



E-MOB

Interreg Europe



**Integrated actions towards
enhanced e-mobility
in European regions (E-MOB)**

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Action Plan for the region of Western Macedonia, Greece

Part I – General information

Project: Integrated actions towards enhanced e-mobility in European regions (E-MOB)

Partner organisation(s) concerned: __University of Western Macedonia__

Country: _____GREECE_____

NUTS2 region: _ Western Macedonia ____

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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: Regional Operational Programme (ROP) 2014-2020 of Region of Western Macedonia (RWM)

Details on the policy context and the way the action plan will contribute to improve the policy instruments:

The ROP will be improved by the Action Plan, in order to be more focused on sustainable mobility & urban quality of life (e.g. road and personal safety in urban transport, energy saving of transport modes) & promotion of new measures & technologies for the environment. Therefore, the aim of the Action Plan is to create a call with the Managing Authority (MA) that will accelerate the development of a public charging stations network in the region that will be supported by Renewable Energy Sources.

The single action of the action plan will be funded by the ROP 2014-2020 bridging funds of 2021-2027 ROP of the RWM, since the policy instrument remains as it is, in the new programmatic period.

A few words about the PI:

Regional Operational Programme (ROP) 2014-2020 of Region of Western Macedonia (RWM)-Investment Priority 7b: Enhancing regional mobility by connecting secondary & tertiary nodes to TENT (Trans European Transport Networks) infrastructure, including multimodal hubs. Two (2) priority axis are considered also, due to their strong connection with the PI addressed: PA3-Promoting the low-carbon economy through investments in energy efficiency in buildings, public lighting & sustainable multimodal urban mobility & PA 4-Supporting sustainable integrated urban development & regeneration of deprived urban areas. A specific objective is mostly concerned: PI 3.2 Promoting strategies to reduce CO2 emissions in particular urban areas, including promoting sustainable urban mobility plans & relevant measures to help adaptation. This is of high priority and will finance investments based on sustainable urban mobility plans. In line with EU CO2 reduction policies, the expected contribution to the mentioned objective in all urban areas, namely to support the transition to a low-carbon dioxide economy in all sectors, shall be provided by lowering exhaust emissions from transport, offering alternative transportation options & discouraging private car use, making cities better places to live for their inhabitants

ACTION 1:

Name of the action:

Boosting the installation of public charging stations networks supported by Renewables by launching a new call by the ROP

1.Relevance to the project

E-MOB aims at enhancing e-mobility solutions in regional passenger transport systems through interregional learning and exchange of experience between the partners. In this context, the E-MOB good practice (GP) selected by the UoWM and its stakeholders, being the one with the strongest transferable potential to the West Macedonia Region policy instrument is:

1) VLOTTE creating charging solutions and charging infrastructure for e-mobility (Vorlaberg, Austria) It includes the construction of charging stations (Conventional or with PV net metering) by the regional energy supplier. Availability of charging stations is considered a weak point in the Austrian region, as well as in the region of Western Macedonia. This GP inspired PP5, UoWM to involve the recently established Regional Energy Community of Western Macedonia (similar to the Austrian Regional energy Supplier), as the main stakeholder that could facilitate the fast development of a public charging stations network in the region that could be supported by a solar energy producing station owned by the Energy Community, in net metering mode with these public charging stations. Eight existing fast-charging stations in the region could be reactivated, whereas newly designed ones, through the municipal Charging Stations Plans (CSP-ΣΦΗΟ), can be accelerated.

2. Nature of the action

The nature of the action is to support the Managing Authority of the PI (Regional Operational Programme 2014-2020 of Region of Western Macedonia) in order to form and launch a call that will accelerate the development of a public charging stations network in the region that will be supported by Renewable Energy Sources.

The single action of the action plan will be funded by the ROP 2014-2020 bridging funds of 2021-2027 ROP of the RWM, since the policy instrument remains as it is, in the new programmatic period. UoWM plans to involve the recently established Regional Energy Community of Western Macedonia (similar to the Austrian regional energy supplier), as the main stakeholder that could facilitate the fast development of a public charging stations network in the region that could be supported by a PV (solar) or other source energy producing station owned by the Energy Community, in net metering mode with these public charging stations. Moreover, in order to secure the commitment of the MA of the ROP to the new call launching, the aim is to constitute all public charging stations appropriate for disabled people's electric vehicles.



