



# AFTER LIFE PLAN

**LIFE CITY ADAP3**  
2024-2029



# CONTENT

1. SUMMARY OF THE PROJECT
2. INTRODUCTION
  - 2.1. MAIN OBJECTIVES
  - 2.2. SPECIFIC OBJECTIVES
  - 2.3. ACTIONS
3. PILOT ACTIONS
4. RESULTS
5. AFTER LIFE PLAN
  - 5.1. OBJECTIVES
  - 5.2. TARGET GROUPS.
  - 5.3. ACTION PROGRAMME IN THE AFTER LIFE PERIOD.
  - 5.4. ACTIONS TO BE CARRIED OUT IN THE AFTER LIFE PERIOD LISTED ACCORDING TO THE OBJECTIVES OF THE PROJECT.
6. TIMETABLE, BUDGET, EXPECTED RESULTS AND MONITORING INDICATORS
7. INDICATORS OF SUCCESS AFTER LIFE PLAN

AFTER  
LIFE  
PLAN

1

## SUMMARY OF THE PROJECT

**LIFE CITYADAP3** - LOCAL ADAPTATION TO CLIMATE CHANGE THROUGH PUBLIC-PRIVATE PARTNERSHIPS AND LOCAL CORPORATE SOCIAL RESPONSIBILITY (LIFE CITYADAP3 LIFE 19 CCA/ES/001209)



### PROGRAMME

LIFE



### SUB-PROGRAMME

Clima



### PRIORITY

Adaptation to climate change



### COORDINATOR

Federation of Municipalities of the Region of Murcia (FMRM)



### PARTNERSHIP

Municipality of Molina de Segural  
Municipality of Lorquí  
Municipality of Alcantarilla  
Municipality of Reggio Emilia  
EuroVértice Consultants  
CSR Chair University of Murcia



### DURATION

4 years (2020-2024)



### PROJECT BUDGET

EUR 2 302,509.



### EU CO-FINANCING

€1,148,339



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## 2 INTRODUCTION

LIFE CITYAdaP3 had the aim of strengthening adaptation to climate change in urban environments, promoting the implementation of Action Plans for Climate and Sustainable Energy (PACES) within the framework of the Covenant of Mayors for Climate and Energy. To this end, the project has promoted innovative financing schemes based on public-private collaboration with local companies.

Businesses, including SMEs and local industries, have played a key role in developing adaptation plans and co-financing specific actions through voluntary agreements. This participation has not only allowed the implementation of concrete adaptation measures, but has also given companies the opportunity to integrate their environmental commitment within their corporate social responsibility (CSR) strategies.



## MAIN OBJECTIVES

1

Engaging the local private sector in financing urban adaptation in two ways:

Through the development of public-private cooperation systems between businesses and local authorities

Through the integration of adaptation to climate change in the themes of Corporate Social Responsibility (CSR).

2

Improving the Covenant of Mayors by implementing the Sustainable Energy and Climate Action Plans (SECAPs).

## SPECIFIC OBJECTIVES

To meet the main objectives, the project pursued the following specific objectives:

- ✓ Drafting of model public-private partnership agreements (PPPs), transferable to other EU cities to enable private sector financing of climate change adaptation.
- ✓ Carrying out climate adaptation actions in four European Union (EU) municipalities to demonstrate how to address the effect of urban heat islands, floods and landslides and thereby mitigate the economic, environmental and social costs of climate impacts
- ✓ Promote green infrastructure (GI) and nature-based solutions (NBS) in the definition of adaptation actions.
- ✓ Involvement of the private sector in the implementation of the PACES.



## ACTIONS

- ✓ Integrate climate change mitigation into urban adaptation actions through synergies that increase sustainable mobility, energy efficiency and the use of renewable energy.
- ✓ Replicate the model in other EU municipalities to involve the private sector in urban adaptation.
- ✓ Improve the knowledge base through a quantitative analysis of the social, economic and environmental benefits of implementing adaptation actions for citizens and local businesses.
- ✓ Monitoring of adaptation indicators to assess the performance of pilot actions in terms of resilience and improvement of living conditions.
- ✓ Improve public awareness of the importance of climate change adaptation and mitigation.
- ✓ Disseminate technical information to encourage the uptake of results by other EU stakeholders.



