

AELCLIC_PATHFINDER PROJECT
Adapting european landscapes to climate change
REPORT of the 1° WORKSHOP
Multiplier pilot landscape
BUCHAREST



Activities coordination for the pilot areas in south-eastern Europe:
University of Bologna (contact: Daniele Torreggiani)
Third parts for the pilot landscape of Carol Park and Filaret neighborhood
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pentru viitor
și Resurselor Umane!

July 4th 2019

This workshop, co-organized by University of Bologna and Eurodite SRL, has been held in the multiplier pilot landscape of the city of Bucharest. In the area of “Parcul Carol and Filaret-Rahova neighborhood”, selected as one of the 16 pilot landscapes of the project, the AELCLIC project aims to create a network of local stakeholders with the capacity to co-define plans for the Adaptation of their landscape to Climate Change. In particular, this workshop involved local stakeholders connected, at different levels, with the pilot area, presenting them the project, and allowing them to co-identify the impacts of climate change on the local landscape and opportunities for the future definition of a Landscape Adaptation Plan to Climate Change.

PARTICIPANTS:

Organizers

University of Bologna (partner of the AELCLIC project, Coordination of pilot areas in South-Eastern Europe): **Daniele Torreggiani** (referente attività aree pilota Europa Sud orientale progetto AELCLIC), **Ludovica Marinaro** EURODITE srl (third part of the AELCLIC project): **Joep De Roo, Cristiana Stoian**

Organizers:

University of Bologna,
EURODITE Srl.

Stakeholders who have agreed to be part of the AELCLIC network:

Factory Hesper: Alexandru Tararescu;
National Institute of Materials Physics: Adelina Stanoiu;
Architect, private citizen: Iulia Laura Vasile;
Ministry of the Environment: Sergiu Cruceanu, senior advisor;
Urbasofia (urban planning company): Miruna Draghia;
Fundatia Simetria NGO: Anca Burcus, student of landscape architecture;
National Heritage Institute: Irina Leca, Vice-President of the ARCHÉ NGO.

The following stakeholders agreed to be part of the AELCLIC network but could not attend the workshop:

Terra Mileniul III (NGO): Lavinia Andrei, president
National Astronomical Institute (direct stakeholder in the area): Sorin Marin, researcher.

The following could not attend the workshop due to their schedule, but would like to be involved in the future in case the project continues:

Miruna Trica, involved in several local organisations that deal with community activation in the Carol Park area

WORKSHOP AGENDA

09:00 - 09:30 - coffee/ pastry welcome

09.30 - 10.15 | The AELCLIC project: Towards a climate change adaptation plan

Daniele Torreggiani, University of Bologna: Opening welcome, Description of the AELCLIC project, Work-plan and activities in the pilot area, Main climate change impacts in the region;
Presentation of the pilot area: Joep Erik De Roo, Eurodite: Cultural heritage of area;
Miruna Draghia, Urbasofia: spatial planning/planned development;
Anca Burcus, Fundatia Simetria: Landscape analysis

10.15 - 11.15 | Changing Landscapes: Perceived impacts on local territories.

Group work on climate impacts, heritage values and urban planning aspects of the park
Participants work on the diagnosis of critical issues and impacts related to climate change, describing the already tangible and predictable consequences they notice or experience in the pilot area. Impacts are visualized and mapped in real time.

Coffee break 11.15-11.30



**11.30- 12.15 | Envisioning landscape to nourish the future plan.**

Brainstorming based on the results of the diagnosis of the first part of the morning. The stakeholders are invited to reflect on the possible adaptation solutions that could be implemented in the specific context, on the objectives that the adaptation plan should take and on the themes and contents that the plan should deal with.

12.15 - 13.00 | Building the AELCLIC's local network.

Plenary discussion: each stakeholder is invited to discuss about the opportunities that can derive from a network collaboration between various local players, in terms of role and contribution in a future project that take care of creating an adaptation plan for the local landscape.

13.00 - 13.30 | A ROAD MAP for AELCLIC plan. Conclusions of the workshop.**MAIN GOALS OF THE WORKSHOP**

1. Downscaling analysis of climate change impacts;
2. Creation of a local ecosystem of stakeholders;

1. Downscaling analysis of climate change impacts. Participants have started from an analysis of general and widespread climate change impacts and have then focused on the pilot area.

Some key questions opened the discussion for the identification of the problem:

- What impacts derive from Climate Change?
- Critical issues related to climate change.
- Impacts on the local landscape, in terms of life, environment, local productive and economic activities, cultural and natural heritage, wellbeing of inhabitants.

