

OUTPUT FACT SHEET

Pilot actions (including investment, if applicable)

Version 1

Project index number and acronym	CE 89 LUMAT
Lead partner	IETU
Output number and title	O.T3.1 - Pilot Actions for integrated environmental management in FUAs - Metropolitan City of Turin
Investment number and title (if applicable)	Not applicable
Responsible partner (PP name and number)	LfULG PP3
Project website	https://www.interreg-central.eu/Content.Node/LUMAT.html
Delivery date	07.2019

Summary description of the pilot action (including investment, if applicable) explaining its experimental nature and demonstration character

Pilot action in CMT0 was developed and implemented as a process, inclusive of the definition of working methods and tools, for the construction of an integrated environmental management at FUA level, in the Homogeneous Zone n° 11Chierese-Carnagnolese. This pilot action includes four phases; Each phase was developed considering the specificities of the homogeneous reference area.

Main problem and target of action designed for the Homogeneous Zone was that the area includes 22 municipalities, the territory is extensive and heterogeneous and includes both hilly areas closer to the urban area of Turin and agricultural areas of the plains outside the metropolitan area, the environmental problems and criticalities that are present are many and complex (degraded soils, hydrogeological risk, diffuse urbanization, ...). Furthermore the resources (economic and human) available to the administrations both for the management of the structure and for the implementation of the single projects are extremely scarce.

To face up to and solve these problems and manage the conflicts in the soil, a management structure has been developed. It is based on an existing "Pact" of collaboration between the 22 municipalities and with LUMAT it was extended and integrated for the new purposes. The management structure, coordinated by the City of Chieri: relies on the existing offices of the various municipalities of the FUA; has strengthened the collaboration network in particular of the offices that deal with the environment and the urban administrators (technicians and local administrators); has identified the roles of each within the management structure; has defined a shared methodology to address environmental problems. The FUA management structure it also always carries on the specialized assistance of the technicians of the Metropolitan City of Turin.

The webGIS tool Invito has been made available to the management structure and to all the municipalities (municipal technicians and interested administrators have been trained in its use), in order to facilitate the discussion of the territorial environmental problems of supra-communal relevance, to develop shared solutions, to involve the stakeholders and the people in these choices and to communicate the results obtained.

The pilot action has included the production, through a co-design process, of an Integrated Territorial and Environmental Program, which includes a selection of projects of supra-municipal value aimed at the redevelopment of degraded areas and actions to protect the enhancement of ecosystem services.

The Pilot Action has also included the development of one of the areas included in the Integrated Territorial and Environmental Program and chosen through a process shared by the Management Structure. The aim of the project was both to test the operation of the Structure on a practical case and to study in depth the theme of Ecosystem Services. In the area called "Fontaneto", work has been carried out to restore the agricultural and natural use of soils destined for the municipal spatial plan for productive uses, but no longer useful for this purpose due to changed economic conditions, and because the administration has considered that the proximity of the urban area suggested better and more sustainable uses. A masterplan was then developed in the area which provides three eco-sustainable management scenarios to be realized. Each scenario guarantees a different degree of improvement of ecosystem services and considers the economic value that these can generate. Preserving and improving these services ensures better quality of life for citizens throughout the FUA. The Chieri administration has therefore decided to implement the masterplan in the near future and has already made contact with some stakeholders interested in the project.

NUTS region(s) concerned by the pilot action (relevant NUTS level)

NUTS 2 - Metropolitan City of Turin - partial coverage

Investment costs (EUR), if applicable

Not applicable

Expected impact and benefits of the pilot action for the concerned territory and target groups and leverage of additional funds (if applicable)

The work done with the 22 municipalities has allowed to strengthen the collaboration network between them and to improve the sensitivity of both technicians and administrators to the importance of a supra-local vision of environmental problems, to identify innovative and valuable solutions for the territory and citizens, not only in the single municipality where the problem is located, but for the entire FUA

The concept of ecosystem services has been studied in depth and developed in the pilot project and has led to the definition of solutions that can be adopted in different realities of the territory to support processes of requalification of degraded areas and to protect and improve natural habitats and biodiversity.

