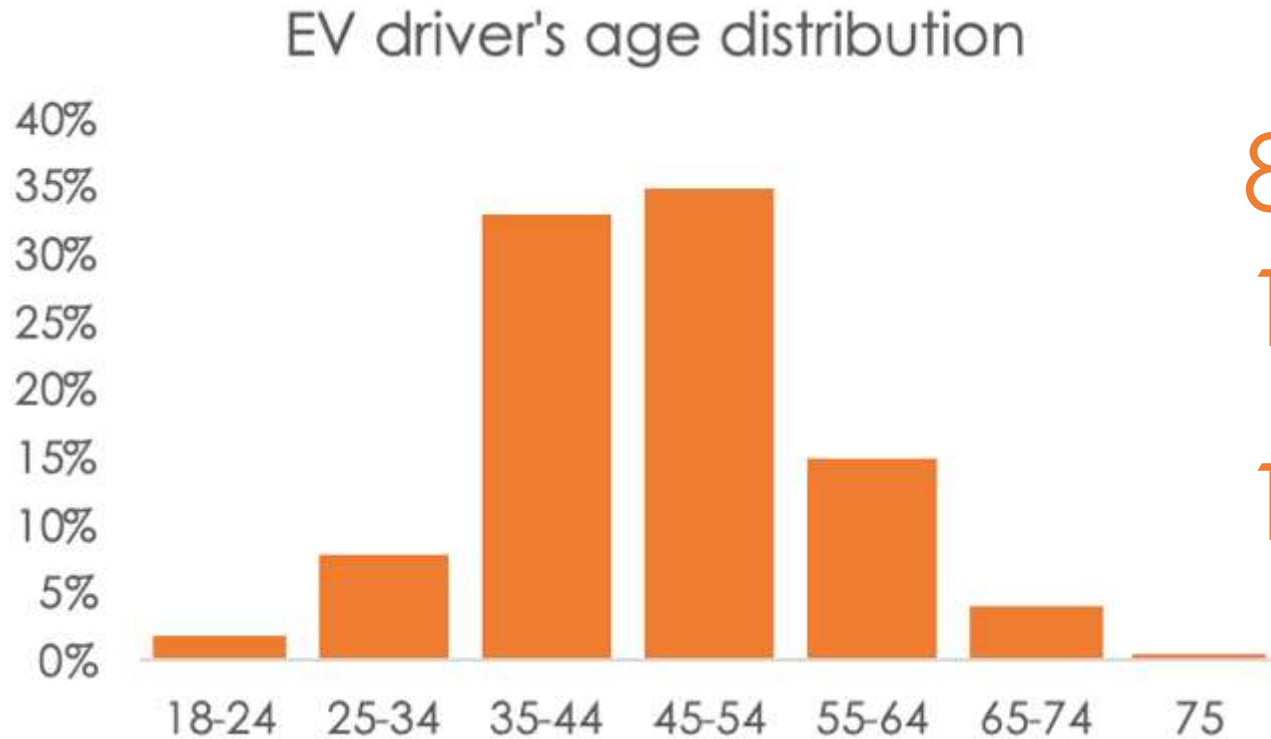
is **not regulated**

<35%

Charging stations are connected



# EV drivers Survey 2019 – EV driver's Profile



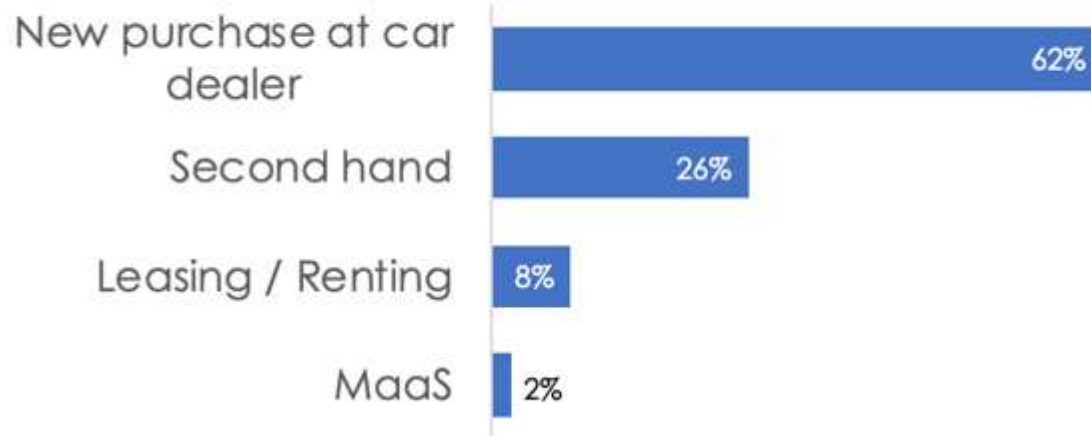
