



ZEMGALE
PLANNING
REGION



REGIONE CALABRIA



Kainuun liitto



PROVINCIA
DI BRESCIA



HELLENIC REPUBLIC
REGION OF ATTICA



Rogaland
County Council



Poslovno podporni center Kranj
Regionalna razvojna agencija Gorenjske



Flanders
State of the Art



Agencia para Desenvolupamento Regional
Beira-Alta - Beira-Verde

e-MOPOLI
Interreg Europe



European Union
European Regional
Development Fund

Attica Region Action Plan

F. Orfanou, P. Papantoniou, E. Vlahogianni, G. Yannis
National Technical University of Athens

M. Miska, I. Theona
Region of Attica



HELLENIC REPUBLIC
REGION OF ATTICA

19th May, 2021 – e-MOPOLI Final Conference (phase 1)

General Information



Name of Policy instruments addressed

- Attica ROP 2014-2020, Priority Axis 6: Improving Quality of Life in Urban Environment
- Budget: 228,895.00

Main objective

- ❑ Diffusion of electromobility in Region of Attica
- ❑ Solve critical gaps towards the transition of zero emission technology
- ❑ Develop concrete and targeted actions

Self- performance indicator to be reached

- ❑ Number of e-mobility actions incorporated in PPP initiatives

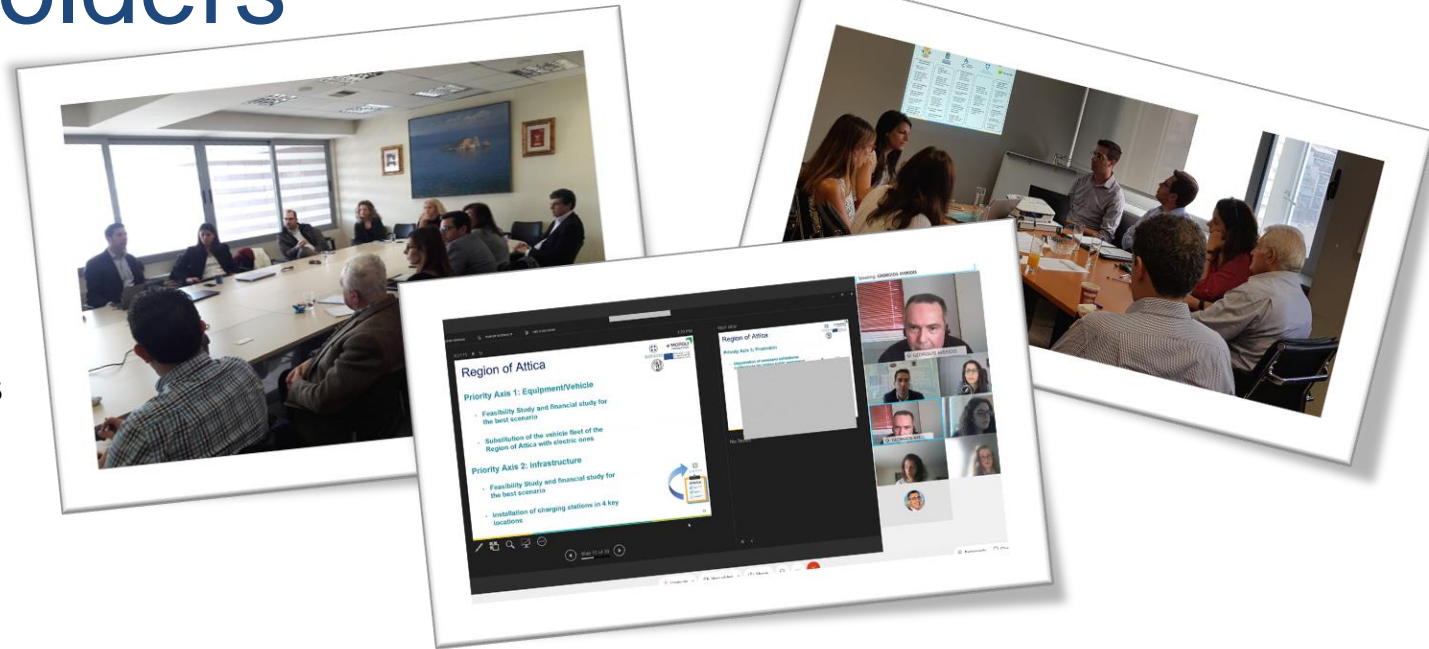
Priorities:

- ❑ Priority Axis 1: Vehicle/Equipment
- ❑ Priority Axis 2: Infrastructure
- ❑ Priority Axis 3: Promotion

