

OUTPUT FACT SHEET

Pilot actions

Version 2

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
Investment number and title (if applicable)	Not applicable
Responsible partner (PP name and number)	EC
Project website	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	

Based on the development of the FUA, the stakeholders had great expectations of the pilot measures right from the start, even though the budget available according to the application could not meet these expectations. By implementing, as far as possible, a pilot project in each of the five communities in the core area of the Lipizzanerheimat, proposals had to be developed to achieve implementation through further funding. However, the development of the respective pilot measures together with the municipalities or their representatives also led to a better understanding of the LUMAT approach. At the same time, the "usual" argument that only "paper" emerges in concept developments could be counteracted quite concretely. With the glasshouse in Rosental, it is now possible to locate a horticultural business due to the use of mine water to reduce energy costs. The development of the pilot action in Voitsberg region covers building basic elements of a sustainable cross-community "garden show Lipizzanerheimat" as a recreational and producing space for the peri urban metropolitan area of Graz. Several communities of the region are involved by renaturation of "brownfields" / former mining areas by individual projects.

Community Rosental: Mine water use for heating green house

Based on a potential analysis for the heating of greenhouses with mine water (winter vegetables using the waste heat) on a former mining area provided clarity for the implementation and at the same time provides a comprehensible data basis for interested parties. In a second step, the garden house was set up as a pilot implementation and the marketing measures for interested parties start. A pilot greenhouse, floor area 40m², was built for summer and winter vegetables, which will be integrated into the garden route as a show object in the future. In addition, guided tours will be held in cooperation with schools and kindergartens (involvement of parents) to teach young people how to grow vegetables. But the domestic resources also - renewable energies and their possibilities - are communicated in this way.

City of Voitsberg: Urban community garden

Development of a concept of a garden project on a club basis - urban community garden. This serves as a nice "entrée" for the energy park by "beautification" of the current entrance area (former mining area). The implementation will follow within a LEADER-project.

City of Bärnbach: Energy optimization of an office property with 1600 m² floor space with a special greening

A concept was developed to optimize the use of energy in an office property with 1,600 m² of usable space by enriching the south facade with a special green area for energy efficiency.

City of Köflach: Spa garden

Development of a concept for a spa garden/park, which is subsequently used as the basis for the preparation of an application (LE 2014 - 2020) for village renewal by the municipality of Köflach.

Maria Lankowitz: Manor house park (Schlosspark)

Development of a concept for a manor house park - the design is a combination of the basic features of a classic baroque castle park with local historical elements. The implementation should take place within the framework of an application (LE 2014 - 2020) for village renewal by the municipality.

Lipizzanerheimat: „Garden route“

Creation of a connection of all garden and park elements over the cycle way network currently under development with regard to a recreational area for the region and Graz.

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

AT225 - West- und Südsteiermark

Pilot actions implemented in the municipalities Rosental, Voitsberg, Köflach, Bärnbach, Maria Lankowitz

Investment costs (EUR), if applicable

Green house: Planning of the overall concept incl. statics and consideration of the thermal energy balance.
Heating system including control system: pump planning, planning of the collecting pipe system and conception of heating system, planning of cooling with mine water.
Watering system: Planning of automatic watering system

Green house	9.713,33
Climate control	7.758,34
Underground subsoil	4.270,00
Watering System	3.280,00
Assembly	6.250,00

Total	31.271,67

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

The development of the respective pilot measures together with the municipalities or their representatives led to a better understanding of the LUMAT approach. The "usual" argument that only "paper" emerges in concept developments could be counteracted quite concretely. With the glasshouse in Rosental, it is now possible to locate a horticultural business due to the use of mine water to reduce energy costs.

With the joint development of the concepts for the special gardens in Voitsberg (community garden in connection with an outdoor mining museum area), in Köflach (spa garden) and Maria Lankowitz ("wedding garden") as well as their subsequent implementation in the context of other funding programs arise a series of benefits for the region (improvements in the excursion area for Greater Graz), the respective community (a beautiful garden), the population, the tourists and also for the (political) decision-makers (the EU project LUMAT has implemented very concrete projects - "we have supported that").