82% Medium or high education

14% Highschool

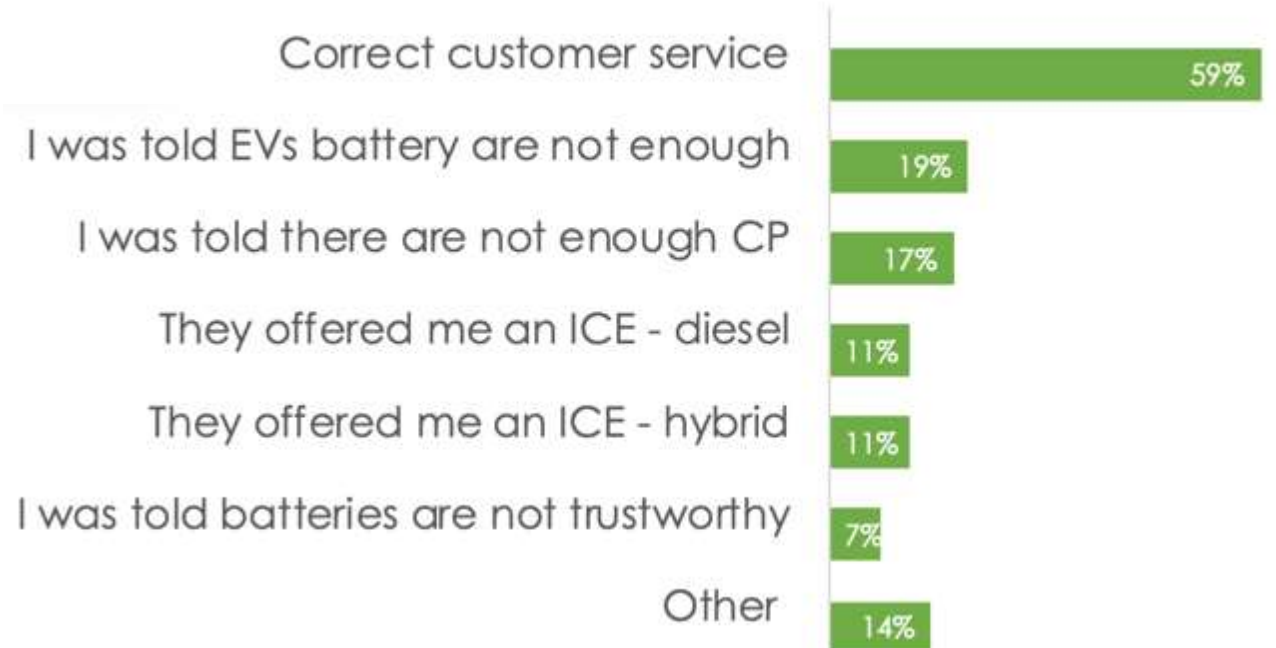
1.437 EV drivers

# EV drivers Survey 2019 – EV buying process

How did you acquire your EV?

