PILOT ACTION PLAN | Piedmont

LOS_DAMA!
Landscape and Open Space Development in Alpine Metropolitan Areas
Priority 3 – Liveable Alpine Space
Project duration: 01.11.2016 – 31.10.2019
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<tr>
<th>Version</th>
<th>Date</th>
<th>Author</th>
<th>Organisation</th>
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<td>07.07.2017</td>
<td>Guillaume Tournaire</td>
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<td>Martina van Lierop</td>
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</table>
Content

A ........................................................................................................................................................................4
1 Piedmont | LOS_DAMA! local strategy and overall project ........................................................................4
1.1 Short description of the overall territory and of local pilot(s) .............................................................4
1.2 Challenges in regard to landscape issue and green infrastructure planning and implementation ....4
1.3 General objectives in LOS_DAMA! at the scale of the local territory ............................................4
1.4 Stakeholder process in the project .......................................................................................................4
1.5 Strategy and methods to work at local level .......................................................................................4
1.6 Main actions with timeline .................................................................................................................5
1.7 Milestones of the project(s) .................................................................................................................5
C ........................................................................................................................................................................6

Piedmont | Poster / map of pilot project ........................................................................................................6

D ........................................................................................................................................................................7
1 Piedmont | Local pilot information and implementation ............................................................................7
1.1 General information on the local pilot project .......................................................................................7
1.2 Objectives/goals ......................................................................................................................................8
1.3 Milestones and deliverables ...................................................................................................................9
1.4 Funding ................................................................................................................................................10
### 1.1 Short description of the overall territory and of local pilot(s)

- The test region identified by the Piedmont Region for the LOS_DAMA! project concerns the territory of "Corona Verde".

Corona Verde is a strategic project that Piedmont Region has enabled to implement their own policies about landscape and environment in metropolitan areas, through the creation and sustainable management of a green infrastructure that integrates the UNESCO World Heritage (Crown of Delights and Savoy Residences) with a green belt of parks, rivers and rural areas existing in the metropolitan area of Turin.

- The territory of this test region extends from the City of Turin to the other municipalities (93 municipalities) with an area of almost 165,000 hectares and a population of about 1,800,000 inhabitants.

### 1.2 Challenges in regard to landscape issue and green infrastructure planning and implementation

- sustainable planning of green and blue infrastructures: outcome of an information and training process that starts from the cognitive framework of the state of resources and territorial vulnerabilities;

- multi-scale approach to define the local vocations, expand the reference of plans and projects, focus on reciprocal relationships between different scales, guide policies and more effectively evaluate the effects of their implementation.

### 1.3 General objectives in LOS_DAMA! at the scale of the local territory

At the scale of the local territory, the overall objectives of the LOS_DAMA! project will be implemented through a series of activities that simultaneously enable implementation of the general and specific objectives of the project.

This will happen through:

- capitalization of the experience gained in Piedmont territory with the Corona Verde strategic project;

- integration with the elements emerging in the recent cultural debate on Green Infrastructures and Ecosystem Services;

- experimentation with innovative approaches to sustainable land and landscape planning and management.

This will be an ecosystem approach to the territorial planning, considering the Nature Based Solutions approach to address social challenges such as climate change, water security, food security, human health and management of the risk of disasters. Territorial planning and wide-scale landscape needs to focus on opportunities for reducing territorial vulnerability and introducing resilience criteria through the use of green and blue infrastructures.

### 1.4 Stakeholder process in the project

- Stakeholder process will be through work lab focused mainly on the definition of a over-municipal area planning plan for green infrastructure.

- This document will cover a specific area of the Corona Verde territory that will be defined during the project planning process. In the elaboration of the document, both the analyzes and the models developed in a methodological document and the contributions emerging from the discussion tables with all the stakeholders involved will be taken into account. The outcome of the discussion boards and the participatory planning path will be aimed at achieving an understanding for the definition of an over-municipal structural planning tool. The activities are aimed at experimenting with new planning models and guiding municipal administrators in the process of Landscape Regional Plan implementation.

### 1.5 Strategy and methods to work at local level

- The strategy and specific activities will be aimed at defining models and operating modes aimed at enhancing landscapes and peri-urban areas. The proposed methodology should cover a sustainable
planning and management of the territory and Green Infrastructures, based on an ecosystem approach to conserving the diversity and balance of the territory, in a perspective of sustainability. The fundamental point of arrival of this strategy is the multi-scale approach to spatial planning.

