

Interreg
CENTRAL EUROPE



LUMAT

European Union
European Regional
Development Fund

IMPLEMENTATION OF SUSTAINABLE LAND USE IN INTEGRATED ENVIRONMENTAL MANAGEMENT OF FUNCTIONAL URBAN AREAS

LUMAT NEWSLETTER #3

YEAR 2 | OCTOBER 2017



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www.interreg-central.eu/LUMAT.html

Cooperation in land management for more livable places



LUMAT PROJECT YEAR 2 WHAT'S GOING ON

The project is approaching half of the duration time. Therefore also time for the mid-term project review is closer and closer. It is a moment of the truth - representatives of the Joint Secretariat will be present at the next project meeting in **Barnbach** to listen about the project results but also about difficulties, delays etc.

It is also a good opportunity to ask questions, explain doubts and clarify various issues that partners have. Now the whole consortium is preparing presentations for the meeting, especially of the drafts of Action Plans for our **7 pilot regions** as well as of Pilot Actions that are planned further.

Also financial issues will be discussed at the mid-term review meeting, among other budget shifts proposed by the partners will need to be presented and justified. Therefore all the partners need to be ready for answering questions on the reasons of budget changes. Special templates will be filled by the Lead Partner concerning both technical and financial matters and provided to all Partners before the meeting.

All the above issues have been discussed during the last meeting of the **Project Steering Committee** in Torino. Also the date of the mid-term project review meeting has been fixed to 25th January 2018.

Anna Starzewska-Sikorska
Project Coordinator
Institute for Ecology of Industrial Areas (IETU)

NUMBERS AND FACTS



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FOURTH PROJECT PARTNERS MEETING

25-27|09|17

ITALY

REPORT FROM TORINO

The meeting took place in SiTI premises for the first day and in Città Metropolitana for the second and third days. More than 30 participants took part in the meeting.

After the welcome speech by Matteo Tabasso, the works started with the training seminar on interactive tools for citizen involvement. Stefano Pensa, from SiTI, explained the functionalities and opportunities offered by the **Interactive Visualization Tool “InViTo”**, and involved participants in a practical session on how to use and adapt it to the different FUAs. A **user manual** was distributed.

The second day was opened by a second training seminar, led by Justyna Gorgon from IETU, about Reduction of land use conflicts. Each country was invited to identify land use conflicts in its FUA, and then classify it according to the given framework and start proposing methods for conflicts resolution, based on a toolbox previously proposed by the trainer.

The morning was closed by a second session of the training seminar on LUMAT tools, with the presentation of a grid to evaluate LUMAT identified soil threats, proposed by the German partner.

In the afternoon, a trip to Chieri was organised: first with a visit to **MUNLAB**, a clay museum, laboratory and production site - one of the areas of interest of Torino FUA -, where partners could appreciate how an underused brownfield can be reconverted into a green space with cultural and educational value. Then the LUMAT team moved to Chieri town hall, where the Italian action plan and pilot area were presented.

The last day of the meeting was devoted to partners' presentations of Action plan advancements (WP T2) and Pilot areas (WP T3). Then the Project Steering Committee took place: the project leader, Anna Starzewska, presented current issues concerning the project management, inviting



THE TRAINING SEMINAR ABOUT INVITO TOOL AT SITI, SEPTEMBER 2017



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25-27|09|17

ITALY

partners to be prepared for the upcoming Midterm review Report (end of January).

Later Giulia Melis from SiTI updated partners about communication indicators, target groups and actions to be taken in order to reach the expected results. The next phase of LUMAT will see a considerable increase in **citizens and professionals involvement**, thanks to workshops, public conferences and the use of the proposed tools.

A survey on participants satisfaction to be distributed in every local event was finally presented.

The next project partners meeting will be hosted by the Austrian partner in the end of January 2018.



THE VISIT AT MUNLAB - TORINO FUA, SEPTEMBER 2017



THE PRESENTATION OF THE PILOT ACTION IN CHERI CITY HALL, SEPTEMBER 2017



NEWS

FROM THE PARTNERS

HISTORICAL BROWNFIELDS IN THE CZECH REPUBLIC ARE REVIVING AND ENTICING THE PUBLIC

07|09|17

CZECH REPUBLIC

On Thursday September 7, 2017, the Regional Development Agency organized the fifth annual Brownfield trip, this year dedicated to castles and historical buildings, former brownfields.

Experts, representatives of municipalities and the general public thus had the opportunity to look into places where the ordinary citizen has not yet had access, and many of them have used it. Participants learned about the history of these buildings, and could appreciate the preserved historical paintings and frescoes; they showed a great interest for the process of regenerating the objects and its financing, the biggest obstacles the owners faced.