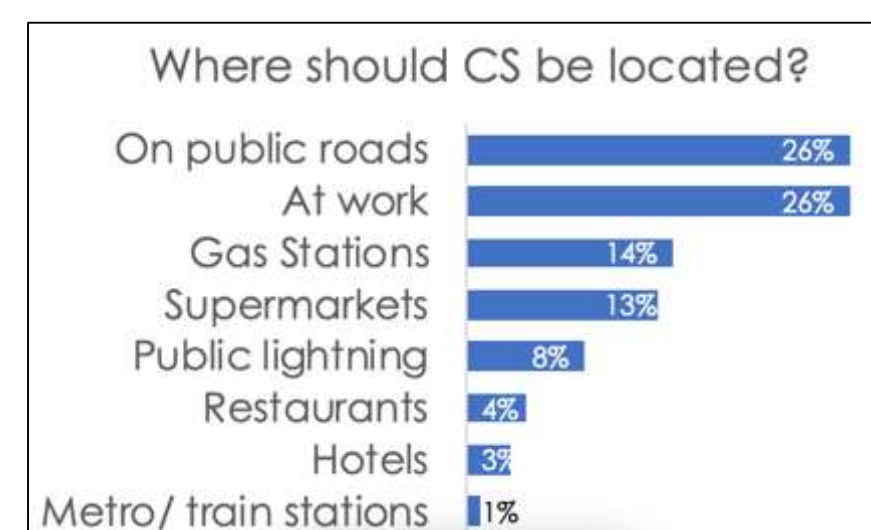
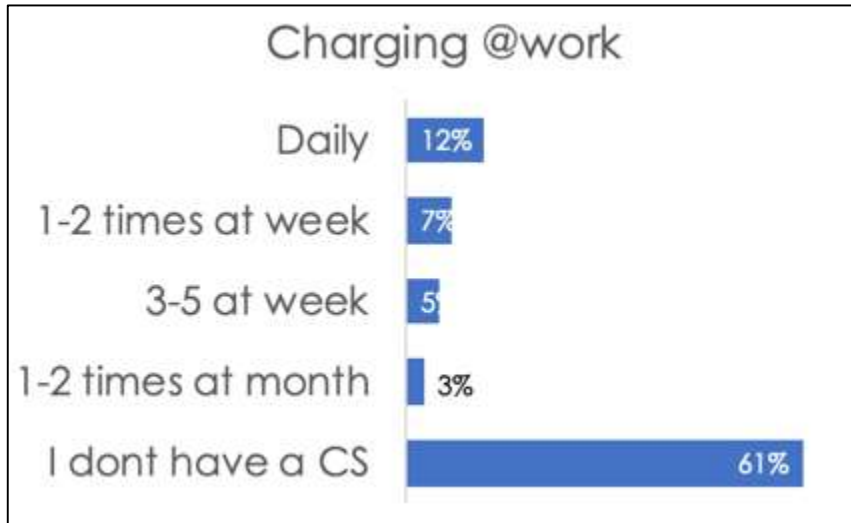
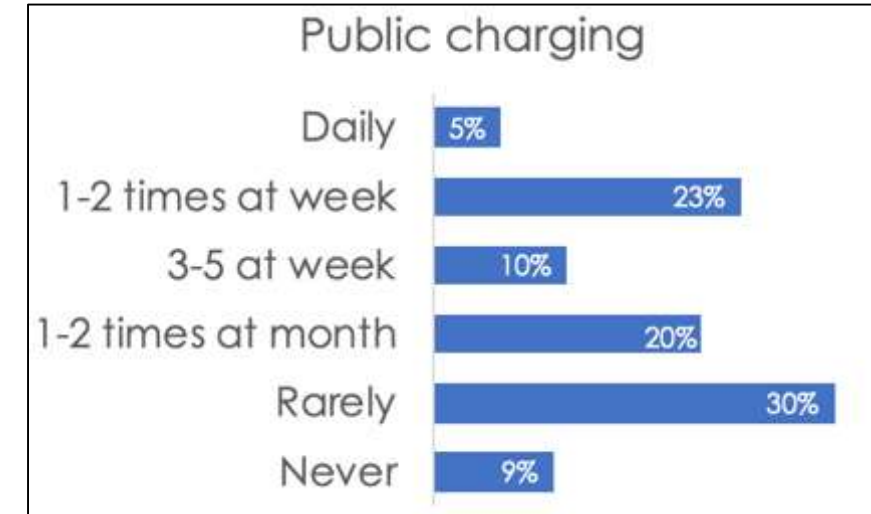
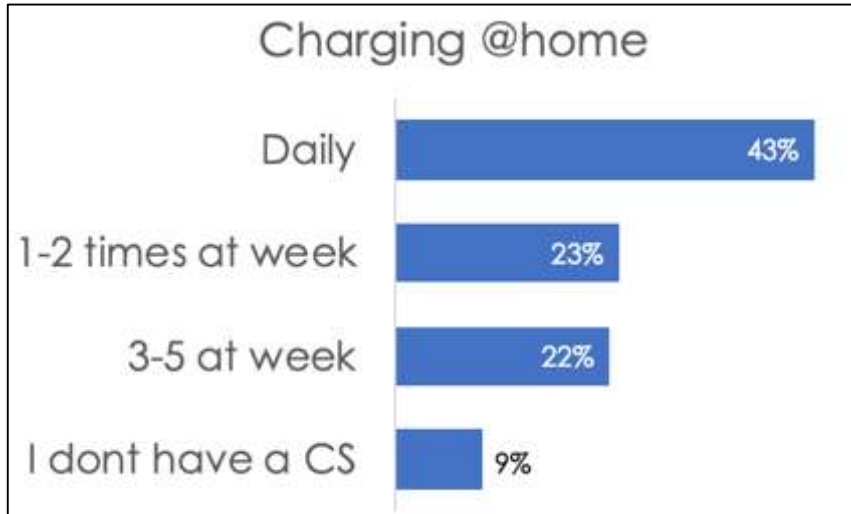


