



Online Student Workshop

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Solutions for the Smart City Challenge

Towards the development of an action plan for promoting electromobility

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Introduction

- **The transportation sector**
 - Has the **biggest share** in energy consumption
 - **Highly contributes** in CO2 emissions
- **The road transportation sector**
 - **Leader** in CO2 emissions
- **Smart and sustainable cities are gaining more and more attention**
- **Electromobility and alternative fuels**
 - **Key solutions** towards sustainability and urban life quality improvement



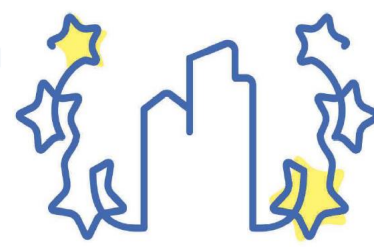
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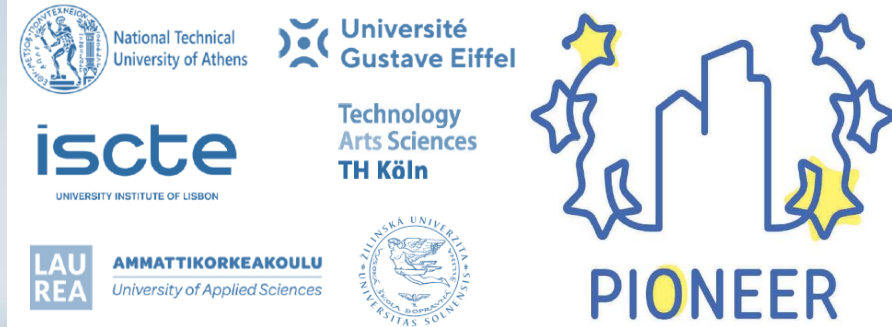
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The eMOPOLI project

Electro MObility as driver to support POLicy Instruments for sustainable mobility

- **Operational Program**
 - Program Interreg Europe
- **Duration of the project**
 - 54 months (June 2018 – November 2022)
- **Project Objectives**
 - Diffusion of e-mobility and alternative fuel
 - Increase in knowledge of Regional and Local Public Administrations through policy instrument development and through action plan implementation



Partners

1. Province of Brescia (Italy)
2. Calabria Region (Italy)
3. Regional Development Agency of Gorenjska (Slovenia)
4. Region of Attica (Greece)
5. Flemish Government, Department of Environment (Belgium)
6. Regional Council of Kainuu (Finland)
7. Rogaland County Council (Norway)
8. Bucharest-Ilfov Regional Development Agency (Romania)
9. Zemgale Planning Region (Latvia)



The Project Outputs



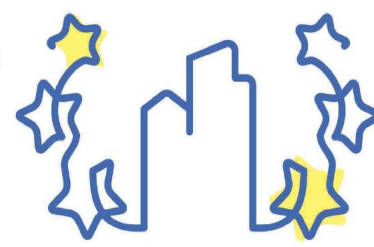
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Territorial Analysis per Region

Sourcebook of Good Practices

Recommendations

9 Regional Action Plans

Objectives

- **Presentation of methodology for Action Plan formulation**
- **Presentation of an Action Plan template**
- **Characteristics of an Action Plan**
- **Presentation of the Action Plan of Region of Attica**