### Preparatory actions

Desarrollo de mecanismos para involucrar al sector privado en la financiación de la adaptación urbana.

Diseño final de acciones piloto urbanas de adaptación al cambio climático.



### Implementation actions

Implementation of urban climate change adaptation pilot actions

Private Sector Engagement in Adaptation Plans and SECAP through Stakeholder Groups

Transfer and replication activities



### Monitoring the impact of project actions

Monitoring of project results



### Communication and dissemination of results

Communication and dissemination to the general public

Technical communication and dissemination



### Project management



# 3 PILOT ACTIONS

## Alcantarilla

A pedestrian platform formed by modular concrete pavement with a large drainage capacity. The cycling platform, executed by means of continuous porous concrete pavement for exteriors, incorporates, in a wooded section, photoluminescent paint to signal the limits of the cycling zone, and a Sustainable Urban Drainage Systems such as drainpipe and floodable flowerbeds with native species. Wooden structures with native climbing plants were added to reduce the heat island effect.



## Lorquí

Rehabilitation of the "Las Trillizas" cave house through an innovative economic solution and easy replication, as well as the conditioning of Cuesta del Catecismo street by replacing concrete walls with gabion walls, and the gunite concrete on slopes by geocells and native plants, and the conditioning of the Cabezo de la Ermita viewpoint and its accesses.



### 3 ACCIONES PILOTO



## Molina de Segura

Reforestation with better adapted native species, and establishment of sustainable urban drainage systems (strips and infiltration wells) in Nelson Mandela Park, to reduce the peak flow of heavy rains. Drafting of two innovative projects, on the one hand, an Urban Green Path, shaded and wooded, with plant species adapted to the area, (executed in part within the Mobility Plan of the City Council), and on the other hand, a project of Ecological House and Bioclimatic Classroom, as a demonstration action of sustainable and energy efficient construction. The drafted projects provide added value for the municipality.



## Reggio Emilia

Climate-friendly parks, with the contribution of Til SRL, has consisted of urban afforestation works in 4 parks to combat heat islands and "bring nature back to the city" with the experimental introduction of microforests "Miyawaki", field hedges, polyphytic meadows, a semi-humid and shady area of the most used areas, defining a new adaptive park model, replicable at local and European level.



## RESULTS

- ✓ A model of public-private collaboration between municipalities and local companies has been developed, designed in a participatory way to ensure that it reflects the interests and needs of both parties.
- 
- ✓ The model has been so successful that second pilot actions have finally been carried out in each of the municipalities. Thus, 8 climate change adaptation actions co-financed by local companies have been implemented, which correspond to:
    - Multimodal and cycling platform adapted to climate change in Alcantarilla.
    - Rehabilitation of the Cabezos de Lorquí.
    - Project of green urban path and bioclimatic house, and adaptation of Nelson Mandela Park to climate change in Molina de Segura.
    - Development of an adaptive park model and its implementation in 4 parks in Reggio Emilia.
    - Waterproofing of roof of a municipal building for the development of a vegetated roof for the reduction of energy consumption and efficient use of irrigation water in Alcantarilla.
    - Miyawki microforest of semi-arid climate in Lorquí.
    - Adaptation to climate change of the Panderón park in Molina de Segura.
    - Adaptive redevelopment of Piazza del Popol Giost in Reggio Emilia.