How was your buying experience at the car dealer



Problem 1: CAR DEALERs defer EV procurement.

# EV drivers Survey 2019 – EV Charging patterns

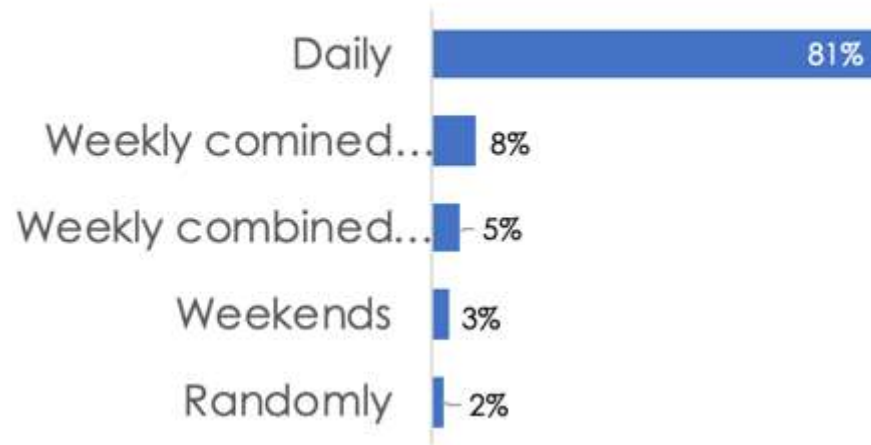


Problem 2: Public charging is key for EV Development. EV are filled 20% on public charging on average

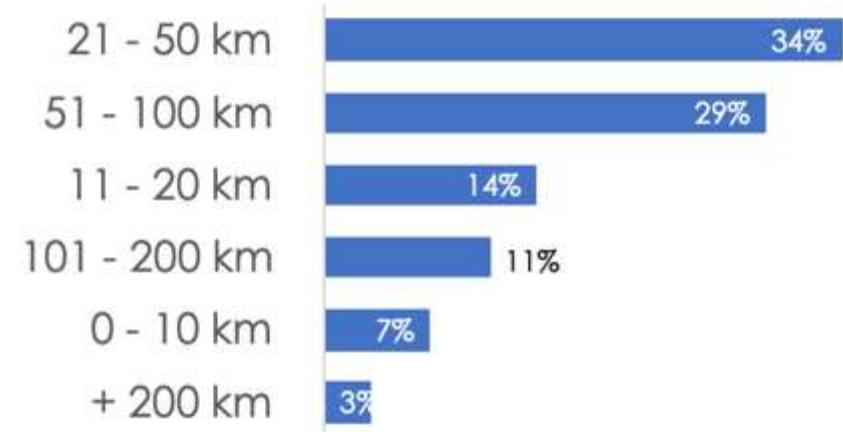


# EV drivers Survey 2019 – Mobility Profile

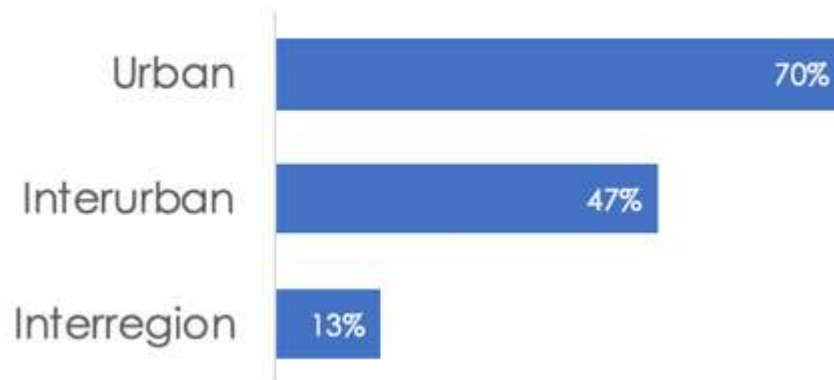
How frequent do you use EV?



