LIFE CLIMATE CHANGE ADAPTATION

CLIMATE PROOFING URBAN MUNICIPALITIES

LIFE UrbanProof

LIFE15 CCA/CY/000086

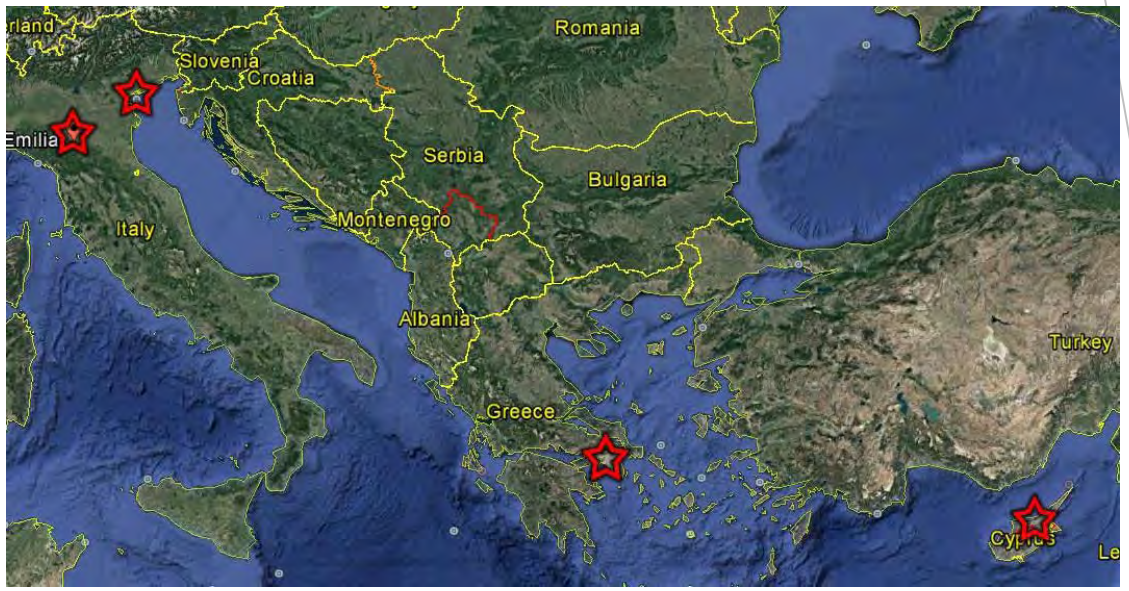
01/10/2016 – 31/05/2020

LIFE URBANPROOF
CLIMATE PROOFING
URBAN MUNICIPALITIES

LIFE UrbanProof

PROJECT LOCATION:

Cyprus
Greece
Italy



BUDGET INFO:
Total amount: 1,854,000 €
EC Co-funding: 60%

DURATION: 44 months
Start: 01/10/2016 **End**: 31/05/2020

LIFE URBANPROOF
CLIMATE PROOFING
URBAN MUNICIPALITIES

PROJECT'S IMPLEMENTORS

- **Coordinating Beneficiary:**
  - Department of Environment - Ministry of Agriculture, Rural Development and Environment of Cyprus (CY)

- **Associated Beneficiaries:**
  - Municipality of Reggio Emilia (IT)
  - Municipality of Lakatamia (CY)
  - Municipality of Strovolos (CY)
  - Municipality of Peristeri (GR)
  - National Technical University of Athens (GR)
  - National Observatory of Athens (GR)
  - Università IUAV di Venezia (IT)

Main Project's Aim

The overall aim of the project is to increase the resilience of municipalities to climate change, equipping them with **a powerful web-based tool** for supporting better informed decision making on climate change adaptation planning.