The involvement of the most important target groups (policy makers, property owners, companies) as well as the top key stakeholder- Regional Development Association (REV) Lipizzanerheimat - 5 municipalities (mayors, heads of administration), LEADER Management Lipizzanerheimat, Wirtschaftsoffensive ("Economic Offensive") of the district of Voitsberg, Chamber of Commerce Voitsberg as well as the top management of the district administration - took place right at the beginning of the project. Together, concerns and wishes were discussed and subsequently tried to take these into account in the planned activities.

Leverage of additional funds:

For Voitsberg/Zangtal it's about € 95.000,- (a accepted LEADER application is adapted)

The spa garden (Kurpark) in Koeflach covers € 197.040,- (LE 2014 - 2020, village renewal)

The planned manor house park in Maria Lankowitz will probably get € 15.000,- for the planning phase and € 150.000 for the implementation phase (LE 2014 - 2020, village renewal).

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

During the presentation and discussion of the results of LUMAT with the REV, the project proposals (action plan) for the municipalities could be included in their "program", or the concrete application for the garden concepts / parks (Voitsberg, Köflach, Maria Lankowitz) is already running. The results also influence the preparation of the Leader and Regional Development funding programs for the next funding period.

The greenhouse in Rosental should not only be used as a pilot example for the search for interested people in winter vegetables, but discussions with the schools have also started in order to use this example to introduce LUMAT's approach to youth.

The municipalities are extremely interested in implementing the LUMAT concepts for the parks through additional funding (Leader and LE 20104 - 2020), preliminary discussions with the funding agencies have already been held by the municipalities.

The transferability of the results of the pilot projects is, of course, dependent on the local conditions. The use of pit mine energy for vegetable growing may be an interesting option for former mining areas. The creation of a connection between the community garden and the outdoor mining museum can be solved in a similar way elsewhere. Interesting is the way of implementation.

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

In the last few years the municipalities in the region have developed several project ideas in the context of urban development, sustainable energy systems, brownfield regeneration etc. The main "bottlenecks" were the missing financial resources and the inter-municipal cooperation, but also competent project applicants. A joint analysis of the causes of the communities as well as the development of a strategy to improve the situation is currently not available. Therefore, during the development of the pilot project, attempts were made to incorporate these ideas in order to improve the acceptance of the municipalities for LUMAT (Voitsberg, Köflach).

Another important point concerns the involvement of stakeholders and target groups right from the start of project development as well as periodic information on the status of activities.

The land necessary for project implementation often belongs to the mining company. There is currently no commitment with the municipalities concerning the price for the land which leads to uncertainties in investments. Therefore, the negotiation of a corresponding agreement is proposed in a timely manner.

As a result, the pilot projects, at the request of the municipalities, do not relate directly to the mines of the mining company, but to their margins and the ownership of the municipalities (formerly former mining areas). Specifically, the green house that belongs to the Energy Centre Lipizzanerheimat is located on land of the Rosental community.

In developing the action plan pilot actions, support from the other project partners was very helpful in that the FUA approach to the region was new, but positive examples from the other partners could already be found.

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

Relevant regulatory requirements:

By involving the respective municipalities in the pilot projects via the competent building authorities and city offices, the corresponding requirements were formulated and implemented in the construction or included in the concepts for the parks (this is also checked during the respective application process).

Sustainable development - environmental effects:

The greenhouse in Rosental should not only be used as a pilot example for the search for interested people in winter vegetables, but discussions with the schools have also started in order to use this example to introduce LUMAT's approach to youth.

Sustainable development:

With the implementation of the concepts developed in LUMAT for the three gardens in Voitsberg, Köflach and Maria Lankowitz, a sustainable development is taking place, which in particular will be very well received by the population. When developing the concepts, great emphasis was placed on the positive environmental effects such as the use of local materials, environmentally friendly construction, easy care and the like.

Horizontal principles:

Equal opportunities by better quality of life in deprived urban and peri-urban areas affected by economic decline and brownfields.