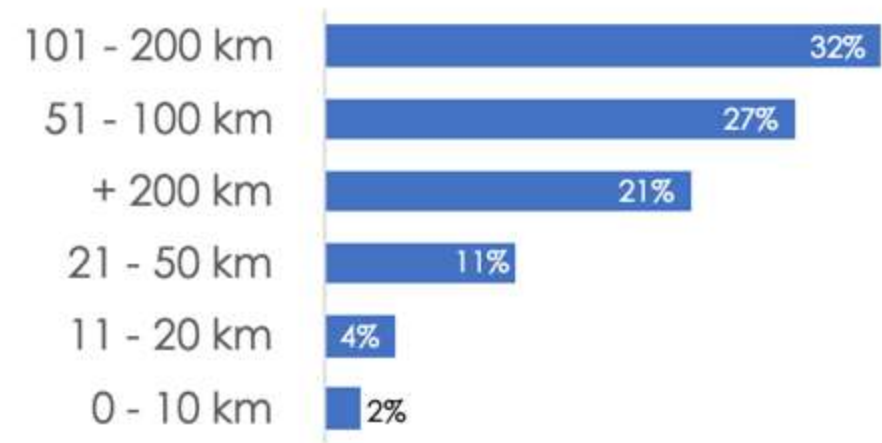
Working day traveled distance



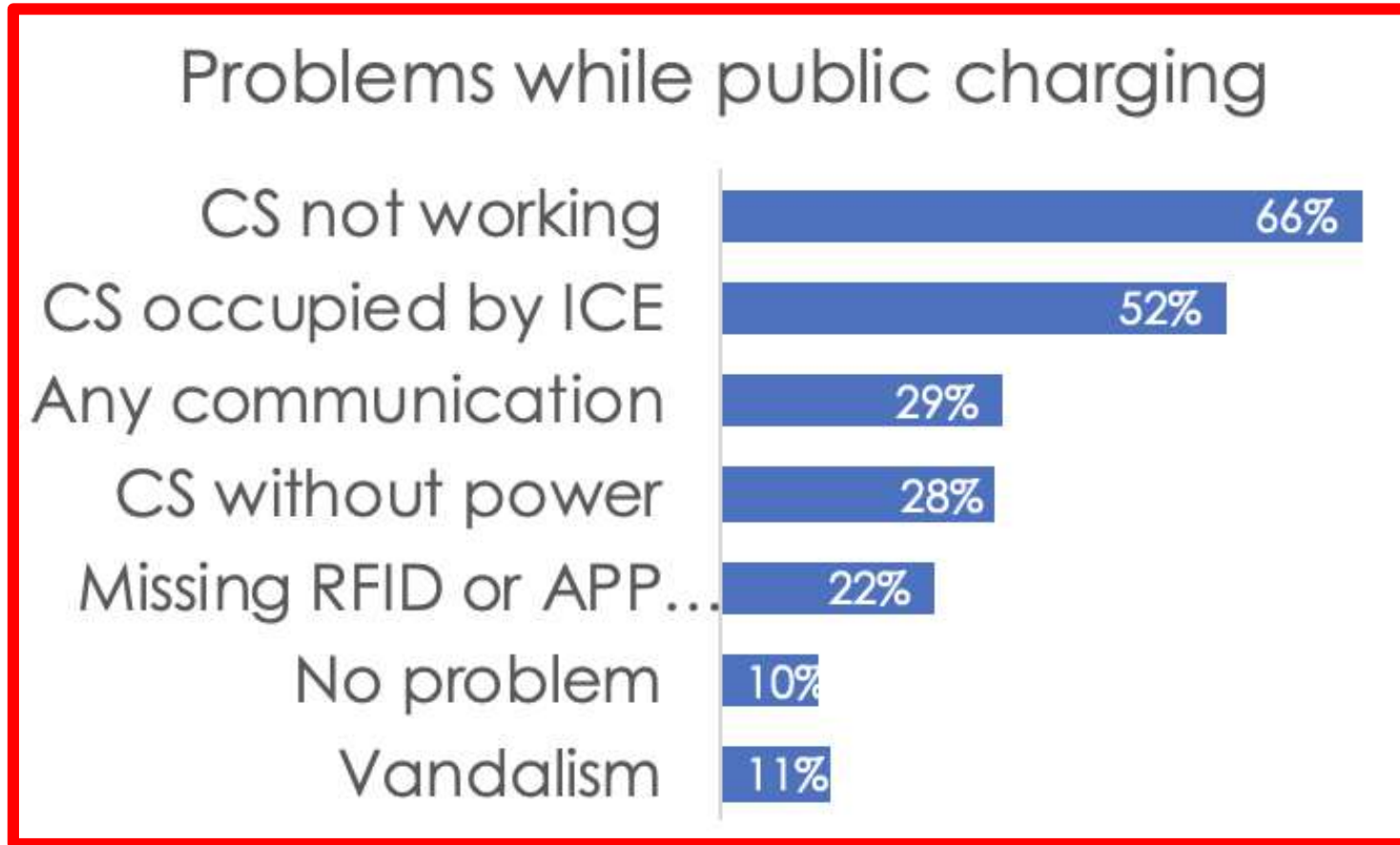
What is your typical mobility pattern?



