




NR.	SECTION	DESCRIPTION
0	Photographs	 
1.	Title of the practice	Short – term electric vehicle rental at bus ticket price in Sagunto (P1)
2.	Precise theme/issue tackled by the practice	Short-term electric vehicle rental without the need for purchase, contributing to sustainable mobility and being respectful with the scarcity of resources (oil, air, space).
3.	Objectives of the practice	Provide sustainable public transport based on the short-term rental of totally electric vehicles.
4.	Location	<ul style="list-style-type: none"> - Country: Spain - Region, district or county: The village of Sagunto in Valencia Region. - Population: 65.595 inhabitants - Area: 6.632 km² - Population density: 496,93 ppl/km² 
5.	Detailed description of the practice	<p><u>Origin:</u> Due to unsustainable emissions, the European Transport Strategy establishes that EU countries should reduce greenhouse emissions by 20% in 2020. Furthermore, European countries should have a 0% combustion of conventional vehicles in 2050 (this means the elimination of petrol and diesel cars).</p> <p><u>Timescale:</u> Start of activity: year 2008.</p> <ul style="list-style-type: none"> • Number of registered users (2012): 100. • Main Client Age Group: 25-50 years. • It is a pioneering activity in Spain and one of the first experiences with electric vehicles in Europe. • Fleet of 8 electric cars. • 2 car sharing stations located in different parts of the town.

- Each station has parking capacity for 6 vehicles.
- The car is recharged when it is parked.
- Rates according to the kilometers of the journey and the time of use.
- Economic prices and affordable for population (The hourly rate is 1 € every 15 minutes and the tariff for distance is 0.25 € / km).

Bodies involved/implementation:

- The financing: Ministry of Development of Spain and Valencian Energy Agency (AVEN).
- Collaborates: Municipality of Sagunto.
- Executed by: Movilidad Urbana Sostenible S.L. (MOVUS)
- Aimed to: General public, both frequent and occasional users.

Process and detailed content of the practice:

Development: Registration:

- Step 1: Fill in the online application form.
- Step 2: Your contract will arrive by post. Send us your signed contract along with your signed bank direct debit consent and a photocopy of your driving license and national identity document.
- Step 3: To speed things up, send your documents by fax or e-mail. When your request has been processed and approved, we will contact you.

Vehicle Pick up:

- Step 1: Swipe the card through the reader at the charging station, which will allow you to recharge the vehicle.
- Step 2: Place the user card in the card reader on the left hand side of the windscreen. Keep the card in position and wait until the reader light goes from yellow, reserved, to red, in use.
- Step 3: Enter the car and find the car keys in the side of the driver's door. The onboard computer will confirm your reservation.

Returning back the vehicle:

- Step 1: On returning to the E.sharing station, switch off the lights, disconnect the vehicle and choose RETURN VEHICLE on the onboard computer.
- Step 2: Plug the vehicle into to the socket.
- Step 3: Swipe the card through the reader, checking the car is locked and that the reader light changes from "in use" to "free".

Legal framework:

The collaboration of the Municipality of Sagunto was very important due to:

- Permissions to install charging points.
- Concession to occupy public streets.

The good practice is a measure proposed by the Ministry of Development listed in:

- Plan savings and energy efficiency in transport and housing.

Financial framework:

The whole project has cost around one million Euros, of which:

- Have been financed by the Ministry of Development and the Valencian Energy Agency.
- 270,000 Euros were earmarked for the company that manages the project (Movus).

Some expenses:

- Each charging point costs 4,000 Euros.
- Each vehicle cost about 24,000 Euros.

Use degree (%): users/total population:

100 people have been registered from 2008 to 2012.

6. Evaluation

Possible demonstrable results (through indicators):

- Avoids the need to buy and maintain a private vehicle.
- Rationalizes car use, reducing the amount of kilometers travelled.
- Similar experience in other countries shows that car sharing systems save approximately 4.5 times the cost of an equivalent length journey in a private vehicle.
- Allows for a more intelligent kind of mobility: using the most adequate transport means of each journey.
- Each car sharing vehicle avoids the use of between 6 to 9 privately owned cars.
- Integrates with other sustainable transport types (public transport, walking and bicycle).
- Traffic and associated congestion reduction.
- Less petrol consumption.
- Reduction in CO₂ emissions.

economic and energy savings	foresight 2012
petrol savings in litres	9.450
energy saving (ETP)	7.22
emissions savings (tones CO ₂)	24.6

	<p><u>Possible success factors:</u></p> <ul style="list-style-type: none"> • Flexibility: Clients use the vehicle for as long as they wish, unlike conventional car rental. • This initiative has received numerous prestigious awards. • Currently the activity is spreading to other areas of the province of Valencia. <p><u>Difficulties encountered:</u></p> <p>A high initial investment is required to make this project feasible.</p>	
7.	<p>Lessons learnt from the practice</p>	<p>Car sharing systems save approximately 4-5 times the cost of an equivalent length journey in a private vehicle.</p>
8.	<p>Contact information</p>	<p>MOVUS - Movilidad Urbana Sostenible, S.L. Phone: + 34 96 135 11 50 E-mail: info@movus.es</p>