

SUSTAINABLE MOBILITY ACTIONS

PLAN MOVEM + MOBIRURAL

Área de Desarrollo Rural y Sostenibilidad
14 de septiembre de 2022.



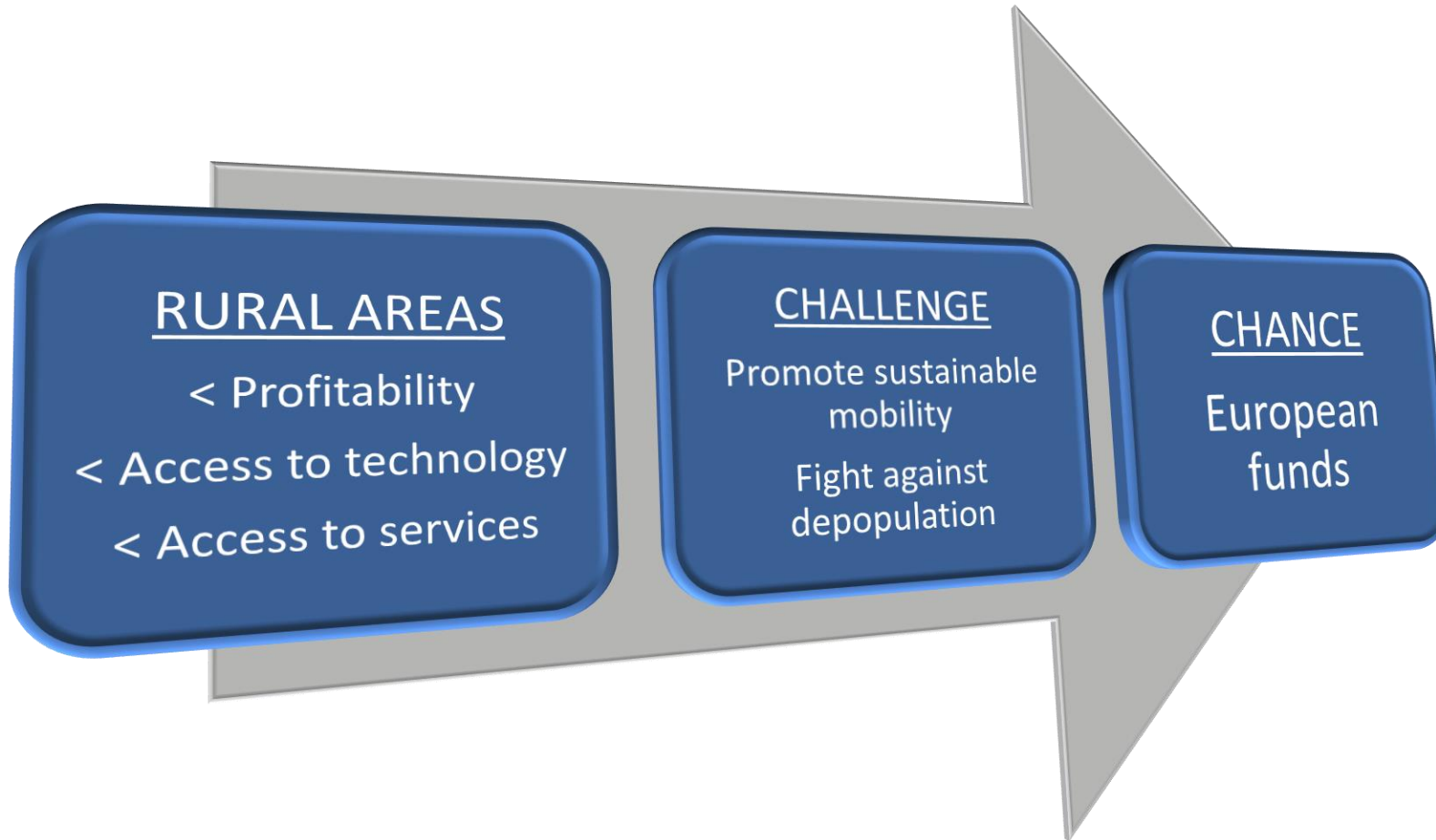
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Mobility for European Rural Areas” Prog.n.
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E10010948