During the trip, the Lumat project and planned activities, including the preparation of the action plan for [brownfields regeneration](#) and a pilot action (priority map), were presented to the participants.

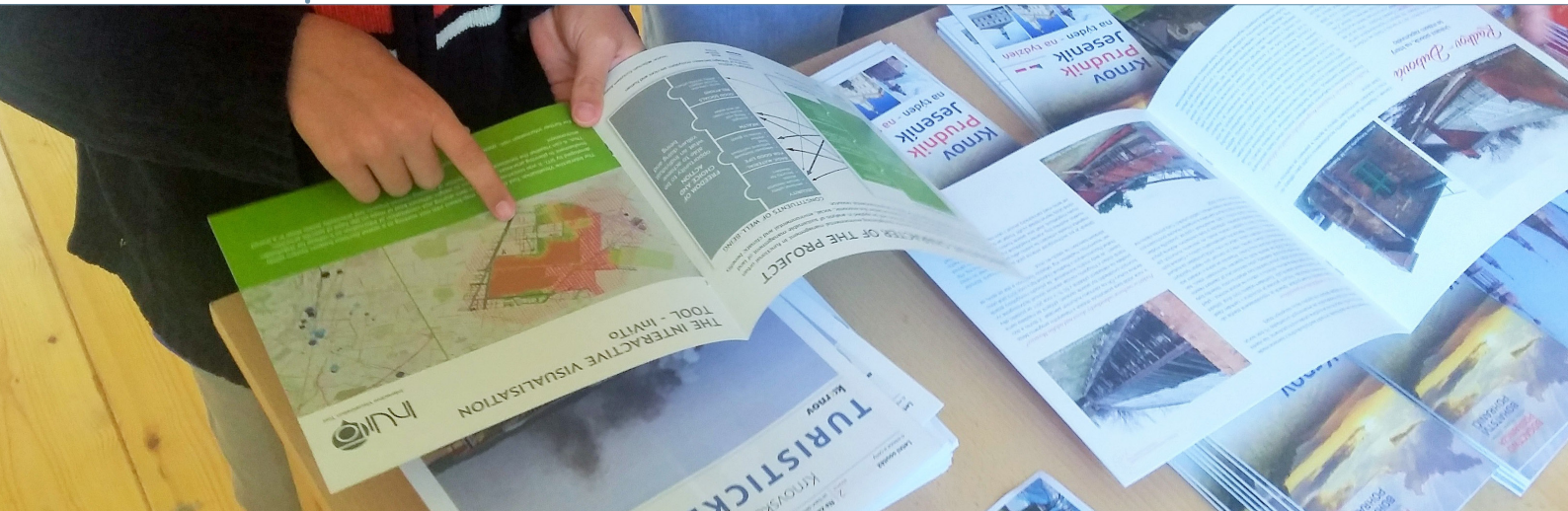
The Regional Development Agency is trying to become more active in the field of

brownfields because there are more and more investors interested in these sites. The closest brownfield event which ARR is organizing together with IURS is the traditional brownfield seminar, which will take place on October 12 in Ostrava. Here, beyond the examples of successful regeneration, the forthcoming Brownfields Action Plan for the Moravian-Silesian Region will be presented, within the LUMAT project. Critics can express their views, bring their own ideas for more efficient use of brownfields and their regeneration at the regional and local level.

Extensive participation is expected from the public administration, stakeholders, brownfield fans and the general public.

At the end of the seminar an excursion is planned to the former [Barbora mine](#) and to the [František Mine Skip tower](#), in the vicinity of a fully occupied industrial zone established on the former mining area.

ARR-PP10





ACTION PLAN FOR THE CITY OF KRANJ FUA

15|09|17

SLOVENIA

In Kranj FUA, Action Plan will be compiled by all three project partners from Slovenia; Ministry of Environment and spatial planning as a policy maker, City of Kranj as an »end user« and Urban Planning Institute as a research partner.

The bi-weekly meetings of all three Slovenian partners proved to be an efficient way to sustain work dynamics. We, the three partners like to consider BSC Kranj, a regional development agency of Gorenjska region (Kranj FUA is a part of this region) as a silent partner in the project. They are included to the project almost from the beginning and will support the implementation of Action Plan. Foremost they are going to act as a management structure of the Action plan.

As Pilot action for Kranj FUA is the entire City of Kranj area, proposed Pilot development is an important step for the Action Plan development. Pilot action will use the

concept of **industrial symbiosis** to enhance environmental management and improve business and technical processes.

