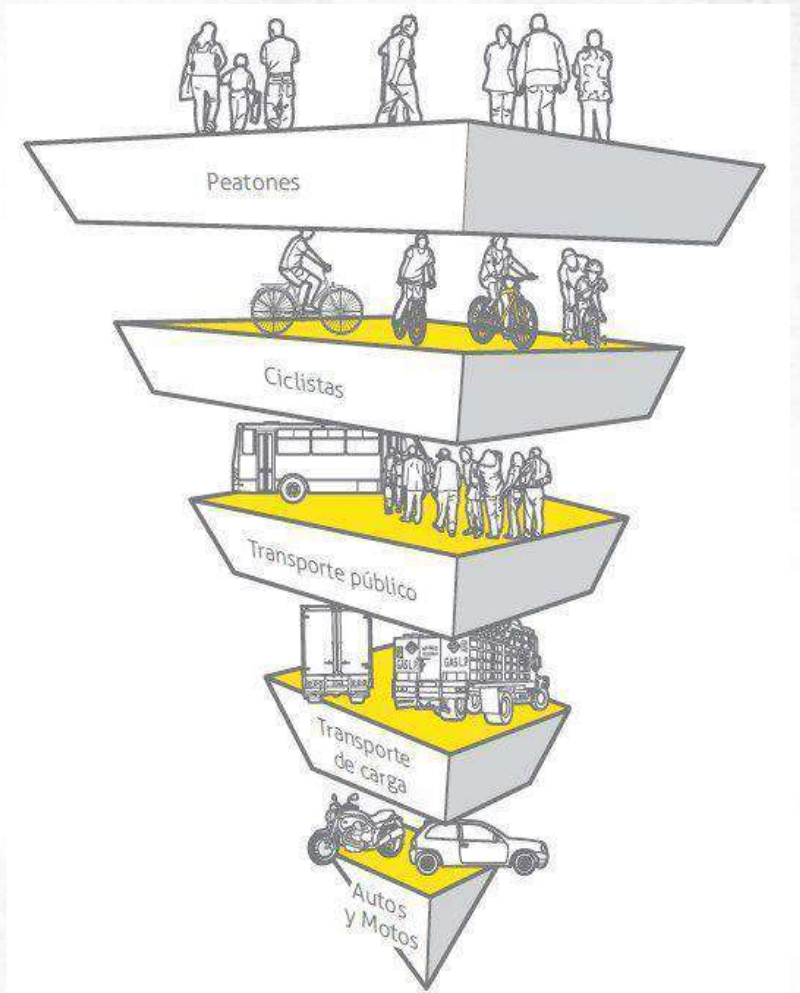




PMUS

Plan de Movilidad Urbana Sostenible
Hiri Mugikortasun Jasangarriaren Plana

Bilbao

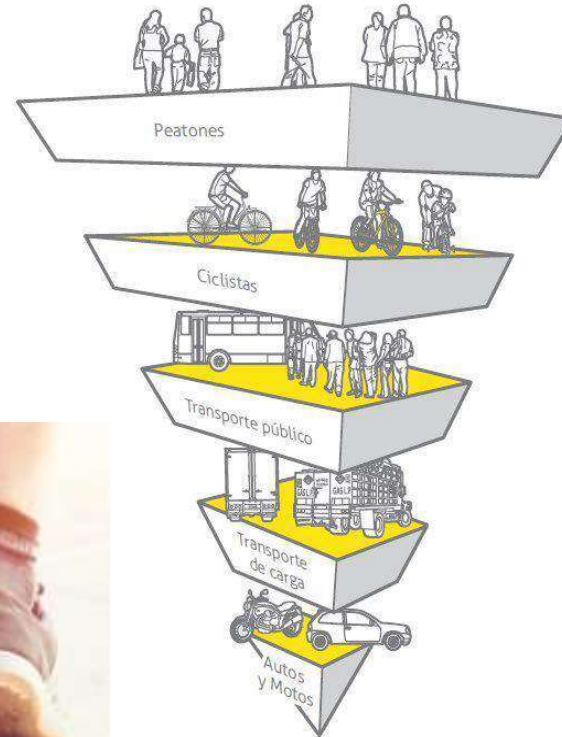
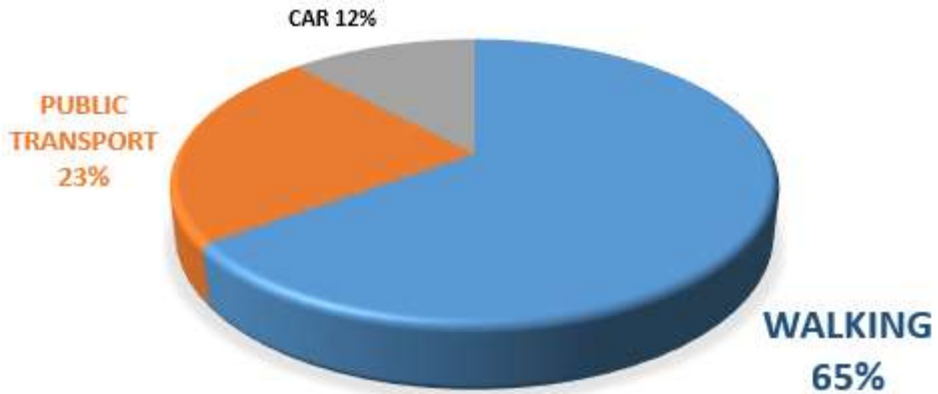




Bilbao leads the commitment to sustainable mobility in Spain

June 2019

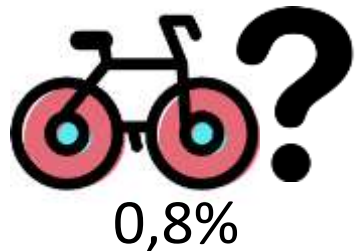
MODAL SPLIT
2018



BILBAO 30!

Recovery of pedestrian areas

Push cycling from 0,8% to 4%





Transversal actions

1 Speed 30

Goal:
Traffic calming and improvement in population health

Expected benefits

Improve the health of the population.

Improve the conditions of pedestrian and cycling journeys.

Strengthen security for these groups.