INCENTIVE





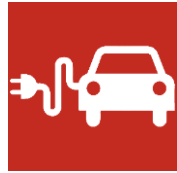
M O V E M

Plan de Movilidad de Vehículos Eléctricos en Municipios



**DIPUTACIÓN
DE BADAJOZ**

OBJECTIVES



PROMOTION OF THE
ELECTRIC VEHICLE



ACCESS TO EV CHARGING IN
THE PROVINCIAL TERRITORY

BUDGET

7

MILLIONS OF EUROS



JOINTLY FINANCED BY THE
EUROPEAN UNION

ACTIONS WITHIN PLAN MOVEM

200

**ELECTRIC VEHICLES DELIVERY
ONE TO EACH MUNICIPALITY
OF THE PROVINCE**



32

**CHARGING STATIONS
MAKING UP A PROVINCIAL
NETWORK**



ELECTRIC VEHICLES DELIVERY. PLAN MOVEM



185 EV FOR MUNICIPALITIES AND
15 EV FOR THE OWN FLEET OF DIPUTACIÓN DE BADAJOZ

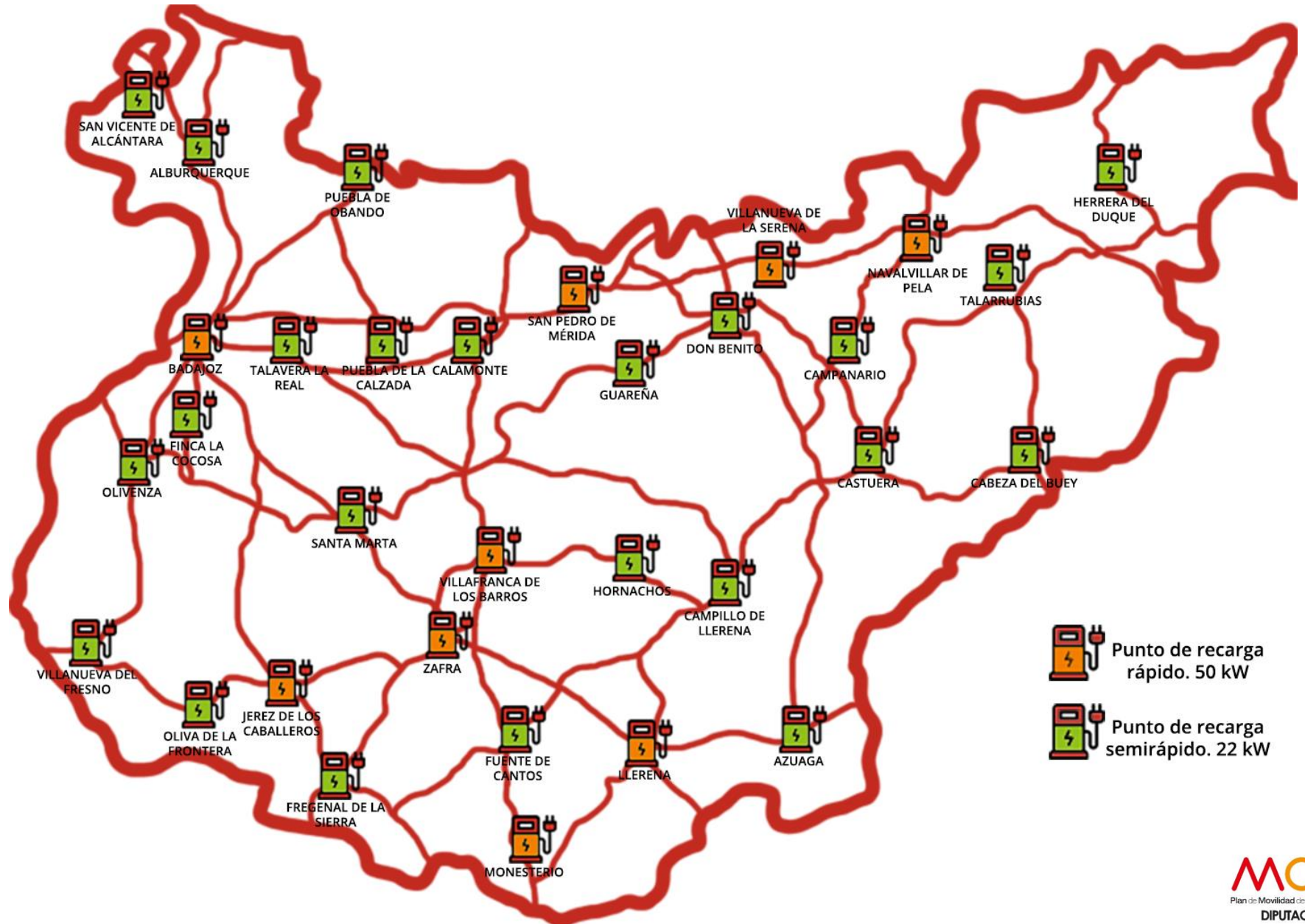
- PROMOTION OF THE ELECTRIC VEHICLES IN ALL THE **MUNICIPALITIES** OF THE BADAJOZ PROVINCE, COVERING A POPULATION OF 675.000 INHABITANTS
- REDUCTION OF CO₂ EMISSIONS: APROX. 1,5 MILLIONS KM COVERED PER YEAR → REDUCTION OF 150.000 KgCO₂/Year
- REDUCTION OF EXPENDITURES OF MUNICIPALITIES (FUEL AND MAINTENANCE) → REDUCTION OF 100.000 €/Year
- MUNICIPALITIES ACQUIRING MORE ELECTRIC VEHICLES DUE TO THE GOOD EXPERIENCE