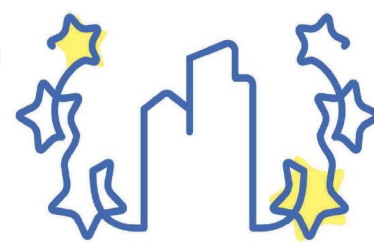
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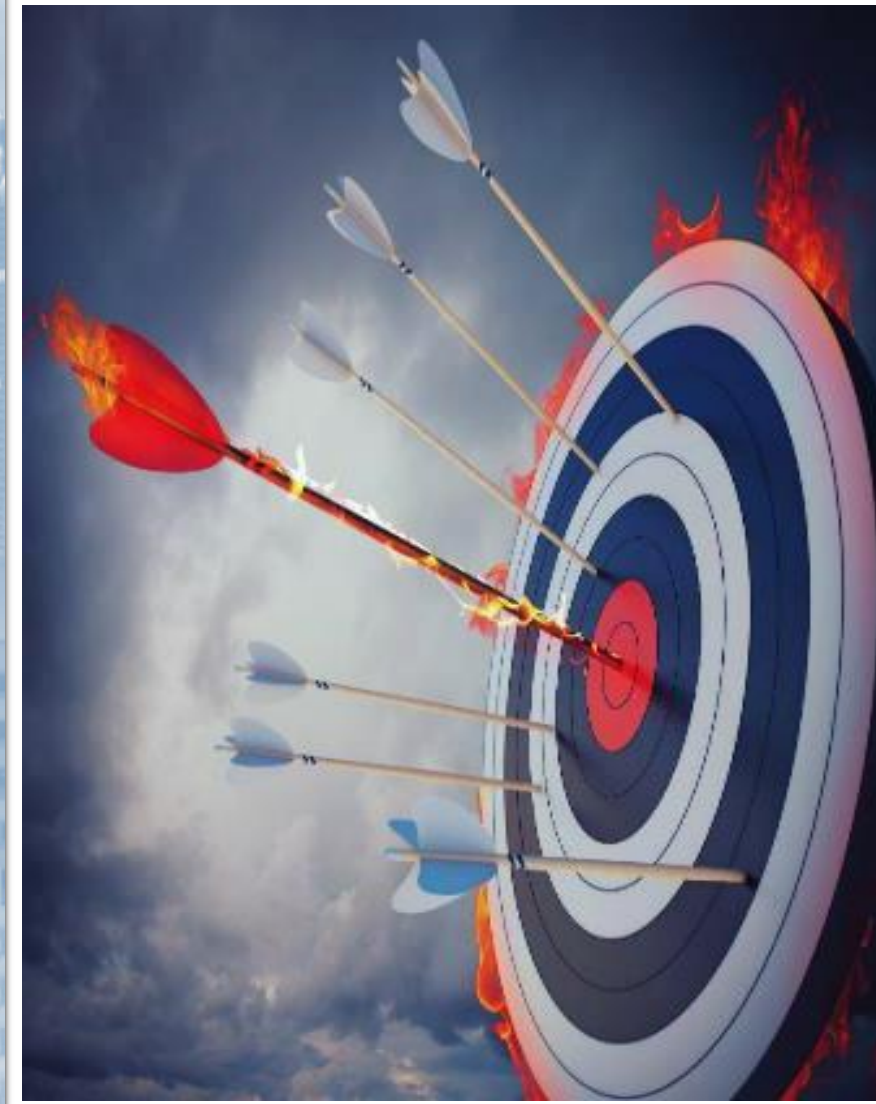
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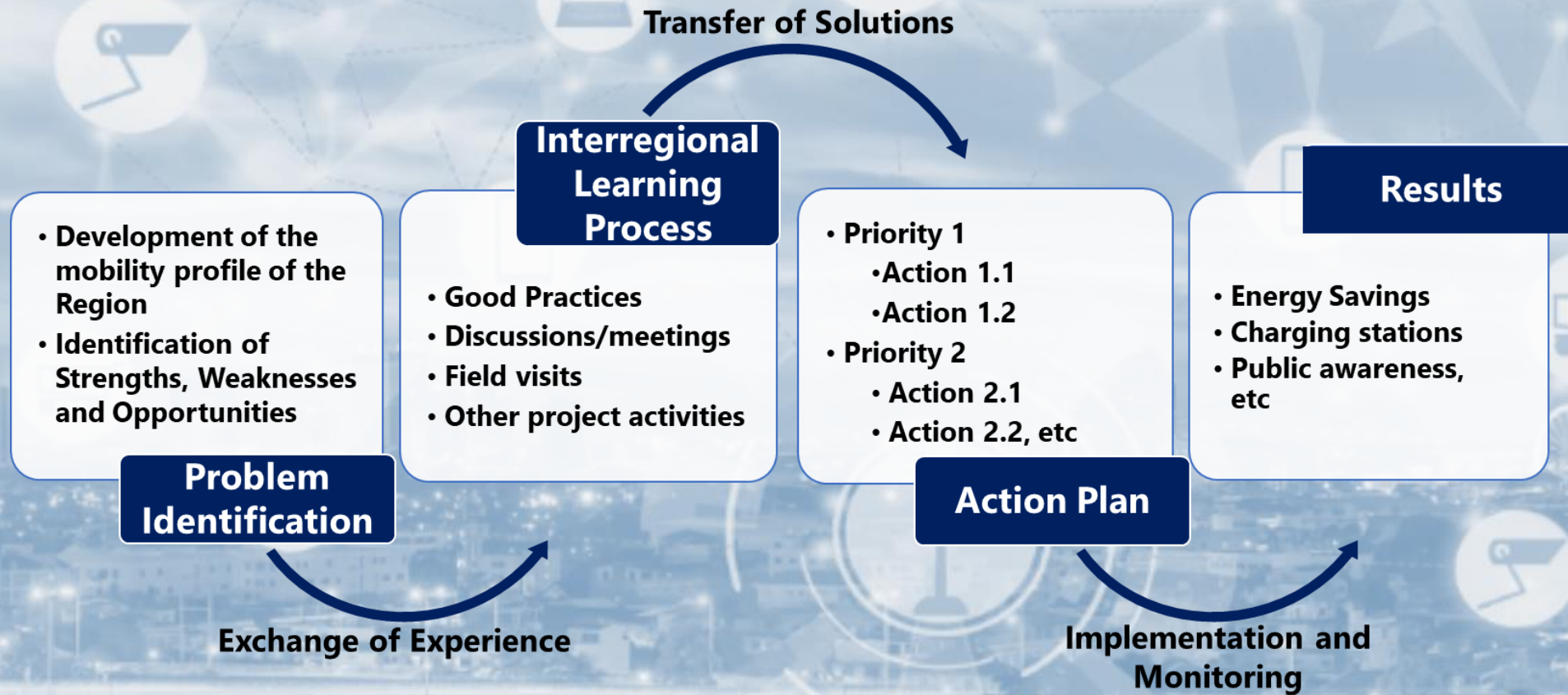
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Methodology