Reduction of fuel consumption, greenhouse gases and particle emission.



Since may 19:

Only on **75** of the **577** existing roads in the city, a maximum speed of **50 km/h** will be allowed.



Strategies and proposals - Actions. Environment

8.1

- 1- CO2 emission reduction
- 2- Improve city's air quality
- 3- Reduce noise pollution

Main goals

8.1.1. Promote the transition from combustion vehicles to electric vehicles.

Maintain current tax benefits regarding the Tax on Mechanical Traction Vehicles.

Establish incentives for parking in regulated areas.

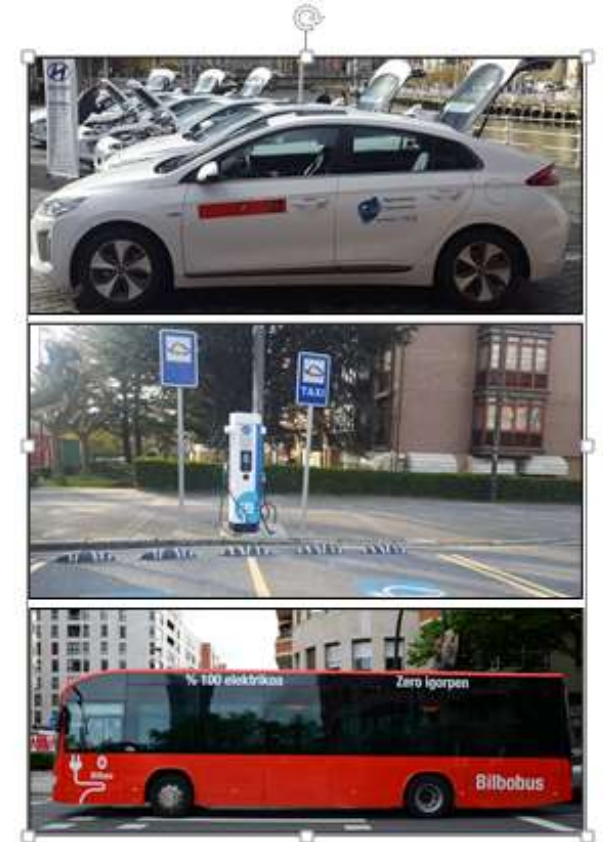
Develop a plan for the implementation of **electric stations** and promote the installation of charging points in municipal parkings.