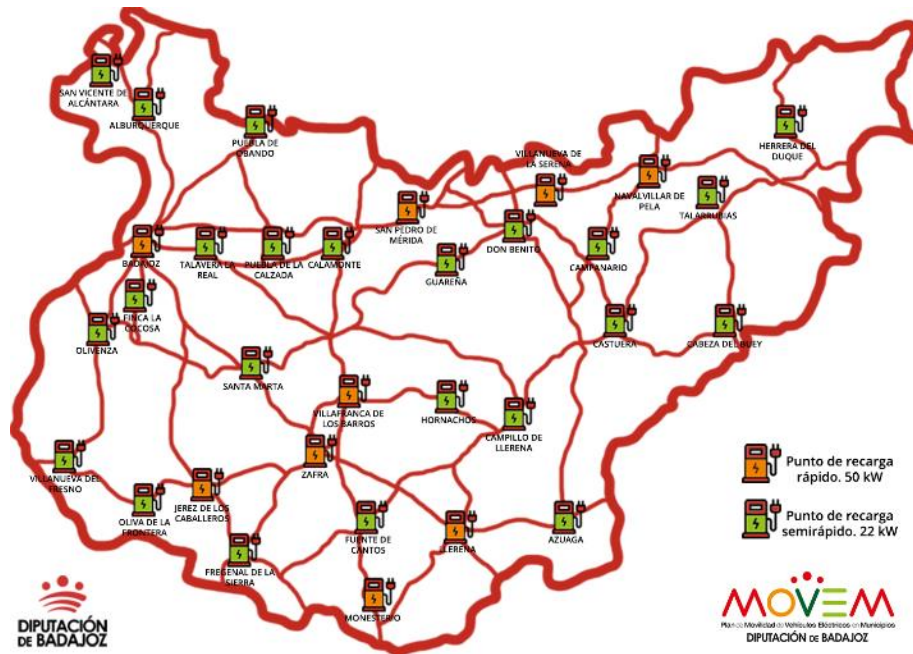
- **Development of a sustainable mobility strategy**
- **Provincial network of charging stations**
- **Application of ICT to energy management**
- **Energy savings and reduction of CO₂ emissions**