The key impacts identified are:

- Heat waves;
- Increased temperatures;
- Extreme events;
- Sudden events;
- Air Pollution;
- Water scarcity;
- Seasons change and loss of seasonality;
- Tropicalization
- Soil impermeability
- Loss of Fauna;
- Birds proliferation

The key themes identified to focus on within the project are:

1) Maintenance of the park and the neighborhood public spaces network:

- Ordinary maintenance (better knowledge of the urban landscape): water nets; maintenance of paths and roads; downstream problem with poor channeling; vegetation;
- Extraordinary maintenance: to face repeated flooding; destruction of trees; difficulty in managing utilities consumption; ...

2) Water management

Lowering of ground level water

3) Impermeability or poor permeability of soils;

4) High temperatures and thermic discomfort;

Lack of thermal comfort and consequent necessity to

use of air conditioning;
Discomfort for weaker groups;

5) Vegetation: management and opportunities

There is no long term plan for vegetation in the Park and moreover in the neighborhood; The network highlights the need to understand vegetation's key role and issues;

6) Ecosystem balance

The network highlights the need to restore the ecosystem balance that now presents some critical signals as the:

- Increasing number of insects and seasonal allergies;
- Proliferation of invasive species (crows)

7) Industrial Heritage enhancement

The conspicuous industrial heritage which is present in the pilot area nowadays is mostly abandoned and it needs to be protected and enhanced.

8) Manage extreme events as Flooding

There is the need to study some solutions to cope with extreme events, as the number of summer storms, especially in particular areas e.g. subway, watershed.

9) Mobility

The need to rethink mobility is a very important issue, as it would be the first necessary step in order to reduce traffic and air pollution;

Therefore some action would be required to counteract the scarce appeal of slow mobility infrastructures.

10) Tourism

Manage the impacts on tourism as the lack of management of the park (paths, stairs, facilities for



tourism) damages the facilities, downgrading the quality of spaces.

Face the loss of seasonality.

2. Creation of a local ecosystem of stakeholders:

As key impacts and critical issues identified by the group work have been summarized, each stakeholder is invited to think about the opportunities and potential contribution (knowledge, skills, activities, etc.) and possible synergies related to a future project for the definition of a Landscape Adaptation Plan to Climate Change (LACAP).

The main cross-sector and transversal themes which have come out from the work-group are as follows:

- Initiate actions to raise awareness of citizens and neighborhood residents about climate change effects and the need to create a climate change adaptation plan;
- Foster a mature environmental awareness;
- Raise awareness about the role and the value of vegetation, in general and to face climate change, as people often see trees merely as objects;
- Increase public green spaces even for thermal regulation purposes;
- Promote the natural heritage values protection;
- Provide actions to make ecosystem in balance again fostering also the rediscover the biodiversity;
- Improving alternative and sustainable mobility in the city;
- Act directly on the network of public spaces and above all on the soft mobility; system to improve the quality of the places;
- Make a clearer link between the limits of the park

and the surrounding tissue;

- Foster the integration of renewable energy solutions in the city (especially solar roofs, or implementing the "Casa Verde Project");
- Act on the built heritage to increase the energy efficiency of buildings;
- Create green pockets connected to the park in the neighborhood;
- Create green roof demonstrator projects in the neighborhood;
- Improve the attractiveness of the Park;
- Turn the Carol Park into a flagship hub of innovation in the climate change and sustainability domains (similar to an exhibition center, a demonstrator of climate change adaptation and dialogue with the industrial heritage with educational purposes);
- Retention solutions for water;
- Need for storytelling to improve the park sensory perception;
- Start a monitor activity on the quality of air, the vegetation status, social uses and perception , ...;
- Importance of the connection with spatial and landscape planning tools and of the involvement of the municipality of Bucharest / a municipality district in the network.

From the work group, different opportunities have been identified. They are directly identified with places or features whose involvement in the project could provide desirable adaptation conditions and synergic actions:

- Carol Park and Filaret neighborhood
- Tineretului Park (provide links) ;
- Industrial heritage buildings;
- Cismigiu park (provide links) ;

→
Results of visualization work
carried out by the facilitators
during the workshop.
HESPER Factory



Potential contribution related to a future project for the definition of a Landscape Adaptation Plan to Climate Change.

The network identified the achievable goals and the possible synergies between the various participants. The main potential contributions can be summarized as follows:

- Data and knowledge, raising awareness and dissemination;
- Study of impacts on the energy front, knowledge about solar cells, demonstrator activities;
- Knowledge on built heritage and especially on industrial heritage and architecture;
- Heritage studies, activation of heritage buildings, linking partners (ICOMOS) for trying to get grants; Cultural tours; community activation;
- Community awareness; networking with local actors;
- Information about vegetation, creation of a green registry, create a ASoP – map for green management; provide volunteers to manage the park;
- Collecting data about the uses and activities of the park;
- Knowledge on technical climate change measures;
- Networking and involving other actors to build a strong network and also for potential regeneration projects;
- Promoting internal/external awareness and dissemination through the own business, financial and entrepreneurial network.
- Write proposals, documents, drawings

Thank you!