### 1.6 Main actions with timeline

The activities will specifically concern:

- the definition of an integrated territorial vision that covers the entire Corona Verde territory, based on a Nature Based Solutions approach, landscape ecology, and the ability of Ecosystem Services and Green Infrastructures to produce benefits in an ecological, social and economic way;
- the definition of a methodology for the Integrated and Sustainable Planning of Green Infrastructures that integrates the themes of Ecosystem Services and Water (in synergy the activities developed in the pilot area of AlpES project) and their role in territorial governance, to be implemented on Corona Verde, based on the availability of local governments to experience the LOS_DAMA! approach within its planning tools;
- the definition of a landscaping project, local and supra-local, which takes into account the assessment of "ecosystem health", their sensitivity and vulnerability, defines the study of the landscape in coherence with the identity and integrity of the territory and the participation and awareness of stakeholders involved among the components that characterize the ecosystem approach; the definition of a methodology for assessing the environmental, social and economic benefits of green infrastructure and its application, in order to highlight both the intrinsic value of the green infrastructure and the increase in value and benefits generated by the implementation of the landscaping project;
- the definition of an interated environment, territory and landscape management system (EMAS) for a sustainable and innovative management of metropolitan green infrastructures.

### 1.7 Milestones of the project(s)

**Very short presentation of the main milestones of the overall local project.**

- Ecosystem approach to planning: intercommunal scheme of territorial government
- Water map
- Green and blue infrastructure project
- Methodology for the sustainable management of green and blue infrastructures
Piedmont Region - Pilot Project

New approaches to re-plan the Green Infrastructure “Corona Verde”.
A integrated peri-urban landscape management

“CORONA VERDE” in LOS_DAMA I Project

CORONA VERDE MASTERPLAN

INTEGRATED TERRITORIAL VISION
The vision will be based on new concepts: Nature Based Solutions, Landscape Resilience, and on ability of Ecosystem Services and Green Infrastructures to produce benefits in ecological, social and economic terms. Furthermore, an Integrated Environment, Territory and Landscape Management System (possibly registered EMAS) is planned for a Sustainable and Innovative management of Metropolitan Green Infrastructure.

LANDSCAPE PROJECT

INTEGRATED MANAGEMENT SYSTEM
Environment - Territory - Landscape

EVALUATION BENEFITS
Green Infrastructures

SUPPORT FROM THE EUROPEAN UNION: € 2,208,742

European Regional Development Fund

FOR CO-FINANCING BY THE EUROPEAN UNION

PROJECT SELECTED
1 Piedmont | Local pilot information and implementation

Within Part D the focus is on the local pilot project. It describes the local project area, the problems, and the stakeholders. Moreover, it describes how the local pilot project will be managed, the actions and milestones, the monitoring and which lessons are finally learned. Grenoble and Munich fill part D for each of the three pilot projects.

1.1 General information on the local pilot project

Map of the project area.

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**Context**

In this territory, a path for the implementation of green infrastructures began as early in 2001, as well as a path of awareness and communication on the territory through the strategic project "Corona Verde". Green crown project was born from Regional Parks Management Bodies together with Regione Piemonte and Politecnico of Torino.

The main objective was to retrieve a more balanced relationship between city and nature promoting the well-being of citizens with interventions which are able to reconstruct the image and the identity’s values through the development of the characteristic territorial elements, important and strategic resources.
The main instruments of the Project was elaborated through a multi-governance, participated and shared process and represents an useful instruments able to activate a Strategic Programme in a medium-long term period (15-20 years).

The Green Crown Plan is the referring Plan for the spatial planning and the sustainable development of this metropolitan area and it intends to consider the green open areas and landscapes as well as the others traditional topics (transports, services network, urban areas, land use, cultural and historical resources, etc.).

The pilot project of LOS_DAMA! It intends to introduce in this territory new approaches to the implementation of GI in peri-urban areas that integrates new concepts as ecosystem service, vulnerability and resilience and nature based solutions.

**Content**

The pilot actions of the Piedmont Region develop to define an ecosystem-based approach for sustainable planning and management of green infrastructures in the Turin metropolitan area (Corona Verde). The project is characterized by a multi-scale approach to the planning of green infrastructures:

On Corona Verde area a strategic project that includes 93 municipalities around the city of Turin an integrated territorial vision shall be rooted in nature-based solutions and landscape ecology, building on ecosystem services. It will benefit ecological, social and economic development (green line on map above).

Main Ouput:

At inter-municipal level (about 10-15 municipality), Piedmont Region strives to introduce green infrastructure into its territorial and urban planning through a structural planning scheme and an integrated management system according to the Eco-Management and Audit Scheme-EMAS (orange line on map above). At local level a landscape project will be developed (red line on map above).

### 1.2 Objectives/goals

**Main objective(s) of the pilot project**

Please describe the main objective(s) regarding the green/open spaces (e.g. the peri-urban green infrastructure or physical environment) and landscape in the pilot project area:

- Definition of integrated territorial vision with an effective analysis / evaluation tools to define different Ecosystem Services and Green Infrastructure in peri-urban areas that produce different benefits and values.
- Definition of methodology for integrated planning through a governance of the environmental landscape in which Green and Blue Infrastructures are the strategy of responding to vulnerabilities and increasing resilience of peri-urban area.
- Definition of landscape project (pilot) to address and solve relevant issues through green and blue infrastructure and nature based solutions in peri-urban areas.
- Benefits evaluation of green infrastructure in ecological-environmental, social and economics terms.
- Definition of integrated management system (environment-territorial landscape) according to the EMAS standard for sustainable management of green infrastructure at inter-municipal level.