PROVINCIAL NETWORK OF EV CHARGING STATIONS. MAP



PROVINCIAL NETWORK OF EV CHARGING STATIONS. MAIN DATA



- **23 CHARGING STATIONS 22 KW (AC)**
(2 MENNEKES)
- **9 CHARGING STATIONS 50 KW (AC/DC)**
(1 COMBO + 1 CHADEMO + 1 MENNEKES)

NETWORK CAPACITY TO HANDLE SIMULTANEOUSLY

64 EV

- **55 AC CONNECTIONS (MENNEKES)**
- **9 DC CONNECTIONS (COMBO/CHADEMO)**

PROVINCIAL NETWORK OF EV CHARGING STATIONS. PRESENT CONDITION



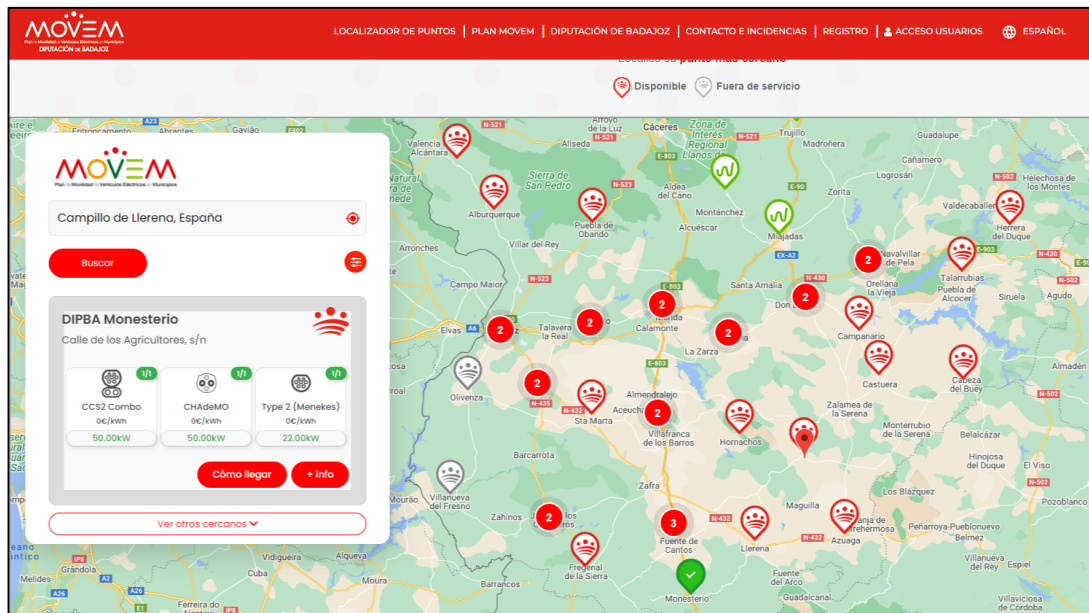
100 %
FINISHED

30
CHARGING
STATIONS ON
SERVICE

PROVINCIAL NETWORK OF EV CHARGING STATIONS. HOW TO ACCESS

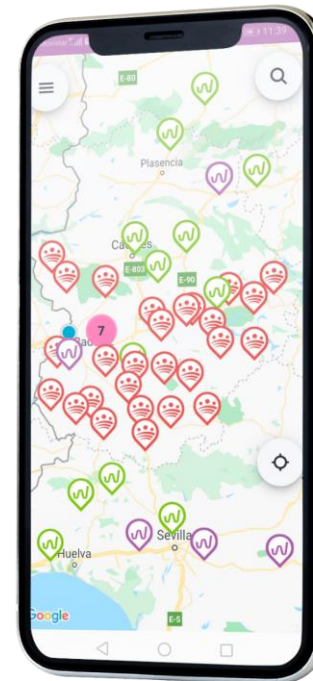
WEB

WWW.MOVEMBADAJOZ.ES



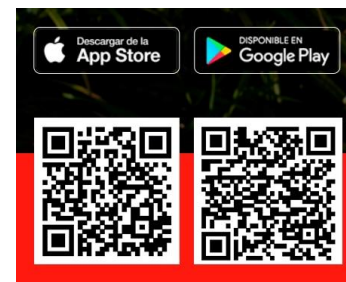
APP

WENEA



CARD

RFID



PROVINCIAL NETWORK OF EV CHARGING STATIONS. MANAGEMENT (BACKOFFICE)