**30 EMPRESAS**



**209.900 €  
RECAUDADOS**



**30 ACUERDOS  
DE COLABORACIÓN**



- ✓ All local authorities signed collaboration agreements with companies, reaching a total of 28. A total of €193,900 has been raised to finance the first and second pilot actions in the four municipalities. Including the agreements signed as a result of the contest of ideas organized in the Region of Murcia to promote the LIFE CityAdaP3 model, the amount of co-financing will reach € 209,900, and the number of agreements, 30.
- ✓ Protocolary signing events were held in all municipalities, with great visibility and participation of the media.
- ✓ Collaborating companies have incorporated environmental policies, commitments and measures into their CSR strategies.
- ✓ A working model has been established with local companies and a multi-criteria tool has been developed that can help prioritise urban climate change adaptation actions.
- ✓ The methodology of involvement of local companies, as well as the technical specifications of the pilot actions has been transferred to other European municipalities, which have shown interest in replicating the model and / or solutions of the project.
- ✓ The monitoring of climate actions has allowed to evaluate the environmental benefits derived from each of the pilot actions, being able to verify their efficiency in the protection against landslides, mitigation of the heat island effect and reduction of temperatures, and protection against the risks derived from floods. More than 12 hectares have been adapted to climate change, offering positive benefits for more than 15,000 people.
- ✓ The communication strategy of the project has been a resounding success as, despite the difficulties, it has effectively delivered the key messages, raised awareness and engaged stakeholders at various levels. It is estimated that more than 90,000 people have been reached with the different communication and awareness actions.
- ✓ Courses have been held in local institutes and for citizens in the 4 municipalities involved in the project. 793 students have received training and the skills of 149 citizens have been improved.
- ✓ Knowledge and experience have been exchanged with other European projects, fostering synergies and leading to opportunities for collaboration in the future.
- ✓ An e-learning platform has been launched that has reached more than 100 people, improving their knowledge about public private collaboration and CSR, as well as ways to integrate climate change into them.
- ✓ LIFE CityAdaP3 has been present in various congresses and events at national and international level, and its results and methodologies have been shared through scientific-technical publications.

## 5 AFTER LIFE PLAN

LIFE CityAdaP3's After-LIFE Plan is designed to ensure the sustainability of project results in the short, medium and long term. For this, it will be necessary to organize and plan the resources that will allow to involve the partners and other interested parties in the maintenance and transfer of the results of the project.

This plan describes how the key actions of the project will continue after the end of the project, as well as how the communication and dissemination channels of the results will be maintained.



## OBJECTIVES

- 1 Maintenance and review of the relationships established with local co-financing companies to ensure collaboration over time.
- 2 Maintenance of infrastructures and spaces created and adapted to climate change.
- 3 Maintenance of the technological systems installed to obtain data and impact measurements of the pilot actions.
- 4 Maintenance of the website and social media profiles.
- 5 Develop new technical improvements derived from the lessons learned and the results obtained.

- 6 Extend dissemination to raise awareness among citizens about the importance of adapting to climate change and mitigating its effects.
- 7 Communication and dissemination of the results of the project obtained, aimed at the citizens of the partner municipalities, collaborating companies, stakeholders, media, members of the municipal corporations themselves that have not been directly involved in the project, and the rest of the municipalities of the region (Region of Murcia and Emilia Romagna) to achieve greater replication
- 8 Continue to improve and promote urban strategies from public institutions, for adaptation to climate change through nature-based solutions in order to make the cities involved in the project increasingly healthy, sustainable and resilient.

## TARGET GROUPS

The project partners will be the main target audience of this document, since they will be the ones who will work on the implementation of the actions it collects. Among them are the following groups:



Local authorities that make up municipal corporations.



Municipal technicians participating in the project.



Technicians and representatives of the Federation of Municipalities, CSR Chair of the University of Murcia (UMU) and Eurovértice.

## ACTION PROGRAMME IN THE AFTER LIFE PERIOD.

The maintenance of the actions, as well as the continuation of the collection of data obtained from the meters, is essential to keep the actions of the project alive. In this way, the partners will be able to disseminate how LIFE CityAdaP3 is progressing over time, and demonstrate the operation of the techniques for adaptation to climate change of their municipalities.

The involvement of the partnership in general, and the commitment of local authorities in particular, to the maintenance of the pilot actions, is essential to achieve the objective of this plan.