LIFE URBANPROOF
CLIMATE PROOFING
URBAN MUNICIPALITIES

Project Objectives

- To develop local adaptation strategies for the partner municipalities.
- To provide information on the future climate changes at local level.
- To identify the impacts and evaluate the vulnerabilities of the partner municipalities to climate change.
- To enhance public involvement and participation in adaptation planning.
- To identify, evaluate and prioritize adaptation options.
- To implement, demonstrate and promote green and soft adaptation measures.
- To promote the adoption of the proposed methodology and adaptation options in order to maximize transferability and replicability.
- To promote public awareness on climate change.

Groups of actions

- **A. Preparatory actions**
- **C. Implementation actions**
- **D. Monitoring of the impact of the project actions**
- **E. Communication of results**
- **F. Project management and monitoring of the project progress**

LIFE URBANPROOF
CLIMATE PROOFING
URBAN MUNICIPALITIES

UrbanProof main implementation (C) actions

- Simulation of current climate and projection of future changes in climate
- Local vulnerability and adaptation assessment
- Development of the UrbanProof toolkit for supporting cities in adaptation planning
- Implementation, optimization and demonstration of the UrbanProof toolkit
- Implementation of selected green and soft adaptation measures
- Development of adaptation strategies for the partner municipalities

LIFE URBANPROOF
CLIMATE PROOFING
URBAN MUNICIPALITIES

UrbanProof Toolkit

The web-based platform tool (UrbanProof toolkit) will provide better informed decision making by enhancing the knowledge based on:

- climate change projections at local level
- the assessment of vulnerability and risk at local level
- the assessment of the available adaptation options
- the monitoring of the adaptation process
- the evaluation of the effectiveness of the adaptation efforts

LIFE URBANPROOF
CLIMATE PROOFING
URBAN MUNICIPALITIES

UrbanProof Toolkit

The UrbanProof toolkit consists of five interdependent modules/stages which, altogether constitute the adaptation process.

Stage 1: Climate change

At this stage/module of the toolkit the user will be able to explore through an interactive map, the current climate of an area as well as the projected climate change for two different emission scenarios and for different time periods.

Stage 2: Vulnerability assessment

Next the user will be transferred to the Vulnerability assessment module of the toolkit where the user will be able to explore the degree of vulnerability.

LIFE URBANPROOF
CLIMATE PROOFING
URBAN MUNICIPALITIES

UrbanProof Toolkit

Stage 3: Assessment of adaptation measures

At this stage the user will be transferred to the Multi-Criteria Analysis (MCA) module of the toolkit where the adaptation options for addressing a certain climate change impact as well as the evaluation of their performance will be presented while the local stakeholders will be able to provide their own evaluation to the adaptation options.