Involvement of stakeholders

➤ Regional Stakeholder Group

- Experts with deep knowledge in the field of electromobility
- Working in
 - Industry
 - National/Regional/Local public authorities
 - Academia/Research
 - Business Association
 - General body



1st WRSG -
30th January 2019

- Project Presentation
- Discussion on the Current Situation
- Recommendations template distribution

2nd WRSG –
9th September 2019

- Presentation of the data analysis
- Presentation of the Action Plan template
- Discussion on possible actions for Attica Region

3rd WRSG –
31st March 2021

- Presentation of the Recommendations deliverable
- Presentation and discussion on the actions to be included in the Action Plan for Attica Region



Region of Attica

ACTIONS

**Priority Axis 1:
Equipment/Vehicles**

**Priority Axis 2:
Infrastructure**

**Priority Axis 3:
Promotion**

Action 1

Viability and Financial Studies for the renewal of the vehicle fleet of the Region of Attica with electric vehicles

Good Practices	<ol style="list-style-type: none">1. Metropolitan Chart Of Electric Mobility and EMOB event - Lombardy Region. One of the chart principles is the diffuse of e-mobility in Last mile logistics, company fleets, and Local Public Transports (i.e e-buses)2. Implementation of electric vehicles - City municipality Kranj (CMK) shifts to the electric vehicles and RES infrastructure and optimizes the number of vehicles used for the public administration.3. Electric cars for municipal services in Jelgava city
Objective	Both studies are required to be conducted before action 2 (Renewal of the vehicle fleet of the Region of Attica with electric vehicles) so that the best scenario can be revealed, i.e. the optimal number and type of vehicles that should be substituted by electric ones.
Bottleneck	Data gathering from all the involved stakeholders
Stakeholders involved	<ul style="list-style-type: none">- National Technical University of Athens.- Region of Attica will provide the team of NTUA with the data required for the analysis- Industries operating in the field of electric vehicles
Timeframe	4 months
Indicative Funding Sources	<ul style="list-style-type: none">- Public Investments Program- Regional Business Program of Region of Attica
Indicative Costs	16.000 euros
Transferability	This action can be easily transferred to any region interested in the renewal of its vehicle fleet

**Priority Axis 1:
Equipment/Vehicles**

Action 2



Renewal of the vehicle fleet of the Region of Attica with electric vehicles

Good Practices	<ol style="list-style-type: none"> 1. Metropolitan Chart Of Electric Mobility and EMOB event - Lombardy Region. One of the chart principles is the diffuse of e-mobility in Last mile logistics, company fleets, and Local Public Transports (i.e e-buses) 2. Implementation of electric vehicles - City municipality Kranj (CMK) shifts to the electric vehicles and RES infrastructure and optimizes the number of vehicles used for the public administration. 3. Electric cars for municipal services in Jelgava city
Objective	<p>The objective of this action is threefold:</p> <ol style="list-style-type: none"> 1. Substitution of the conventional diesel vehicles with electric ones □ lower emissions for regional service purposes. This action can be a good example for other regions and municipalities of the country. 2. Promote public awareness on electromobility and the different types of electric vehicles as people will see the electric vehicles driving around the regional network 3. More publicly accessible charging stations will be added to the existing network. The station will be located in a central locations as it will be further described later in this section
Bottleneck	The administrative and bureaucratic process that may delay the action implementation and finalization
Stakeholders involved	<ul style="list-style-type: none"> - National Technical University of Athens. - Region of Attica - Industries operating in the field of electric vehicles
Timeframe	18 months
Indicative Funding Sources	<ul style="list-style-type: none"> - Regional Operational Programme, Priority Axis 6: Improving Quality of Life in Urban Environment - Public Investments Program - Regional Business Program of Region of Attica
Indicative Costs	2.000.000 euros
Transferability	This action can be used as an inspiration for any other region. The way it will be applied depends on the administrative processes each region has.

**Priority Axis 1:
Equipment/Vehicles**

Action 1



Viability and Financial Studies for the installation of charging stations

Good Practices	<ol style="list-style-type: none"> 1. Development of green charging infrastructure – Bucharest City Hall 2. Development of charging infrastructure - Bucharest-Ilfov 3. Deployment of public charging infrastructure in Flanders Region 4. Public tender for the development of charging infrastructure networks for e-vehicles 5. RICARICA VALLI BRESCIANE" project 6. Metropolitan Chart Of Electric Mobility and EMOB event - Lombardy Region Among the Chart principles is the promotion of the development of a public access charging network
Objective	Both studies are required to be conducted before action 2 (Installation of charging stations in 4 key locations) so that the best scenario can be revealed, i.e. the optimal number of charging stations that should be installed.
Bottleneck	Data gathering from all the involved stakeholders
Stakeholders involved	<ul style="list-style-type: none"> - National Technical University of Athens. - Region of Attica - Industries operating in the field of charging stations
Timeframe	4 months
Indicative Funding Sources	<ul style="list-style-type: none"> - Public Investments Program - Regional Business Program of Region of Attica
Indicative Costs	16.000 euros
Transferability	This action can be easily transferred to any region interested in the renewal of its vehicle fleet