# ACTIONS TO BE CARRIED OUT IN THE AFTER LIFE PERIOD LISTED ACCORDING TO THE OBJECTIVES OF THE PROJECT.



## MODEL PRIVATE PUBLIC PARTNERSHIP

1

The Federation of Municipalities of the Region of Murcia will focus on the public-private collaboration model in its advisory strategy for the 45 municipalities. The LIFE CityAdaP3 model will be presented as a successful example for local public administrations in the region to have this option as a reference for financing climate change adaptation actions in the urban area.

2

The partner municipalities will disseminate the model of public-private collaboration both to stakeholders and to other municipalities to publicize its results and benefits. Likewise, they will continue to consider the model created as a way of financing the actions of the municipal PACES.

3

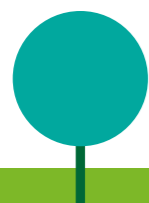
The municipalities will maintain relations with the co-financing companies through the communication channels and working mechanisms established with the project. In addition, they will use the same approach to attract new companies capable of financing actions to adapt to climate change in their territories, always being able to count on the advice of the CSR Chair of the UMU.

4

The CSR Chair of the University of Murcia (UMU) will integrate the model of collaboration with local companies in its teaching programming as part of the Master's programme. Materials e-learning course

5

EuroVértice will disseminate the model of public-private collaboration between local entities and companies with which it works, with the aim of promoting its application as a form of co-financing of actions to adapt or improve the environment. It will also consider and promote its inclusion as a complement to European funding in the projects it drafts and manages for public entities.





## TRANSFER AND REPLICATION



6

The partners will take into account the results of LIFE CityADaP3 and the lessons learned to establish them in new projects as starting points. Municipalities will

7

replicate the adaptation models and funding mechanisms applied during LIFE CityADaP3 elsewhere with the same needs.

8

The CSR Chair of the University of Murcia will continue to involve new companies active in Corporate Social Responsibility in climate change adaptation measures in other projects. It will promote the implementation of new collaboration agreements between local companies and other municipalities based on their CSR in the framework of other initiatives. It will also promote the inclusion of climate change adaptation measures among the environmental commitments and CSR strategies of other companies.

9

The project partners will continue to present the advantages and virtues of the public-private partnership model created at events and meetings, encouraging its implementation at European level.

10

The partners will also continue to disseminate the materials and guides created on the successful models resulting from the project, as tools to facilitate their application.



## PILOT ACTIONS

11

The municipalities will hold meetings with the PACES monitoring groups and co-financing companies to report on the status of the pilot actions and their results and progress.

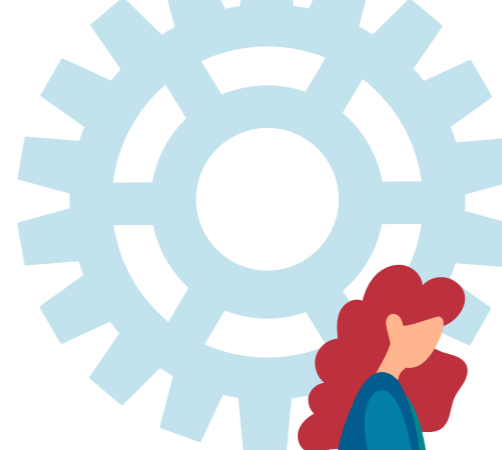
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The municipalities will maintain the infrastructures of the pilot actions, as well as the software and measurement systems for obtaining data. Likewise, the knowledge results of the works and research derived from these actions will be applied to other municipal projects.





# COMMUNICATION AND DISSEMINATION



13

The results of the project will be part of the work programme of the other partners. Therefore, these data will be disseminated in meetings, events, training courses or professional presentations.

14

The agenda of each of the members of the partnership is very rich, so the results will be communicated in specialized events in the environment, urban planning, European projects, etc., that are organized by themselves or as guests to these.

15

The LIFE CityAdaP3 website, and the social media profiles of this project (X and LinkedIn) will be maintained and fed with posts (reel, stories, publication) periodically, whose content will be the progress of the results, the actions that are held in the pilot actions, the events in which the project is mentioned or is the protagonist, etc.