Problem Identification



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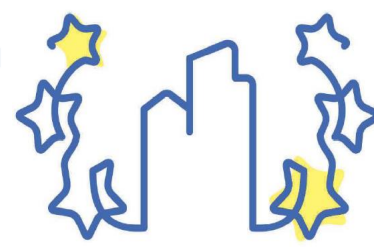
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Survey
development

Experts

Survey
distribution

Data collection and
analysis

Survey



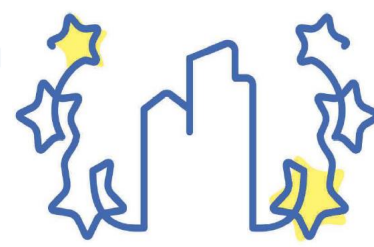
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Introduction

**Current
Situation**

GAP Analysis

**SWOT
Analysis**

**PESTEL
Analysis**

Group of Experts

- **Members with deep knowledge and experience in the field of electromobility**
- **Working in:**
 - Industry
 - National/Regional/Local public authorities
 - Academia/Research
 - Business Association
 - Infrastructure – Public Service
 - General body



The Action Plan

- Provides details on how lessons learnt will be implemented
- Specifies
 - Nature of actions
 - Objectives/Impacts
 - Timeframe
 - Stakeholders involved
 - Costs
 - Funding sources
- Includes concrete measures



The Action Plan Guidelines

- Design and structure to be adapted by each region
- Language convenient for partners / stakeholders
- Clear and precise description
- Description how the inspiration for the action derived from
 - Good practices of other regions
 - Discussions/meetings
 - Study visits
 - Other project activities
- Not transfer an action but get inspiration
- Minimum information



