



Green Roofs for Tirana

about project

L36



Budget

-



Municipal contribution

Project Design,
implementation and
monitoring



**BETTER
LIVING**

PROJECT DESCRIPTION

The project is designed in five main phases:

1. Identification of the buildings where green roofs will be applied
2. Design and projection of green rooftops with the help of the Directorate of Territorial Planning
3. Cleaning of the existing roofs of the buildings from water tanks, antennas, etc.
4. Implementation of the green roofs
5. Maintenance (automated irrigation may be applied)

OVERALL OBJECTIVE

The overall objective of the project is to add greenery to the existing buildings rooftops in the city of Tirana, helping reduce air pollution, improve air quality, adapt to climate changes and also improve energy efficiency in the selected buildings.

PROJECT IMPLEMENTATION MODALITY

The project will be implemented after receiving approval by the residents of the buildings where green roofs will be applied. The project will be implemented in new and older buildings in the city of Tirana in order to reduce air pollution and smog, adapt to climate changes and improve energy efficiency. A group of experts (engineers, architects, etc.) will identify potential buildings where to apply the green roof concept, and subsequently design the detailed project for green roofs application. Parallel to this, the rooftops will be cleaned from water tanks, antennas and other objects in preparation for the start of implementation. All terraces will be covered with insulating material, waterproof protection material, noise protection material, etc., and subsequently a layer of soil will be added to enable the planting of the vegetation. The green roofs applications should be finished in no more than 8 months. In addition an automated irrigation system may be applied in order to maintain the vegetation.

PRELIMINARY IMPACTS

- ⇒ Improved air quality and smog reduction due to increased vegetation
- ⇒ Improved energy efficiency in the selected building where green roofs will be applied. They will be functioning as a protective barrier against atmospheric factors
- ⇒ Noise reduction
- ⇒ Reduces floods and improves storm water management
- ⇒ Increase of the recreational spaces in the city
- ⇒ Creating local jobs
- ⇒ Increased value of the building
- ⇒ Aesthetic improvement of the building
- ⇒ Awareness of the residents about the benefits of the application of the green roofs
- ⇒ Improved environmental quality and also improved life quality for the community.