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.T3.3.2 - Report on pilot action garden show

Pictures



Rosental: The pilot green house



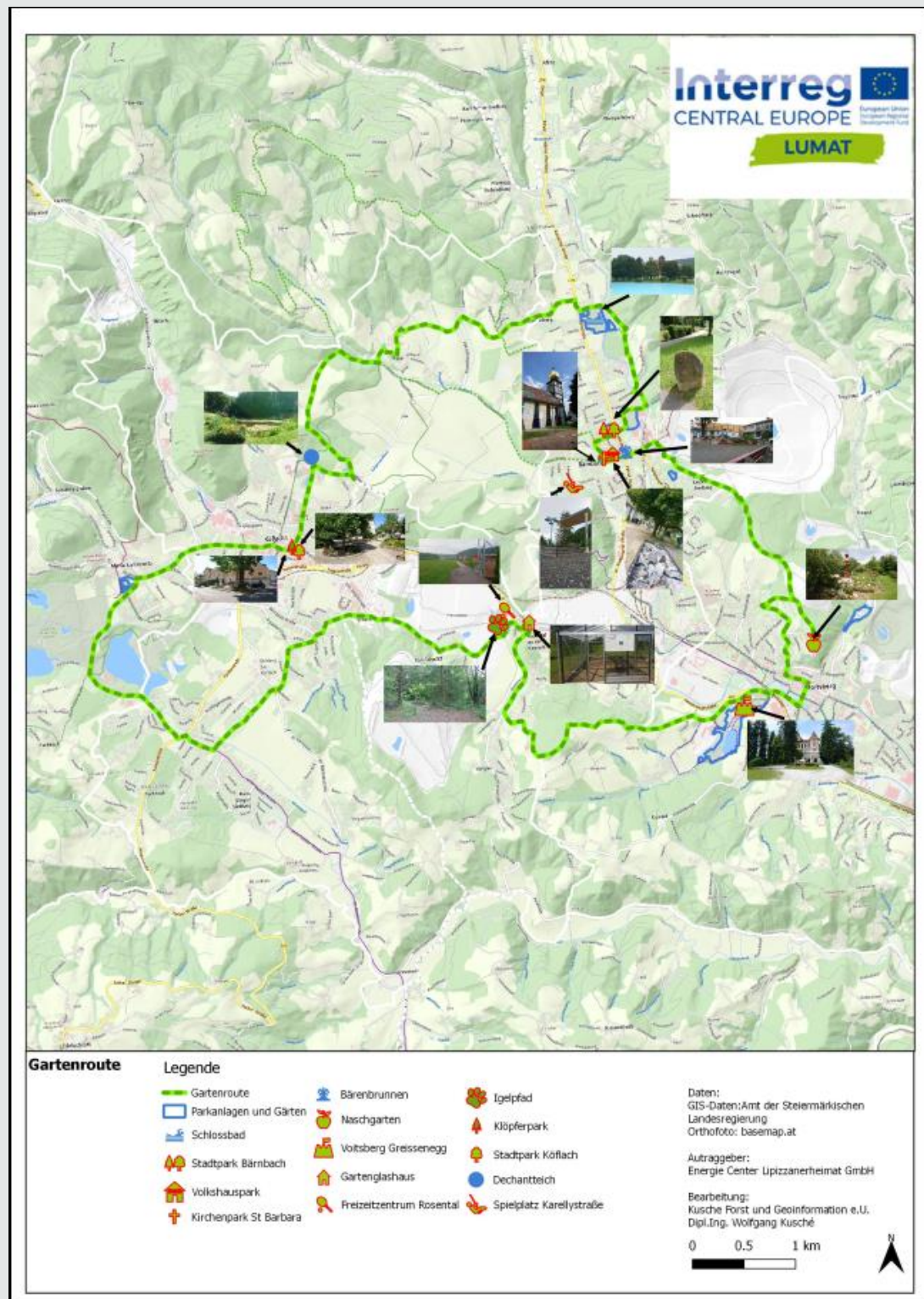
City of Voitsberg: Urban community garden



Köflach: Graphical conception spa garden



Maria Lankowitz: Graphical conception of the wedding garden



Map "Garden route"