**Priority Axis 2:
Infrastructure**

Action 2

Installation of charging stations in key locations

Good Practices	<ol style="list-style-type: none">1. Development of green charging infrastructure – Bucharest City Hall2. Development of charging infrastructure - Bucharest-Ifov3. Deployment of public charging infrastructure in Flanders Region4. Public tender for the development of charging infrastructure networks for e-vehicles5. RICARICA VALLI BRESCIANE" project6. Metropolitan Chart Of Electric Mobility and EMOB event - Lombardy Region Among the Chart principles is the promotion of the development of a public access charging network
Objective	<p>The objective of this action is serving the part of the regional fleet consisting of electric vehicles. The charging stations may not be publicly accessible but they will be used apart from the regional vehicle fleet, also from the people working in the region and own a private electric vehicle. As a result, all these users will not have to use extensively the available public accessible charging infrastructure for charging the vehicle and thus occupy a free parking space for a long time. Practically, charging network will be expanded by these charging stations will serve solely the demand related to the Regional personnel.</p>
Bottleneck	<p>The administrative and bureaucratic process that may delay the action implementation and finalization</p>
Stakeholders involved	<ul style="list-style-type: none">- National Technical University of Athens.- Region of Attica- Industries operating in the field of charging stations
Timeframe	<p>18 months</p>
Indicative Funding Sources	<ul style="list-style-type: none">- Regional Operational Programme, Priority Axis 6: Improving Quality of Life in Urban Environment- Public Investments Program- Regional Business Program of Region of Attica
Indicative Costs	<p>60.000 euros</p>
Transferability	<p>This action can be used as an inspiration for any other region. The way it will be applied depends on the administrative processes each region has.</p>

Priority Axis 2: Infrastructure

Action 1

Organization of seminars/ exhibitions/ conferences for raising public awareness

Good Practices	<ol style="list-style-type: none">1. Working group for electric mobility in Lombardy (MEL)2. Website about environment friendly vehicles
Objective	<p>The objectives of this action is summarized below:</p> <ol style="list-style-type: none">1. Introduction of electric transport modes to the public and the authorities2. Raise public awareness about the new technology and thus promote the idea of electromobility3. Participants will get familiar with these new type of vehicles4. Long term objective: Increase public acceptance5. Bring together all relevant stakeholders
Bottleneck	<p>Get together all the relevant stakeholders In case of an exhibition of electric vehicles, ensure the existence of different types that the participants can test.</p>
Stakeholders involved	<ul style="list-style-type: none">- National Technical University of Athens.- Region of Attica- Industries and other institutions
Timeframe	2 months
Indicative Funding Sources	<ul style="list-style-type: none">- Regional Operational Programme, Priority Axis 6: Improving Quality of Life in Urban Environment- Public Investments Program- Regional Business Program of Region of Attica
Indicative Costs	3.000 euros
Transferability	This action can be easily transferred to any region interested in the renewal of its vehicle fleet

**Priority Axis 3:
Promotion**

Gantt Diagram



		2021										2022										2023			
		March	April	May	June	July	August	September	October	November	December	January	February	March	April	May	June	July	August	September	October	November	December	January	February
Priority Axis 1: Vehicles/Equipment	Action 1: Feasibility and Financial study for the purchase of electric vehicles	Data Collection	Market Research	Scenarios Development	Financial Analysis	Internal process for funding																			
	Action 2: Renewal of the vehicle fleet of the Region of Attica with electric vehicles	Tender Preparation										Tender duration										Offers evaluation, selection of the optimal one and purchase/release of the electric vehicles			
Priority Axis 2: Infrastructure	Action 1: Feasibility and Financial study for the purchase of electric vehicles	Data Collection	Market Research	Scenarios Development	Financial Analysis	Internal process for funding																			
	Action 2: Renewal of the vehicle fleet of the Region of Attica with electric vehicles	Tender Preparation										Tender duration										Offers evaluation, selection of the optimal one and purchase/release of the electric vehicles			
Priority Axis 3: Promotion	Action 1: Organization of seminars/exhibitions/conferences for raising public awareness								Organization of seminars/exhibitions/conferences for raising public awareness																



Thank you!

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Questions welcome



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