



# CIEZA ACTION PLAN

# E-MOB





# ACTION PLAN FOR THE REGION OF CIEZA



## Part I – General information

Project	E-MOB
Partner organisation concerned	Municipality of Cieza
Country	Spain
NUTS2 region	ES62. Cieza, Region of Murcia
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## Part II – Policy context

The Action Plan aims to impact	Investment for Growth and Jobs programme European Territorial Cooperation programme Other regional development policy instrument
Name of the policy instrument(s) addressed	EDUSI. CIEZA 2025 INCLUSIVE CITY

### Further details on the policy context and the way the action plan should contribute to improve the policy instruments

Cieza 2025 Inclusive City is a global city strategy, integrated and harmonised between the different key areas of the municipality: economic, environmental, climatic, demographic and social. It was developed to overcome the challenges faced by European cities, produced by the current socio-economic and environmental situation.

The Sustainable and Integrated Urban Development Strategy (EDUSI) Cieza 2025 Inclusive City initiates a process of urban transformation that will culminate by the end of 2023 and has a total budget of 6,250,000€. It was awarded in national call with 80% funding of its budget by the ERDF (European Regional Development Fund). The remaining 20% will be a contribution of the City Council of Cieza.

The actions to be implemented are articulated under four thematic objectives:

- New technologies and Smart city.



- Protect the environment and foster the efficiency in the use of resources.
- Foster social inclusion and fight against poverty.
- **Support the shift towards a low carbon economy (OT4).**

The last one, 'Support the shift towards a low carbon economy' has the general aim of reducing the use of motor transportation modes for local movements by increasing low carbon solutions for the population. This thematic objective includes lines of action to be developed until the end of 2023. All of them have an estimated budget and resulted from a participatory approach among municipality staff and stakeholders. For the lines of action implementation, specific measures are being defined, and, for OT4, the learning process of E-MOB project has resulted in the definition of one of them.

Inside this OT4, the e-mobility plays a key role. In addition, there are five key documents which supports this policy instrument:

- Sustainable Urban Mobility Plan of Cieza (SUMP).
- Local electric vehicle strategy (ELVE) as a review of the PMUS.
- Bicycle Master Plan.
- Sustainable Energy and Climate Action Plan (SECAP)
- Urban Agenda of Cieza.

All of them address the mobility modes in Cieza and contributes to the OT4 by promoting more sustainable modes of transport and the transition towards e-mobility.

### Part III – Details of the actions envisaged

#### ACTION 1

Name of the action **EV charging station with PV supply**

##### Relevance to the project

Alongside the interregional learning process, two aspects have been highlighted several times: it is important that the energy supply comes from clean sources and the public authorities should foster the transition to e-mobility by also being exemplary for its citizens.

Therefore, the municipality of Cieza will develop an EV charging station with photovoltaic (PV) supply for its public vehicles and the general public. The station will be located in a strategic location for users' convenience. This measure will be joined with dissemination and communication actions in order to transmit the benefits of e-mobility and renewable energies.

The PV installation will have an estimated power of 11kW and a surface of 70 m<sup>2</sup>. It will be completed with three charging points with double sock. The PV charging station will be used by the municipality fleet as well



as by the whole citizenship. Specific technical details about it will be addressed during the development of the project draft, the first activity to be conducted in the framework of the action.

The action will have the main objective of reducing the emissions of the municipality fleet and the private transport sector, while creating awareness among the municipality. The action may be replicated in other municipality areas, as well as in other municipalities and regions.

## **Origin of the action**

### **Learning process from transnational level**

During the transnational learning phase of the project, several activities were carried out by the partnership in order to exchange information and better know best practices from other regions.

The most important action was the organization of peer reviews in which they identified and shared with the whole consortium valuable experience and best practices from their respective regional situation. Thanks to this, partners went on to review and identify the most relevant best practices validated by the project in a perspective of transfer and adaptation to draw up well-grounded regional action plans.

From all these activities, the municipality of Cieza selected two Good Practices which are the origin of this action:

- Good Practice 1 from the Vorarlberg University of Applied Sciences: “vw VLOTTE – creating charging solutions and charging infrastructure for e-mobility”. In which they started with 50 E-vehicles and a photovoltaic system on the 1400 m<sup>2</sup> roof area.
- Good practice 1 from the Research Committee of the University of Western Macedonia: “The municipality of Kozani PV-charging stations and EVs”. The municipality of Kozani purchased 3 electric vehicles for personnel transport and established a Solar charging station for these EVs.

Both of them are perfect examples of how the integration of renewable energy and charging points is conducted for e-vehicles and good starting points for the transition towards e-mobility. During the peer reviews and the whole interregional process, it was highlighted the importance of the integration of both and this is something that, from the municipality of Cieza, is a priority and one of the most important insights arising from the project. The discussions held during the peer reviews and learning conferences, were key in order define this action.