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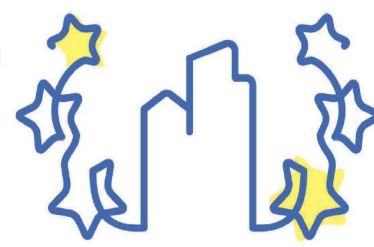


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Guidelines

The Action Plan Guidelines

- **Relevance of the action to the policy**
- **Contribution of the action to the policy**
- **Implementation-related actions**
 - Specific
 - Reasonable
- **No min or max number of actions**
 - Not big number of actions
 - Better few actions and very precise
 - Realistic action plans → 2-5 actions
- **Clear and direct link of the actions**
 - To the project
 - To the interregional learning process
- **Actions do not have to be measurable**



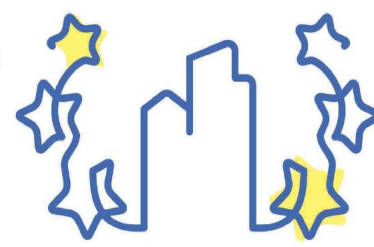
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The Action Plan Structure

The action plan document consists of the following parts

- **Introduction**
- **General Information** for the Region
- **Policy Instrument** description
- Background
 - **Current Situation** concerning electromobility
 - **SWOT** Analysis
- Actions
 - Classification in **Priority Axis**
 - Actions **description**
- **Monitoring**
- **Declaration**



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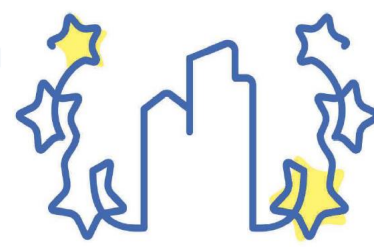
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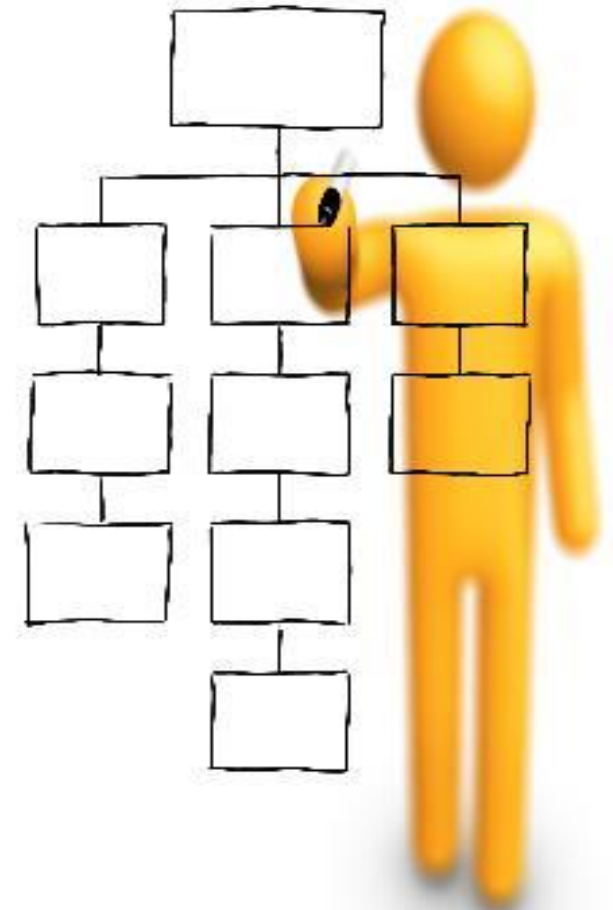
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AP – General Information