**Collaboration within the local pilot project**

Please describe with whom you will collaborate in the pilot project (e.g. other departments, other governmental bodies or institutions) and describe how and which methods and/or tools will be used.

**ISPRA, Italian National Institute for Environment Protection and Research - (Obserer)** Involvement as stakeholder in local workshop:

- Piedmont Region - Environment, Territorial Government an Protection Directorate – mainly Territory and Landscape Division, coordinator of Regional landscape plan - Ppr (Approved 3 October 2017) Involvement as stakeholder in local workshop and in meetings for technical feedback in all phases of pilot project.
- Piedmont Region - Agriculture Directorate - Involvement as stakeholder in local workshop and participatory planning activities.
- Metropolitan City of Turin - Planning and management of ecological network, protected Area and Environment surveillance department (Obserer) Involvement as stakeholder in local workshop and participatory planning activities.
• Body Management of the Po and Turin Hill Park - (Obserse) Involvement as stakeholder in local workshop
• ARPA Piemonte (regional agency for environmental protection) - Involvement as stakeholder in local workshop and participatory planning activities
• Coordinators of Corona Verde strategic project - as stakeholder in local workshop
  Municipalities involved in the area of the pilot project - definition of Landscape Project Area and as stakeholder in local workshop, participatory planning activities and survey

Participation in the local pilot project
Please describe how diverse non-governmental stakeholders (e.g. citizens, inhabitants, private landowners, etc.) will be involved in the pilot project, and describe how and which methods and/or tools will be used.

• Trade Associations - as stakeholder in local workshop

The intended improvement
Please describe what will be the intended improvement on local level by implementing this pilot project.

• Improvement of sustainable planning of green and blue infrastructures also through evaluation economic of benefits produced and application of Integrated Management System (Environment-Territory-Landscape) at inter-municipality level

1.3 Milestones and deliverables
Please explain the main milestones of the local pilot project, and the deliverables you intend to reach at the end of the LOS_DAMA! project. If possible add a date.

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<tr>
<th>Date (jjj.mm.(dd))</th>
<th>Milestones</th>
<th>Deliverables</th>
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<tr>
<td>2017.09-11</td>
<td>Start working on Integrate territorial vision</td>
<td>Criteria for the sustainable planning of Green Infrastructures (Methodology and Analysis of pilot area)</td>
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<tr>
<td>2018.03</td>
<td>Kick-off of the local project</td>
<td></td>
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<tr>
<td>2018.04</td>
<td>Start working on Benefit evaluation of GI</td>
<td>Methodology and Analysis of pilot area</td>
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<tr>
<td>2018.04-10</td>
<td>Start of stakeholder involvement</td>
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<tr>
<td>2018.10</td>
<td>Large Area Plan</td>
<td>Map of Water, Map of Ecosystem Services, Masterplan, Methodology Report</td>
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<tr>
<td>2018.12</td>
<td>Integrated management system (environment, territory, landscape)</td>
<td>Guidelines</td>
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<td>2019.02</td>
<td>Landscape project</td>
<td>Project of landscape scenario</td>
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<td>2019</td>
<td>Final conference</td>
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<td>2019.09</td>
<td>Publication of Results</td>
<td>Synthetic report of project results</td>
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Added-value of the local pilot project
Please describe what, in your opinion, can be the added value of the pilot project for other LOS_DAMA! partners. This can be a method, a tool, good practice or an experience.

• multi-scale approach for the planning and implementation of green infrastructures (from large area planning to landscape local project)
• a methodology of blue and green infrastructures planning at inter-municipality scale
• a methodology for economic evaluation of benefits brought of green infrastructure
• an integrate management system of green infrastructure at inter-municipality scale

Consolidation and spin-off of the local pilot project
Please explain what the pilot project could offer to local public policies, how the consolidation of the pilot project’s activities and the pilot project’s follow-up will be organised.

Introduction new approch and methodology in regional planning tools, in particular, introduction of Green Infrastructure and Nature Based Solutions concepts in the supra-local planning and in the Bill on the Sustainable Government of the territory.
### 1.4 Funding

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<tr>
<td>Please describe how (parts of) the pilot project will be funded (e.g. the funding framework (from State, region, EU funds, proper resources...)).</td>
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<td>Pilot activities are funded within the LOS_DAMA!-Project.</td>
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<th>Need for (further) funding</th>
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<tr>
<td>Please describe whether there is a need for (further) funding, for which activities, and how you intend to gain these funding.</td>
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<tr>
<td>New funding through the participation of European programs to include the results of the project in regional planning tools</td>
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