### **Learning process from regional level**

At regional level, several Regional Stakeholders Groups meetings were held during the project implementation. This has been key for the Action Plan elaboration, as the different good practices identified by partners were shared with the stakeholders in the meetings to get feedback and detect opportunities for their implementation at local level.



## Learning process from municipality level

The municipality willingness of making a sustainable transition towards e-mobility has been another important pillar of the process. Regular meetings were held in order to monitor the project implementation and analyse the good practices presented during the peer review, so the Action Plan elaboration has been a continuous process during the project. Finally, the presented action has been the most relevant one considering all the factors and, therefore, the one selected for its implementation.

Furthermore, in parallel with the Action Plan development, the municipality of Cieza has conducted a survey about e-mobility in which the lack of charging infrastructure in the municipality has been detected as one of the main obstacles for the transition to e-mobility. In the same way, more than 95% of the participants answered positively to the idea of integrating renewable energy with public charging points. These results show that the action to be implemented responds to the citizenship needs and desires.

## Nature of the action

The proposed action will improve the PI by including a new project to be funded by it and which will be the basis for further project proposals. The action implementation will lead to a change in the PI and its lessons learned and results evaluation will be important for future projects and line of actions to be developed on its framework.

In order to produce the aforementioned improvements, it will be necessary to implement the following steps:

- **Project draft:** the technical staff of the municipality of Cieza will develop a project draft containing all the necessary factors for the action implementation. It will include technical aspects as well as the logic behind the project implementation.
- **Presentation to relevant stakeholders:** once the project draft is ready, it will be presented to relevant stakeholders, in which several actors from the RSG will be included, as well as municipality staff.
- **Discussion-negotiation- final project proposal:** after the feedback obtention, the technical staff of the municipality will define a final project proposal, which will be the one presented for funding by the PI.
- **Formal approval of the city council for funding by the PI:** during this step, the final project proposal will be approved for funding by the PI. The top management of the City Council of Cieza will be the one approving it. This will be the key step of the action, as it will be the moment in which the PI will be improved.
- **Public procurement procedures:** after the formal approval for funding by the PI, public procurement procedures will be followed in order to contract an external company which will develop the construction works. In this sense, the process will be opened for several companies and the best value for money offer will be selected.
- **Construction works:** once the awarded company is contracted, the construction works will start. The company will guarantee a satisfactory action implementation as well as the necessary mechanisms for the maintenance of the infrastructure.
- **Monitoring of the action:** from the beginning of the project draft development, until the ending of the action, the municipality staff will monitor and evaluate the whole process. In addition, lessons learned and key indicators will be obtained from it.

The action implementation will lead to several outcomes which are summarized in the following:



- **Lessons learned for PI investments improvements:** the results of the initiative and the acceptance among the citizenship and the municipality staff will be inspiring for future PI investments and replication activities.
- **Public procurement process with sustainability criteria:** the knowledge obtained by the public procurement process will be useful for future activities related to green procurement and e-mobility. These aspects have been already treated in other occasions by the municipality, but this process will contribute to improve the process.
- **Benefits for the whole society:** the transition towards a e-mobility will be associated to pollution, GHGs emissions and noise reduction, so the whole citizenship of Cieza will benefit from the action.
- **GHGs emissions' reduction:** for sure, one of the most important aspects to be obtained of the action is the GHGs emissions' reduction which will be gained from the action implementation. This will be calculated according to the real use of the EV charging station with PV supply, and estimations for the future will be done.

### Stakeholders involved

The municipality of Cieza has established a Regional Stakeholder Group (RSG) during E-MOB project implementation in which representatives from different sectors are included and which have with wide experience in the development e-mobility actions. Therefore, for the action implementation, several stakeholders will be involved:

- **City Council of Cieza:** it will be the promoter of the action and the one in charge of its implementation. Its PI will finance the action and the results and lessons learned will guide further PI and city council's investments.
- **Regional Federation of Metal Entrepreneurs of Murcia (FREMM):** it is the biggest organization of the Region of Murcia and car dealership, workshops, and other workers from the mobility sectors. They may participate in the construction works and they will promote the activity.
- **Business Association for the Development and Promotion of Electric Vehicles (AEDIVE):** another key association at national level comprised by companies from different steps of the electric vehicles' supply chain. Their members may participate in the construction works.
- **Electric Vehicle Users' Association. AUVE Murcia:** the most important organization of electric vehicle's users in the Region of Murcia. They will be consulted in order to define the project in accordance to users' needs so a successful implementation is achieved. In addition, they will promote the action among its users.
- **Electric Sun Mobility cooperative:** wide experience in the establishment of charging points and high commitment with their integration with renewable energy. They will be consulted in order to define the technical project in the best way and they may participate in the implementation if they are awarded with the contract for the action implementation.
- **Cieza's car dealership Association:** wide experience in the mobility sectors and experts in the mobility situation in the municipality. They will be consulted so the project is defined in accordance to the demands of users.

