Attica Region
Action Plan

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Region of Attica

19th May, 2021 – e-MOPOLI Final Conference (phase 1)
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 | 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 | - 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 | - 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 |
Action 2

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

**Good Practices**
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**
The objective of this action is threefold:
1. Substitution of the conventional diesel vehicles with electric ones to 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**
- National Technical University of Athens.
- Region of Attica
- Industries operating in the field of electric vehicles

**Timeframe**
18 months

**Indicative Funding Sources**
- 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.
Action 1

Viability and Financial Studies for the installation of charging stations

| Good Practices | 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
- National Technical University of Athens.  
- Region of Attica  
- Industries operating in the field of charging stations

Timeframe
4 months

Indicative Funding Sources
- 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
**Action 2**

**Installation of charging stations in key locations**

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<thead>
<tr>
<th>Good Practices</th>
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<tbody>
<tr>
<td>1. Development of green charging infrastructure – Bucharest City Hall</td>
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**Objective**
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.

**Bottleneck**
The administrative and bureaucratic process that may delay the action implementation and finalization.

**Stakeholders involved**
- National Technical University of Athens.
- Region of Attica
- Industries operating in the field of charging stations

**Timeframe**
18 months

**Indicative Funding Sources**
- 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**
60,000 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.
Action 1

Organization of seminars/ exhibitions/ conferences for raising public awareness

| Good Practices | 1. Working group for electric mobility in Lombardy (MEL)  
2. Website about environment friendly vehicles |
|----------------|-----------------------------------------------------------------------------------|

| Objective | The objectives of this action is summarized below:  
1. Introduction of electric transport modes to the public and the authorities  
2. Raise public awareness about the new technology and thus promote the idea of electromobility  
3. Participants will get familiar with these new type of vehicles  
4. Long term objective: Increase public acceptance  
5. Bring together all relevant stakeholders |
|------------|-----------------------------------------------------------------|

| Bottleneck | 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. |
|------------|-------------------------------------------------------------|

| Stakeholders involved | - National Technical University of Athens.  
- Region of Attica  
- Industries and other institutions |
|------------------------|-----------------------------------------------------------------|

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<th>Timeframe</th>
<th>2 months</th>
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| Indicative Funding Sources | - Regional Operational Programme, Priority Axis 6: Improving Quality of Life in Urban Environment  
- Public Investments Program  
- Regional Business Program of Region of Attica |
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<tr>
<th>Indicative Costs</th>
<th>3,000 euros</th>
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<tr>
<th>Transferability</th>
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<tbody>
<tr>
<td>Action 1: Feasibility and Financial study for the purchase of electric vehicles</td>
<td>Action 2: Renewal of the vehicle fleet of the Region of Attica with electric vehicles</td>
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<td>Data Collection</td>
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<td>Market Research</td>
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<td>Scenarios Development</td>
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<td>Financial Analysis</td>
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<td>Internal process for funding</td>
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<td>Tender Preparation</td>
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<td>Tender duration</td>
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<td>Offers evaluation, selection of the optimal one and purchase/release of the electric vehicles</td>
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Thank you!

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Questions welcome