The single action of the Action plan can be separated in the following phases-steps:

• Phase 1

Structured technical meetings with:

- the Board of the Regional Energy Community
 - its 13 municipalities' members
 - the managing authority of the RWM ROP 2014-2020
- to record their municipal charging stations plans (CSPs-ΣΦΗΟ) and electric vehicles current and future charging needs.

• Phase 2

Proposal to the Energy Community Board to develop a feasibility and implementation Study for a Renewable energy producing plant owned by the community that will be used for the energy consumption compensation of the municipalities' electric vehicles (EVs) charging.

• Phase 3

Forming and launching of a call by the MA that will fund Energy Communities for the development of regional public charging stations networks with disabled people inclusiveness that will be supported by Renewable Energy Sources.

• Phase 4

Monitoring of the implementation of the action plan.

1. Creation of a document template called Monitoring Report by the project team of the University of Western Macedonia that will be updated every 5 months.
2. UoWM will choose the members of the core stakeholders' group to form a Monitoring Team for the implementation of Action Plan during phase 2.
3. The Monitoring Team shall meet every 5 months to discuss on the progress of the Action Plan and to propose corrective actions if needed.

3. Stakeholders involved

The organizations in the Region of Western Macedonia that are involved in the development and implementation of the action and their role in the project's steps are the following:

UoWM – Elaboration and Monitoring of the Action Plan



Managing Authority of ROP 2014 – 2020 and ROP 2021-2027,
Region of Western Macedonia – Funding of the Action Plan



Regional Energy Community – Implementation of the Action Plan: It will be the main stakeholder, which will initiate the concept and promote it to its municipal members.

13 regional municipalities (Deskati, Grevena, Prespes, Florina, Amyndeo, Kastoria, Orestias, Nestorio, Velvendo, Voion, Servia, Kozani, Eordea) - Implementation of the Action Plan: The 13 municipalities will have to give access to their municipal charging stations plans and EVs routes and energy needs and will benefit from the concept, since they will save energy cost for the charging of their Evs.

Hellenic Distribution Network Operator (HEDNO) - It is the body which will grant permission to install the solar or other source energy production plant and permission for the charging stations plans of the municipalities.

Regulatory Authority Of Energy (RAE) – It is the authority that will secure that the action plan is staying inside the legal framework and gives guidelines towards the implementation of the action plan.

4. Timeframe

1 August 2022 – 31st of July 2023

Phase 1 end: December 2022

Phase 2 end: April 2023

Phase 3 end: July 2023

Phase 4 end: July 2023

	2022	2023	
	Dec 2022	April 2023	July 2023
Phase 1			
Phase 2			
Phase 3			
Phase 4			

5. Costs

Phase 1 – 6.000,00 €, analyzed as follows: Staff costs: 2 persons working 30 % for 5 months: 5.000,00 €, Travel costs: 1.000,00 €.

Phase 2 – 30.000,00 €, analyzed as follows: Staff costs: 6 persons working 50 % for 9 months: 30.000,00 €,

Phase 3 – 5.000,00 €, analyzed as follows: Staff costs: 2 persons working 10 % for 12 months: 5.000,00 €,

Phase 4 - 10.000,00 €, analyzed as follows: Staff costs: 2 persons working 20 % for 12 months: 10.000,00 €,

Total cost of implementation of the action plan: 51.000,00 €

6. Funding sources:

The action will be funded by the ROP 2014-2020 bridging funds of 2021-2027 ROP of the RWM (the policy instrument remains as it is, in the new programmatic period).

Date: 27/04/2022

Name of the organisation(s) : University of Western Macedonia- Research Committee

Signatures of the relevant organisation(s): _____

**An interregional cooperation
project for improving
low-carbon economy policies.**

Project Partners

Aufbauwerk Region Leipzig GmbH (DE)
Vorarlberg University of Applied Sciences (AT)
University of Western Macedonia (EL)
Municipality of Cieza (ES)
Amiens Metropole (FR)
City of Koprivnica (HR)
University North (HR)
Protheus Holding Plc. (HU)
Regional Development Agency Centru (RO)

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