PRIVATE MANAGEMENT PLATFORM (BACKOFFICE)

MOVEM
Plan de Movilidad de Vehículos Eléctricos en Municipios
DIPUTACIÓN DE BADAJOZ
powered by Wenea

Charging Sessions

From 2022-05-31

Tx	CP	Conn.	Owner	Start	End	Duration	Energy
35014	DBJZ_BADAJOZ	3	APP	2022-06-07 07:54:20		00:18:29	0.63 kWh
35013	DBJZ_MONESTERIO_1	2	APP	2022-06-07 07:47:30	2022-06-07 08:00:23	00:12:53	1.89 kWh
35012	DBJZ_FREGENAL_1	2	APP	2022-06-07 07:40:22		00:31:53	5.71 kWh
35001	DBJZ_FUENTECANTOS_1	2	APP	2022-06-06 22:44:50	2022-06-07 00:12:35	01:27:45	
35000	DBJZ_BADAJOZ	1	APP	2022-06-06 22:38:53	2022-06-06 23:51:19	01:12:26	
34997	DBJZ_BADAJOZ	1	APP	2022-06-06 21:18:42	2022-06-06 21:43:50	00:25:08	
34994	DBJZ_BADAJOZ	2	APP	2022-06-06 20:46:24	2022-06-06 20:53:47	00:07:23	
34992	DBJZ_FREGENAL_1	1	APP	2022-06-06 20:30:10	2022-06-06 23:08:35	02:38:25	
34988	DBJZ_BADAJOZ	3	APP	2022-06-06 20:08:07	2022-06-06 21:38:41	01:30:34	
34987	DBJZ_ZAFRA_1	1	APP	2022-06-06 20:04:13	2022-06-06 20:46:37	00:42:24	
34981	DBJZ_ZAFRA_1	1	APP	2022-06-06 19:28:51	2022-06-06 19:45:11	00:16:20	
34980	DBJZ_BADAJOZ	3	APP	2022-06-06 19:23:39	2022-06-06 19:24:03	00:00:24	
34977	DBJZ_SANPEDRO_1	2	APP	2022-06-06 19:01:36	2022-06-06 19:49:42	00:48:06	

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Charge Points

Charging session

Charge point: **DBJZ_BADAJOZ** Connector: **1** Transaction: **35000** State: **Finalized**

ENERGY: **34,81 kWh** POWER AVERAGE: **28,83 kW** DURATION: **1 h 12 m**

POWER: **29,3 kW** BATTERY: **62%** VOLTAGE: **240,33 v** CURRENT: **40,73 A**

Start Method: Remote (2022-06-06 22:38:16) Start: 2022-06-06 22:38:53 Stop Method: Remote (2022-06-06 23:50:41) Stop: 2022-06-06 23:51:19