Weekend traveled distance



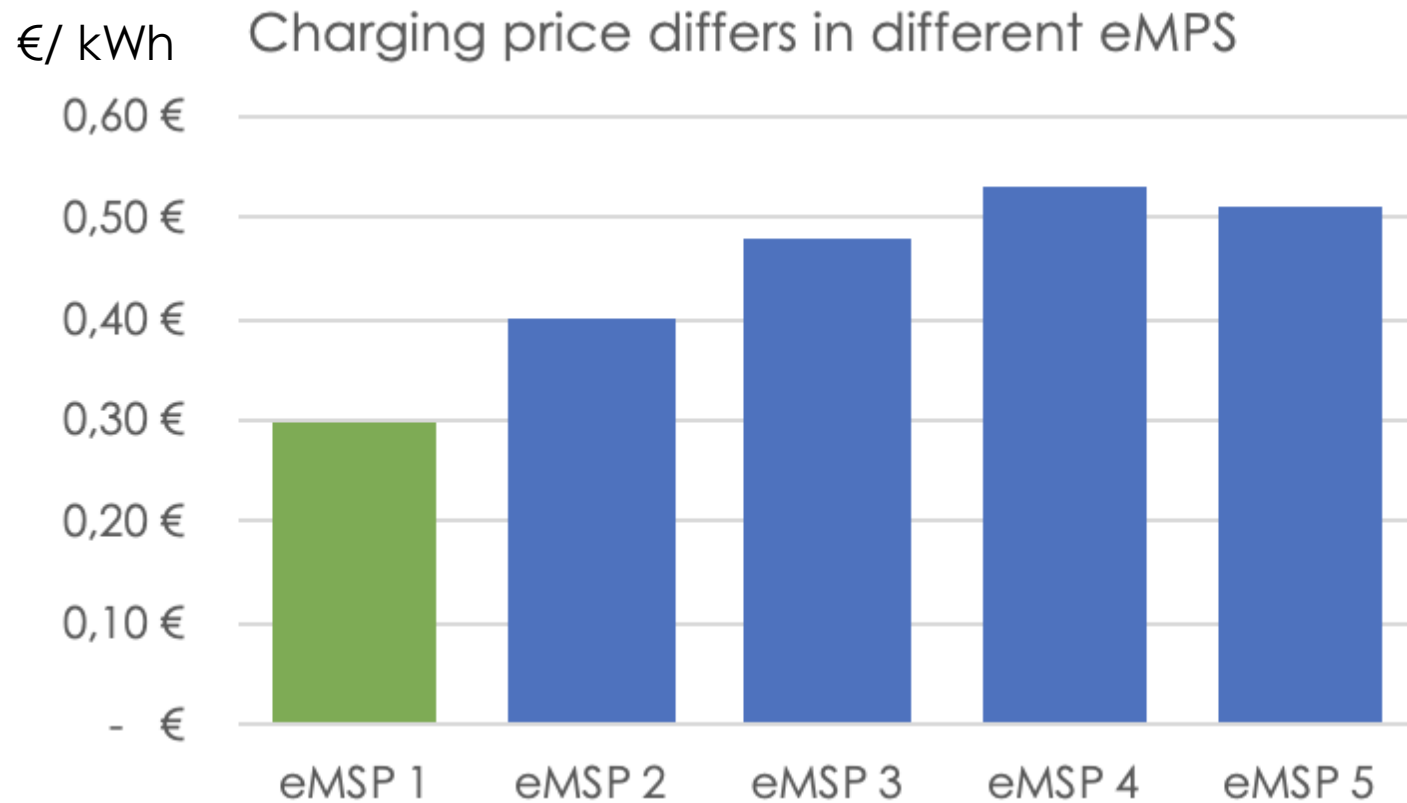
# EV drivers Survey 2019 – Public Charging Problems