Study in the future restriction formulas for polluting vehicles.

Promote the acquisition of **municipal electric vehicles**, including buses.

Act on the taxi sector so that from 2020 all new vehicles must be **0 emissions** and by 2030 the whole taxis must be 0 emissions.

Concrete Actions



Bilbao



WHAT HAVE WE REALLY DONE REGARDING ELECTROMOVILIT

- We have installed up to **8 fast charging stations** (50 kW)
- We are about to publish an own made **Electromobility Website**
- Last three years we have had **grants for Taxi** drivers [23 are 100% electric taxis]
- We offer grants for EV users on municipal parkings (2 hours of **free parking while charging**)
- **Recharging points** installed in municipal parkings (for internal use) [108 electric + 25 hybrid vehicles]
- **Workshops about EV** (for driving schools, car dealers and logistic operators)



Bilbao Movilidad Eléctrica

BIENVENIDO A LA PÁGINA WEB DE ELECTROMOVILIDAD DEL AYUNTAMIENTO DE BILBAO

? PREGUNTAS FRECUENTES << INICIO

¿Cuánto contamina el vehículo eléctrico?
Los vehículos 100% eléctricos no contaminan al circular. En el caso de los híbridos enchufables es de alrededor de 60g de CO2 por Km y en de los vehículos de autonomía extendida de cerca de 40g de CO2 por km. Puedes encontrar más información en la sección "Ventajas del vehículo eléctrico" y en "Mitos y verdades".

¿Cuánto dinero cuesta recargar un vehículo eléctrico?
El coste de recargar el vehículo eléctrico dependerá de la tarifa contratada y de la capacidad de la batería del vehículo. Por lo general, cada kWh tiene un precio medio que oscila entre los 0,07€ de noche y los 0,15€ de día. Para calcular cuánto te costaría la recarga completa de la batería, habría que multiplicar el precio de cada kWh por la capacidad de la batería medida en kWh. Por ejemplo, recargar completamente en horas valle una batería de gran capacidad de 64 kWh (que promete una autonomía cercana a los 500 km), podría suponer un coste ligeramente mayor que 4 €. Puedes encontrar más información en la sección "Ventajas del vehículo eléctrico".





WHAT ARE WE DOING NEXT YEAR 2020 REGARDING ELECTROMOVILITY??

- We will offer grants for Urban Logistic Operators (12.000€/vehicle)
- Increase number of electric buses (currently 6, increase of 2 more units)
- Study of management models of charging points and interoperability in state cities
- Workshops for citizens periodically, radio space, street marketing with EV, demos,...
- App for monitoring urban mobility of vehicles (starting from electric DUM)
- App for sustainable, efficient and responsible driving (gamification and rewards)



- Free on-Street parking for EV?