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Charge Points

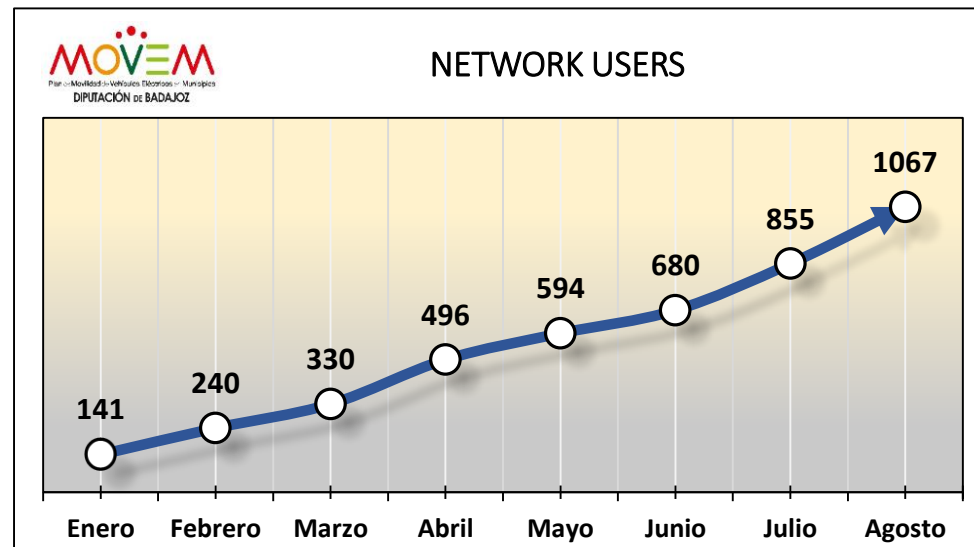
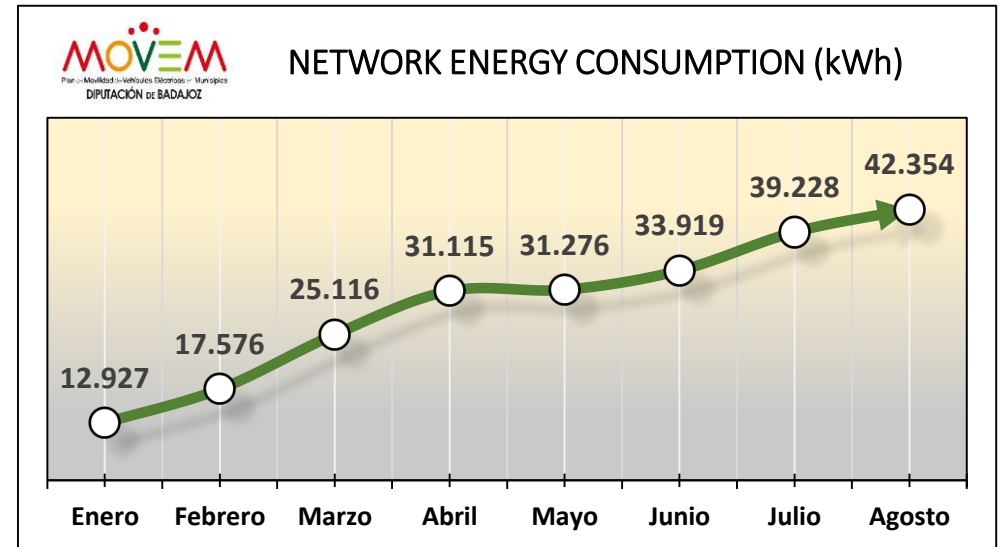
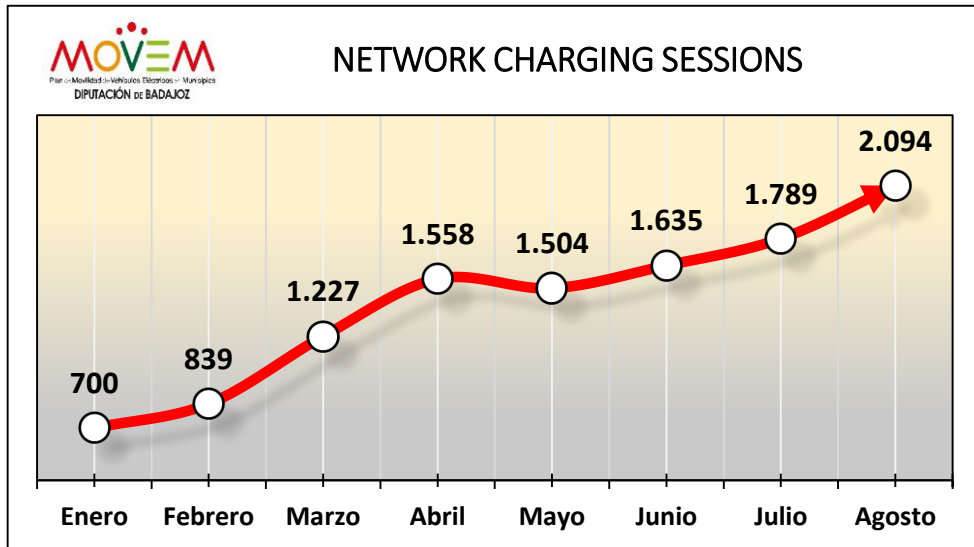
Charge points filter by name