The local authorities are expected to benefit from the creation of the new integrated environmental management structure at FUA level as instrument to increase the living quality and attractiveness of the area.

The local population will benefit from the increased ability of administrations to find solutions to solve environmental problems, in particular for the revitalization of brownfield sites and to improve quality of life.

State and national level goals for the increasing of valore dei servizi ecosistemici and biodiversity in FUAs, for riqualificazione delle aree e deisuoli degradati will all be supported with these projects.

Further, the demonstration project of implementazione in the Fontaneto area has brought concrete benefits allowing to recover the natural use of the areas previously destined to be waterproofed for productive uses.

The implementation of the master plan developed by LUMAT (implementation in progress by the Municipality of Chieri that has decided to invest in it) for the protection of ecosystem services will improve the climate change adaptability of the sites and surrounding neighborhoods, helping to improve the quality environment, to preserve soils and vegetation, to protect biodiversity, to improve the quality of the landscape. Finally, these new green areas can directly enjoy the population of the nearby urbanized area also for recreational purposes.

In the medium and long term, CMT0 plans to develop further the concepts of ecosystem services, as exemplified in the pilot projects; the experience of the pilot project will be acquired by the CMT0 and can be used in the preparation of the next General Spatial Plan at metropolitan scale (extending the experience to the other 10 FUAs of the CMT0) and ecosystem seerveces will receive a higher weighting in the decision making of land use planners in the region.

The CMT0 also intends to refer to the new integrated environmental management structure of Chierese - Carmagnolese, to discuss and resolve the local and territorial issues that will have to be addressed in the coming years.

Sustainability of the pilot action results and transferability to other territories and stakeholders.

The results of the pilot action show how integrated supramunicipal planning is essential to find innovative and effective solutions to complex and widespread environmental problems.

The in-depth study of the issue of ecosystem services has highlighted the possibility of implementing new approaches to the issues of environmentally integrated territorial planning and of implementing solutions for the redevelopment and protection of soils that are not based solely on the imposition of constraints on its use, but propose actions to enhance the resource that can also have multiple positive and indirect effects on other environmental components (biodiversity, adaptation to climate change, soil protection from hydrogeological risk, ...).

This experience might become a suitable source of experience for not only LUMAT project partners, but also other FUA with complex environmental problems and with many local administrations involved in decision-making processes aimed at identifying environmental solutions to these problems.

The pilot action can also be repeated in the other 1 FUA area in the region.

Lessons learned and added value of transnational cooperation of the pilot action implementation (including investment, if applicable)

It was found that the municipal administrations have a strong need and desire to be able to work in a joint and synergic way to find solutions to complex problems that alone would not be able to face.

It was noted that, after an initial limited mutual mistrust, the administrations (technical and political) recognized the added value of operating through a management structure within which they could compare themselves, making available all local experience and knowledge.

The theme of ecosystem services has proved to be of great interest and the sensitivity and the administrators towards the needs of environmental protection and enhancement of the territory has increased.

The provision of the GIS Invitation tool was also very much appreciated, as a strong lack of territory of easy-to-use tools was found both for territorial analyzes and for the definition of scenarios and the dissemination of choices towards the citizens.

Contribution to/ compliance with:

- relevant regulatory requirements
- sustainable development - environmental effects. In case of risk of negative effects, mitigation measures introduced
- horizontal principles such as equal opportunities and non-discrimination

Pilot project concerned a series of municipal territories belonging to the Metropolitan City of Turin, which as a large area body is responsible for the strategic and territorial planning of the whole area.

The project was carried out with full involvement and with the approval of all the administrations involved. The demonstration pilot project in the "Fontaneto" (Chieri) area concerned territories that were partly available in part of the municipality in part of private individuals: the masterplan forecasts are coherent with the approved urban planning instrument and no rights have been violated. The design choices defined by the pilot project, in this phase do not produce any negative effect on the environment, but contribute to increasing the general environmental quality of the area and are in any case consistent with the regulations in force in the area of interest.

References to relevant deliverables (e.g. pilot action report, studies), investment factsheet and web-links

If applicable, additional documentation, pictures or images to be provided as annex

D.T.3.2.2 "Implementation of the sustainable environmental and territorial transformation management model"