- **Region information**

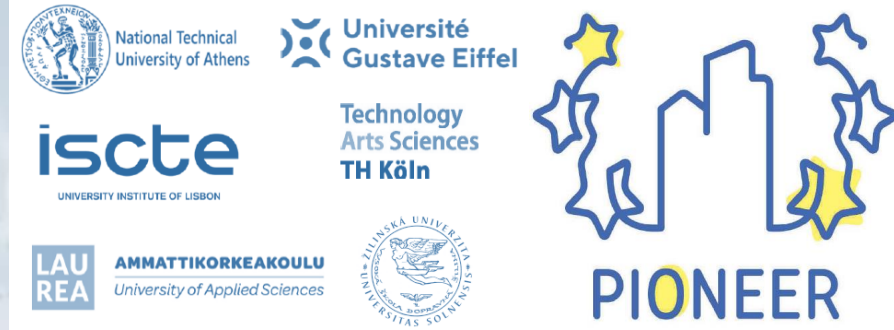
- Population
- Area
- Administrative structure
- Regional Indicators
- Contact details



Project partner Information	
Partner organization	
Country	
NUTS2 region	
Contact person	
Position	
E- mail	
Phone number	

AP – Policy Instrument

- **Further details on the policy context and the way the action plan should contribute to improve the policy instrument are necessary**
 - Detailed information on policy context
 - Detailed information on the how the action plan should contribute to improve this policy



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 addressed:

AP – Background

- **Overview of the current situation of electromobility in each Region in the following indicative thematic areas:**
 - Education and training
 - Campaigns
 - Technology
 - Legislation
 - Regional Local Incentives
 - Electric vehicles
 - Charging Infrastructure
- **SWOT Analysis Results**



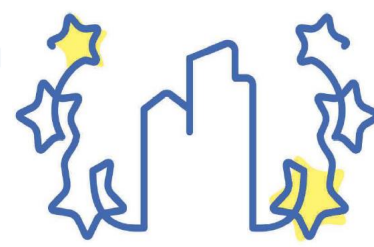
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AP – Actions

- The Actions that are included in the action plan of are divided in several priority axes
 - Governance
 - Planning
 - Infrastructure
 - Vehicle Fleet
 - Incentives
 - Public Transport
 - Awareness/Promotion
 - Research



Priority Axis 1

Title of Action 1

Title of Action 2

Title of Action 3

Title of Action 4

Priority Axis 2

Title of Action 1

Title of Action 2

Title of Action 3

Title of Action 4

AP – Actions

- For each action the following information is specified
 - Title
 - Background (Inspiration from the project activities and outputs)
 - Objective
 - Activities
 - Bottlenecks
 - Stakeholders involved
 - Timeframe
 - Indicative Costs
 - Indicative Funding Sources
 - Expected Impact
 - economic
 - environmental
 - on e-mobility
 - Transferability



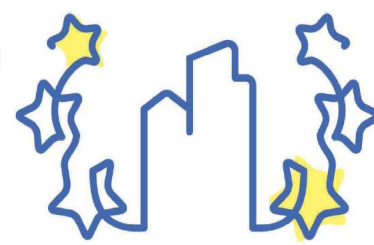
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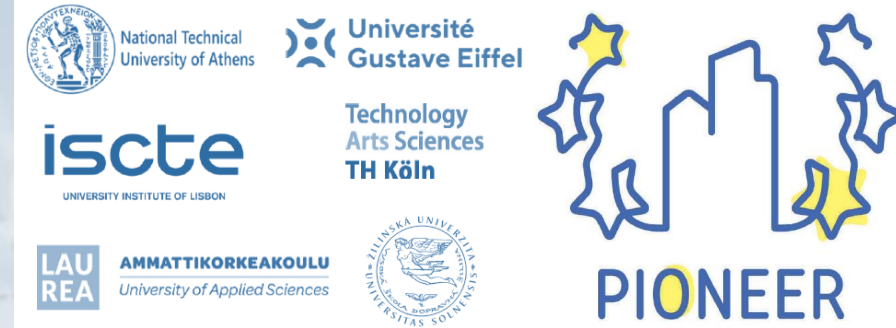


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AP – Monitoring

- Timeplan and milestones for each action
- Gantt Diagram



Action plan	Year Semester	2020		2021		2022		2023		2024	
		1	2	1	2	1	2	1	2	1	2
Action 1 Policy integration											
Action 2 Infrastructure											
Action 3 Mobilisation initiatives											
Action 4 Research integration											