16

The LIFE CityAdaP3 team will hold a partner meeting (online) to present the status of the pilot actions and their results one year after their completion, to study their evolution over time, and also to be able to present, if greater replication has been achieved applying the public-private collaboration model.

17

The City Councils will promote the organization of cultural and informative activities in the environment of the pilot actions, so that the public knows these municipal points and their transformation through the informative posters installed in them.

18

Each of the activities related to sustainability and replication of the LIFE City AdaP3 will also be communicated through the sending of press releases to the media (press and digital media, radio and television).

19

A program of events will be scheduled to give it dissemination, and communicative material with the key results of the project, which will be disseminated at these events.

20

Likewise, the LIFE City AdaP3 newsletter will be sent to the subscribed users, whose periodicity will depend on the amount of news generated by the actions themselves.

21

Accessibility to the guides, documents and materials created with the project will be guaranteed through the website.



# TIMETABLE, BUDGET, EXPECTED RESULTS AND MONITORING INDICATORS

Nº. OF ACTION	OBJECTIVE	EXPECTED RESULT	CALENDAR	RESPONSIBLE	BUDGET	FUNDING SOURCE
<b>A. MODEL PRIVATE PUBLIC PARTNERSHIP</b>						
1	Dissemination of the public-private partnership model.	Replication of the model in other municipalities and increasing the knowledge of local companies of these to create financing frameworks for other projects.	2024-2029	Federation of Municipalities of the Region of Murcia (FMRM)	€	Own resources (staff involved in the project)
2	Dissemination of the public-private partnership model.	Replication of the model in other departments of the municipalities, to create financing frameworks for other projects.	2024-2029	Municipalities of: Alcantarilla, Lorquí, Molina de Segura, Reggio Emilia	€	Own resources (staff involved in the project)
3	Dissemination of the public-private partnership model.	Strengthen relations with co-financing companies and attract new companies capable of financing actions to adapt to climate change in their territories.	2024-2029	Municipalities and CSR Chair of the UMU	€	Own resources (staff involved in the project)
4	Dissemination of the public-private partnership model as a success story	Publicize the model as a result of success among CSR students.	2024-2029	CSR Chair of the UMU	€	Own resources (staff involved in the project)
5	Apply the public-private partnership model in other projects.	Publicize the model and obtain new financing through other projects.	2024-2029	Eurovértice	€	Own resources (staff involved in the project)
<b>B. TRANSFER AND REPLICATION</b>						
6	Apply the results in other projects.	Improvement of new projects and expansion of new knowledge.	2024-2029	Project partners	€	Own resources (staff involved in the project)
7	Apply the results in other projects based on a knowledge base and proven administrative methods and processes.	Achieve successful results in new projects.	2024-2029	Municipalities of: Alcantarilla, Lorquí, Molina de Segura, Reggio Emilia	€	Own resources (staff involved in the project)
8	Involvement of new companies, and incorporating environmental commitments in the CSR of companies.	Achieve new agreements with local companies under the commitment to adapt to climate change.	2024-2029	CSR Chair of the UMU	€	Own resources (staff involved in the project)
9	Awareness and inclusion of environmental commitments in companies.	Inclusion of climate change adaptation measures among environmental commitments and CSR strategies of other companies.	2024-2029	Project partners	€	Own resources (staff involved in the project)
10	Make known the advantages of the PPP model and continue to use it in other European projects.	That the target audience knows the advantages and virtues of the public-private collaboration model, and replicate it through application at European level.	2024-2029	Project partners	€€€	Own resources (staff involved in the project)