Once the activity starts, conversations with all of them in order to proceed the best way possible will be held.

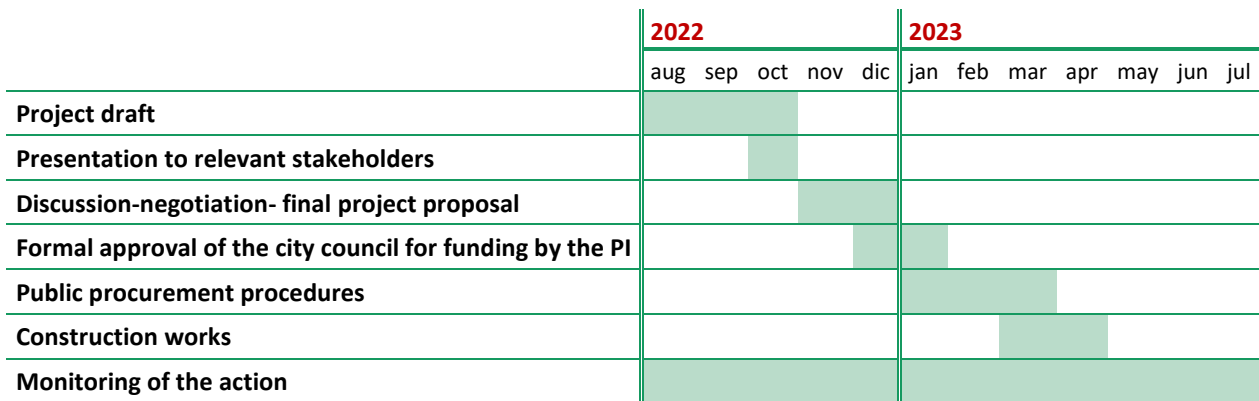


## Timeframe

The action is expected to be finished by April 2023, even though the monitoring and evaluation and results will be done until July 2023. The different milestones to be achieved together with the estimated start and end dates are included in the next table.

	Start	End
<b>Project draft</b>	01/08/22	15/10/22
<b>Presentation to relevant stakeholders</b>	16/10/22	31/10/22
<b>Discussion-negotiation- final project proposal</b>	01/11/22	15/12/22
<b>Formal approval of the city council for funding by the PI</b>	16/12/22	15/01/23
<b>Public procurement procedures</b>	16/01/23	15/03/23
<b>Construction works</b>	16/03/23	30/04/23
<b>Monitoring of the action</b>	01/08/22	31/07/23

In addition, this is presented in a graphic way in the following Gantt Chart:





## Costs

During the whole action implementation, there will be different kind of costs associated to the necessary actions for a successful implementation. In summary, the estimated cost of the EV charging station with PV supply together with the communication activities is 32,450€. The breakdown per activity together with the nature of the cost are shown in the following table:

	Estimated budget (€)	Nature of the cost
<b>Development of technical project and formal procedures for public procurement publication</b>	<b>5.600 €</b>	Equivalent to two municipal workers working for 4 months at 20%
<b>Contract with external company for the construction works</b>	<b>19.500 €</b>	Including the two concepts below
Acquisition and installation of PV panels	10.500 €	35 PV panels of 0,3kW and 2 m2
Acquisition and installation of 3 charging points	9.000 €	Three charging points with double sock
<b>Monitoring of the whole action</b>	<b>6.300 €</b>	Equivalent to one municipal worker working for 12 months at 15%
<b>Evaluation of the results</b>	<b>1.050 €</b>	Equivalent to one municipal worker working for 2 months at 15%
<b>Total budget</b>	<b>32.450 €</b>	

This budget has to be considered as an estimation, as during the action implementation, public procurement procedures will be followed and offers from different companies will be received by the public administration.

## Funding sources

This action will be funded by the Policy Instrument addressed: **EDUSI. CIEZA 2025 INCLUSIVE CITY.**

In addition, alternative funding sources have been detected:

- MOVES PROGRAMME III. Efficient & Sustainable Mobility In the framework of the EU-funded Recovery, Transformation and Resilience Plan – NextGenerationEU.
- FUNDS FOR RENEWABLE ENERGIES IN SELF-CONSUMPTION, STORAGE AND THERMAL ENERGY IN THE RESIDENTIAL SECTOR (RD 477/2021. PRTR). In the framework of the Recovery, Transformation and Resilience Plan financed by the European Union – NextGenerationEU.
- Other municipality funds.

The alternative funding sources detected are especially relevant for a further replication stage in the municipality, as the evaluation of the action may lead to them. Furthermore, they are interesting for other municipalities, regions, and citizens.





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**Date:** 09/05/2022

**Name of the organisation(s):**

Municipality of Cieza