ACTION	Milestones											
	2019			2020						2021		
	JUL-AUG	SEP-OCT	NOV-DEC	JAN-FEB	MAR-APR	MAY-JUN	JUL-AUG	SEP-OCT	NOV-DEC	JAN-FEB	MAR-APR	MAY-JUN
1. Financial Incentives			Evaluation of the grants						Evaluation of the grants			Preliminary evaluation of the grants
2. The Deployment of Electric Buses on the Maltese Islands	Delivery of the new e-buses	Start of the operational phase in Gozo				Monitoring of the operational phase						Assessment of the operational phase
3. Installation of eVehicles' Roadside Charging Pillars			Monitoring of the installation process						Full installation of the charging pillars			Assessment of the operational phase

AP – Declaration

- **Endorsed by the responsible people**
- **Signed by the policy makers and main partner**
- **Stakeholders can also sign the action plan**
- **It should be declared that action plan can be applied in practice**



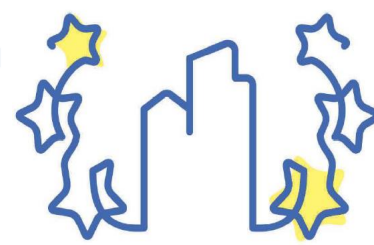
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Action Plan – Attica Region

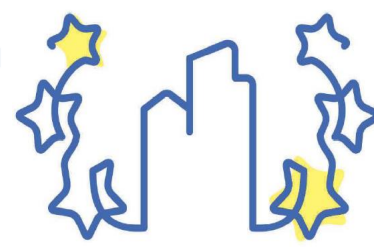


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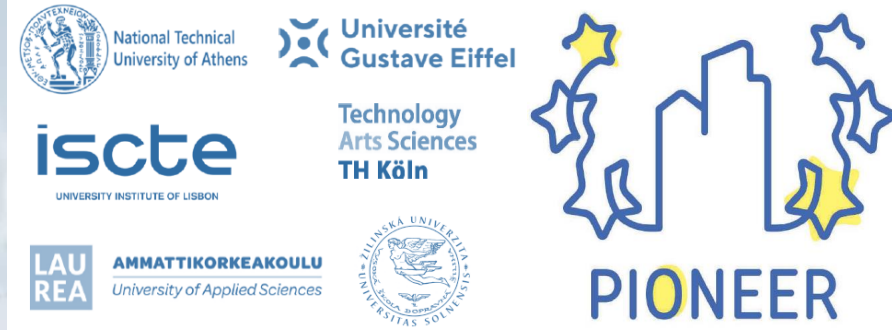
- Name of the policy instrument addressed: Attica ROP 2014-2020, Priority Axis 6: Improving Quality of Life in Urban Environment

Priority Axis 1:
Equipment/Vehicles

Priority Axis 2:
Infrastructure

Priority Axis 3:
Promotion

Action Plan – Attica Region



Priority Axis 1: Equipment/Vehicle

- **Feasibility Study** and **financial study** for the best scenario
- **Substitution** of the vehicle fleet of the Region of Attica with electric ones

Priority Axis 2: Infrastructure

- **Feasibility Study** and **financial study** for the best scenario
- Installation of **charging stations** in 4 key locations

Priority Axis 3: Promotion

- Organization of **seminars/ exhibitions/ conferences** for raising public awareness

Conclusions

- Requirements for Action Plan Formulation
 - **Current situation** analysis
 - Identification of **deficiencies and gaps**
 - Detection of **assets**
- An Action Plan should:
 - Be **clear, precise**
 - Include **concrete, reasonable and realistic** actions
 - Be **detailed** concerning actions description
- A **good and effective** Action Plan can be the **guide** for other regions and stakeholders
- The actions can be an **inspiration** for policy makers

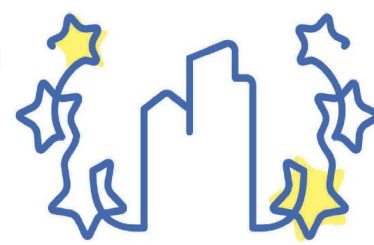


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