Nº. OF ACTION	OBJECTIVE	EXPECTED RESULT	CALENDAR	RESPONSIBLE	BUDGET	FUNDING SOURCE
<b>C. PILOTS ACTIONS</b>						
11	Keep stakeholders informed and disseminate the results.	Maintain the active connection with the group of experts so that they continue to collaborate with other projects.	2024-2029	Municipalities of: Alcantarilla, Lorquí, Molina de Segura, Reggio Emilia	€	Own resources (staff involved in the project)
12	Maintenance of pilot actions.	Sustaining the pilot actions for their conservation and development, and obtaining results.	2024-2029	Municipalities of: Alcantarilla, Lorquí, Molina de Segura, Reggio Emilia	€€	Own resources
<b>D. COMMUNICATION AND DISSEMINATION</b>						
13	Disseminate the results of the project through the work program in the municipalities.	Expand the degree of knowledge of the project in the citizens and that this takes into account the infrastructures as part of their life.	2024-2029	Municipalities of: Alcantarilla, Lorquí, Molina de Segura, Reggio Emilia	€	Own resources (staff involved in the project)
14	Disseminate the results of the project through the calendar of events and technical work.	Expand the degree of knowledge of the project in the target audience.	2024-2029	Eurovértice FMRM UMU	€	Own resources (staff involved in the project)
15	Dissemination of the project on the official website and in the profiles of RR.SS.	Keep web users and followers informed in RR.SS.	2024-2029	Federation of Municipalities of the Region of Murcia	€	Own resources (staff involved in the project)
16	Continue to generate project messages and disseminate status and results.	Create a need for belonging among the target audience of the project, not forgetting the actions carried out.	2025	All the partnership	€	Own resources (staff involved in the project)
17	Use the spaces created by the pilot actions and keep them active in the minds of citizens.	Strengthen the brand image of LIFE City AdaP3, and increase the degree of knowledge of the project.	2024-2029	Municipalities of: Alcantarilla, Lorquí, Molina de Segura, Reggio Emilia	€	Municipal resources
18	Continue spreading the benefits of the project.	Content for web, RR.SS, media, and generate belonging among the population.	2025-2029	All the partnership	€	Own resources
19	Continue spreading the benefits of the project.	Create a need for belonging among the target audience of the project not forgetting the actions carried out	2025-2029	Municipalities of: Alcantarilla, Lorquí, Molina de Segura, Reggio Emilia	€	Municipal resources
20	Continue spreading the benefits of the project.	Crear necesidad de pertenencia entre el público objetivo del proyecto no olvidando las acciones realizadas	2025-2029	Federation of Municipalities of the Region of Murcia	€	Own resources
21	Provide the interested target audience with the materials created during the project.	Generate new synergies with other projects, entities and companies	2025-2029	Federation of Municipalities of the Region of Murcia	€	Own resources

# 7 INDICATORS OF SUCCESS AFTER LIFE PLAN

The status of the following indicators will be reviewed annually to monitor compliance with the plan

INDICATOR	TOTAL OBJECTIVE TO 5 YEARS	REVIEW PERIOD
New agreements signed by companies in partner municipalities	12. (minimum 3 agreements per partner)	Biannual
New agreements signed by companies in other municipalities	8 (minimum 2 per municipality)	Biannual
Replication of pilot actions	8 (minimum 2 per pilot action)	Biannual
New Paces actions co-financed by companies in partner municipalities	4 (minimum 1 per municipality)	Annual
Events in which the LIFE CityAdaP3 methodology is presented	35 (minimum 5 per partner)	Annual
Working sessions and networking activities in which the project is presented	35 (minimum 5 per partner)	Annual
Visit to the web	1000 unique visitors (minimum 200 per year)	Annual
Press releases	25 (minimum 5 per year)	Annual
Post on RR.SS.	50 (minimum 10 per year)	Annual
Number of radio and TV appearances	20	Annual



LIFE19 CCA/ES/001209



## LIFECITYADAP3

@LIFECITYADAP3 LIFE CITY ADAP3 CLIMATE CHANGE ADAPTATION



*"This project has been carried out with the financial support of the European Union in the framework of the LIFE programme. The contents are the sole responsibility of the LIFE CITYAdaP3 project and can under no circumstances be regarded as reflecting the position of CINEA, nor can CINEA be held responsible for any use which may be made of the information contained therein."*