Stage 4:Development of the adaptation strategy

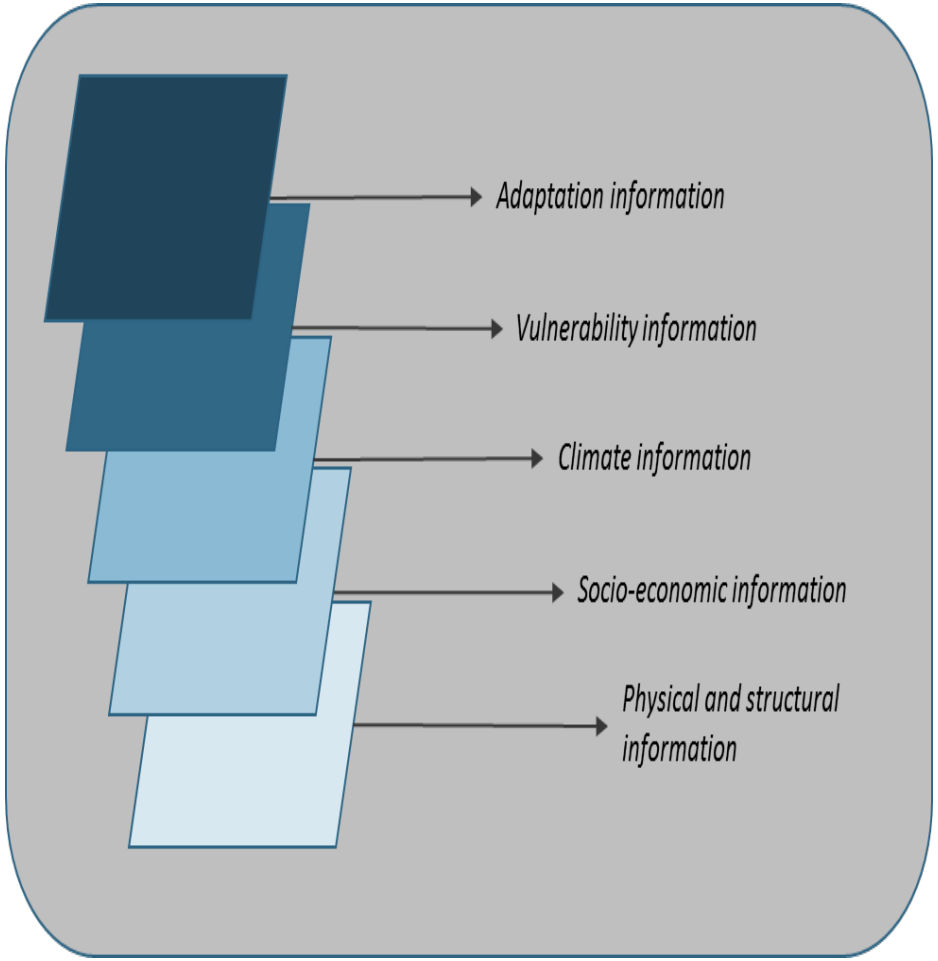
At this stage the user will be able to download a report with the adaptation options upon which adaptation strategies will be built.

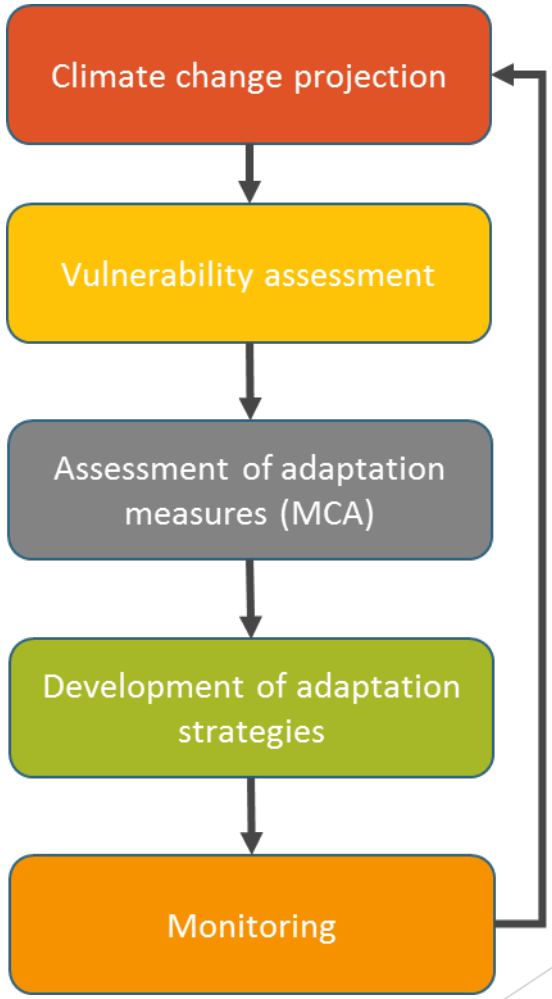
Stage 5:Monitoring and review

The user will be able to monitor and review the adaptation progress.

LIFE URBANPROOF
CLIMATE PROOFING
URBAN MUNICIPALITIES

UrbanProof Toolkit





LIFE URBANPROOF
CLIMATE PROOFING
URBAN MUNICIPALITIES

Thank you for your attention

LIFE URBANPROOF
CLIMATE PROOFING
URBAN MUNICIPALITIES