NISSAN ENV200

280



RENAULT KANGOO

270



PEUGOT PARTNER

170



**EV
MARKET**

120

MASTER ZE



150

IVECO DAILY



150

GRUAV ELECTRON II



208

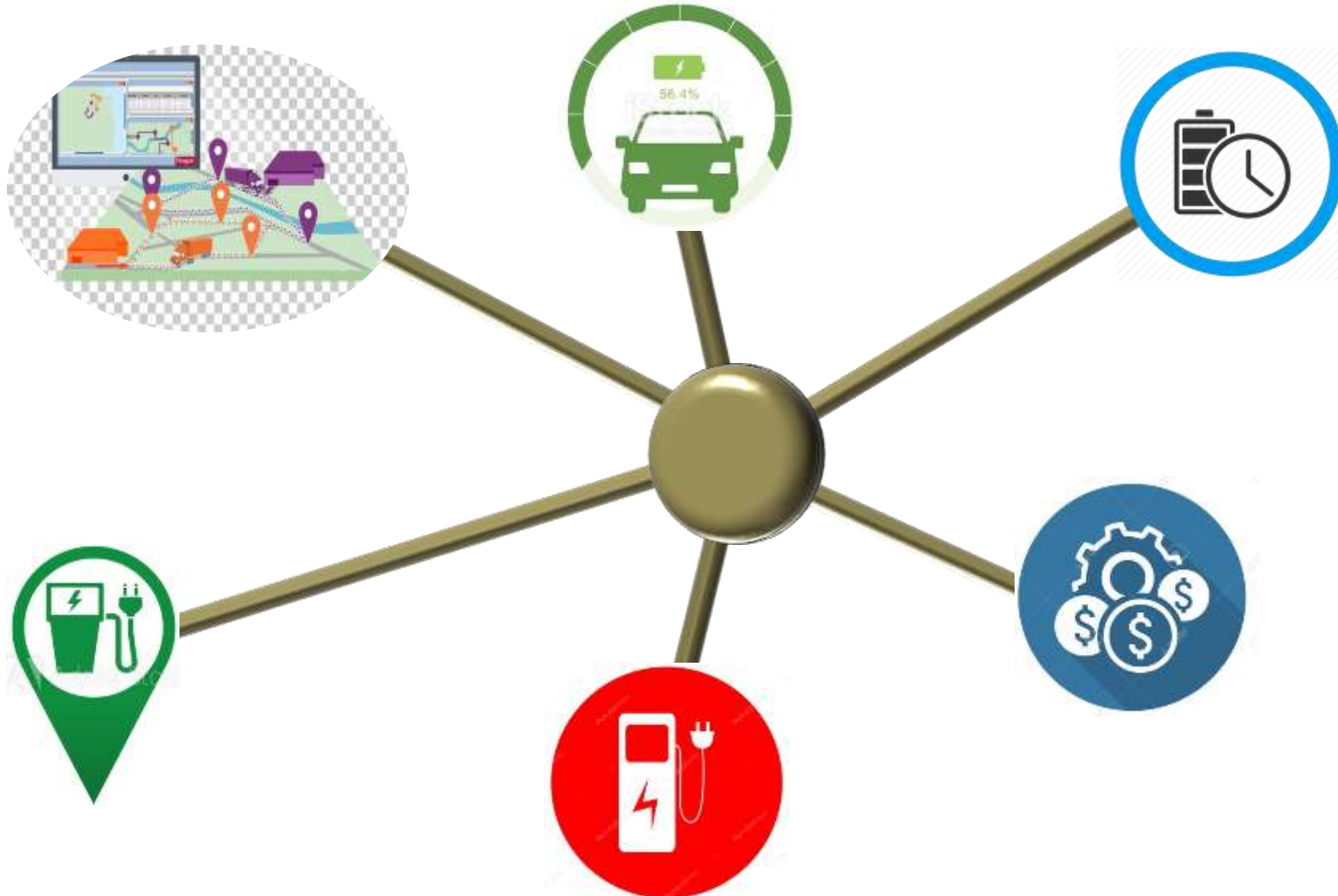
VW E-CRAFTER



190

MERCEDES E-VITO







Bilbao Urban Freight Forum:

- Consultation
- Working Group meeting



Some enablers:

- Regulation
- Incentives
- Information / TOC
- Training