32 LOCs

Mapa Satélite

The map displays the provincial network of EV charging stations in Badajoz, Spain. The stations are represented by numbered icons (1, 2, 3) overlaid on a geographical map. The map shows various towns and regions, including Gavião, Membrio, Brozas, Casar de Cáceres, and others. The icons indicate the location and possibly the number of charging points at each station.

PROVINCIAL NETWORK OF EV CHARGING STATIONS. USAGE MAIN DATA



MOBI RURAL



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MOBIRURAL PROJECT - KEYS

KEYS

Commitment with CO₂ emissions reduction and decarbonisation

Adapt sustainable mobility options to rural areas: Low population, long distances, ageing of the population...

Challenge low population density equal to greater costs

Rural areas = Less transport services

Rural areas = Lack of information about mobility

New social patterns: Favour access to work, health services, public administration procedures or free time activities.

MOBI
RURAL

MOBIRURAL PROJECT - OBJECTIVES

Promoting efficient and sustainable rural mobility and the uptake of new mobility strategies and technologies in rural areas

Capitalise and promote the use of digital tools and new technologies for mobility in rural areas

Elaborate on a framework to set the basis of a European curriculum for rural mobility agents

Creation of a cooperative network for the promotion of policies and initiatives for rural mobility

OBJECTIVES

MOBIRURAL PROJECT - RESULTS

Set the basis for the development of a curriculum for European agents for rural mobility

Develop a practical and dynamic training program and training platform for rural development agents working in rural areas

Training course on mobility for rural areas

E-platform for the implementation of the training, auto evaluation tool, and the promotion of best practices, exchange of experiences and improvement of policies towards rural mobility

RESULTS

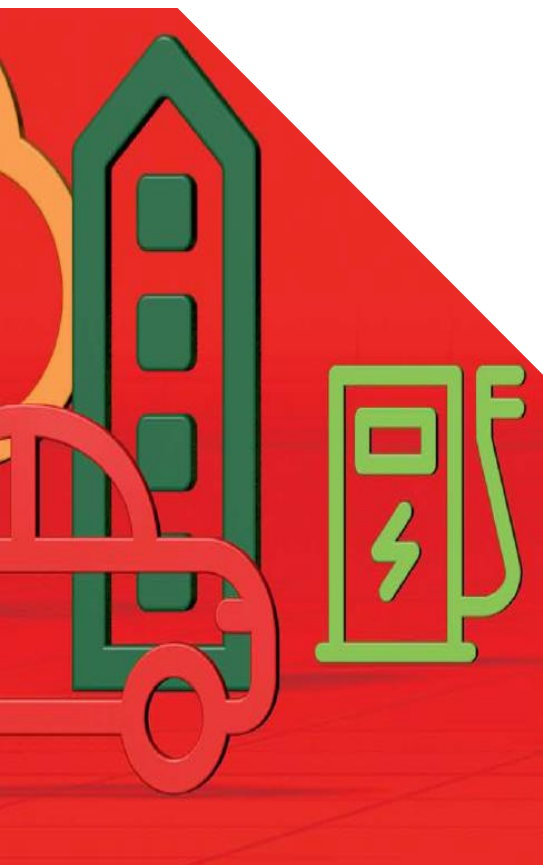
PARTNERS

IKEM



**MOBI
RURAL**





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**DIPUTACIÓN
DE BADAJOZ**

GRACIAS



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