Problem 3: CS downtime and maintenance take CPO months to repair.

Problem 4: Not working APP and poor customer service despair many EV drivers.

# EV drivers Survey 2019 – Public Charging Problems

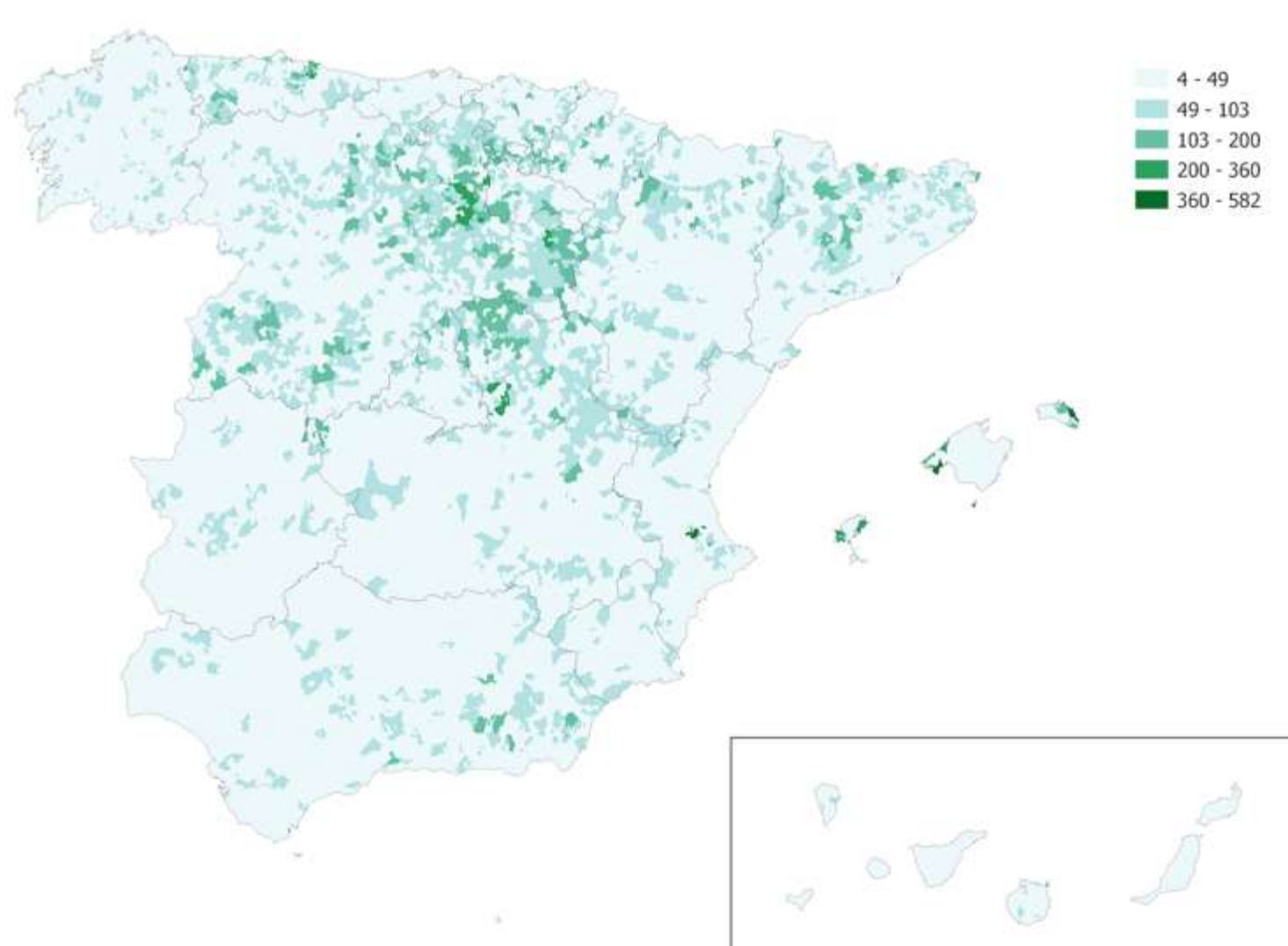


Problem 4: Lack of EV roaming regulation creates up to 73% charging cost differences.

Different commissions set by roaming companies and business models induced to large prices differences among eMSP.

# EV drivers Survey 2019 – EVSE location request

Heat map of EV drivers CS locations request based on Postal Code

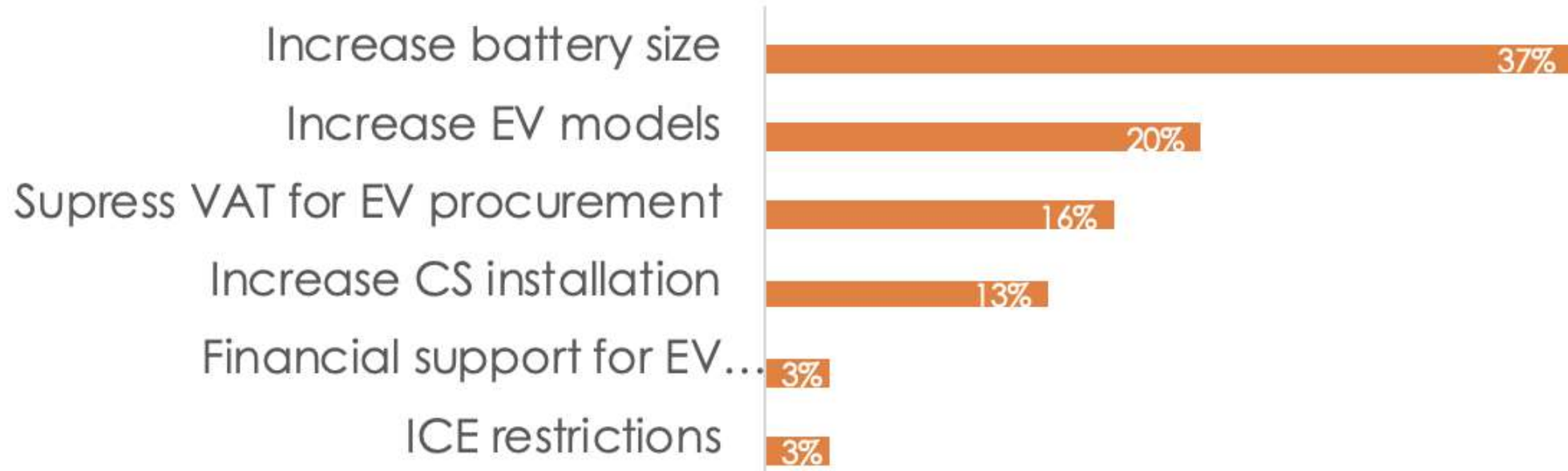


Request EVSE locations are located 200-300km of the EV drivers residence



# EV drivers Survey 2019 – Other

Which measurments will increase EV adoption



Problem 5: Lack of available EV models in the market, still and issue in 2020.

# ELECTROMAPS VIEW

## VALUE PYRAMID for the EV Driver

### EV DRIVER'S VALUE PYRAMID

- 1.- Where are ALL charging stations located?
- 2.- Are they working? Are they occupied?
- 3.- How can I use them?

### EVSE OWNER VALUE PYRAMID

- 1.- Visibility and EV drivers attraction
- 2.- Monitoring & Control & Billing & Roaming
- 3.- Outsourced EV driver daily operation & hotline

# Questions?



**Javier Julve**

Business Development

[javier@electromaps.com](mailto:javier@electromaps.com)

[www.electromaps.com](http://www.electromaps.com)