Most of the work in recent months was dedicated to the Strategic part of FUA Kranj Action plan. We named it “Development and management strategy for activation of underused business zones and brownfield sites in FUA Kranj”. Its title clearly defines its scope. Our plan is to make this document usable for a longer term, including not only local challenges and objectives, but also take in consideration **UN Sustainable development goals**, EU societal challenges and national challenges from Spatial development strategy of Slovenia (current and draft version of the one under preparation). We also prepared a simple graphical model of Kranj FUA Action plan, to enable stakeholders better understanding the document.

UIRS-PP11 | MOP-PP12 | MOK-PP13





MAYORS MEETING ON THE ACTION PLAN OF INTEGRATED ENVIRONMENTAL MANAGEMENT OF TRNAVA FUA

25|09|17

SLOVAKIA

In the end of September, a meeting with mayors of municipalities, members of Trnava FUA association (ZOMOT association) was held in ZOMOT association premises in Trnava (Slovakia).

The Department of Projects Management of the Trnava City Office introduced current status on the EU projects preparation and implementation with special focus on the LUMAT project and its forthcoming activity - elaboration of the Action plan of Integrated Environmental Management of Trnava FUA.

Out of **15 municipalities** of Trnava FUA Association (ZOMOT), eight mayors attended

this meeting (thus representing eight Trnava FUA municipalities and their citizens), and Trnava City representatives attended as well: vice-mayor, head of Trnava City Office together with employees of the Department of Projects Management (together 6 people representing PP8); moreover, two ZOMOT managers attended and a representative of Municipal Research and Advisory Center in Piestany.

The participation was good, as in total there were **17 participants from 11 institutions** who actively participated at the ZOMOT meeting in Trnava to talk about the FUA future actions.

CoT-PP8





06|10|17

GERMANY

BEST PRACTICE WORKSHOP AND IDENTIFYING THREATS TO LAND AND SOIL IN SAXONY

The German LUMAT pilot area is the Green Ring of Leipzig which consists of 13 municipalities, 2 counties and roughly 78,000 hectares of land. In LUMAT, threats to land and soil resources in this area have been identified which may pose danger to the quality of living for the local residents.

Within the strategy of the LUMAT project to improve “**integrated environmental management**”, the following threats are being assessed in the German pilot area:

- Brownfields which impact the quality of life the region
- New soil sealing and consumption of the nonrenewable resource land
- Overwarming in urban settings
- Structures/unnecessary sealing in flooding hazard zones
- Soils sensitive to over-fertilization.

To help evaluate the threats, information on land use cover (or other soil information) and location in or outside of a city “core” (see OECD definition for functional urban area) will be taken into account. Actions for urban centres or rural hinterlands will then be drafted accordingly; for example brownfield revitalization may be carried out differently in a city core or hinterland.

An important milestone was the LUMAT “**Best Practice Workshop**” held in September 2017 where LUMAT project progress were discussed in-depth. Representatives from the municipalities in the region gave feedback to LUMAT as to what is required to improve integrated environmental management.

The workshop made clear that the prioritization of threats, addressing brownfield sites as well as considerations of citizen involvement will become of central importance in the coming months.

The municipalities have expressed their commitment to LUMAT by supporting the analysis phase and the LUMAT partners look forward to more stakeholder exchanges in the near future.

LfULG-PP3





INTEGRATED ENVIRONMENTAL MANAGEMENT PLAN FOR THE TERRITORY OF THE FUA "CHIERESE CARMAGNOLESE"

10|10|17

ITALY

The Action Plan develops within the Homogeneous Zone "Chierese - Carmagnolese" (functional partition of the CMT defined by Statute) which consists of **22 municipalities**, for a total of 130,000 inhabitants and 460 sqkm, which is the proposed FUA for LUMAT project.

The objective of the Action Plan is to define an inter-municipal management structure to address and solve issues related to conflicts in different uses of the soil and apply the principles of ecosystem services to programming and planning the land transformations in the FUA.

The goal of integrated land management

methodologies is the **environmentally sustainable growth** of the entire FUA, and the containment of conflicts in the strategic choices of the various administrators, taking into account the needs of the different stakeholder groups (politicians, entrepreneurs, citizens, trade associations, environmental associations, etc.).

For this purpose, the Italian partners of LUMAT (CMT and SITI) have gathered the signatures for the project from the administrations and have identified the referents for each municipality (technical and political). **Three meetings** have been organized up to now: the first one had the object of presenting the LUMAT project and the tool InViTo.





Continued from previous page

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ITALY

During the two following meetings, the stakeholders worked on identifying **Strengths, Weaknesses, Opportunities and Threats** of the FUA; three themes of interest to the whole territory have been identified (ecological connectivity, sustainable tourism, brownfields); each Municipality proposed sites on their territory with environmental issues or potentially interesting impacts for the whole area, to test the LUMAT methodology.

During the next meeting (to be held October) the Italian partners will work with stakeholders to test the tool InViTo in an interactive workshop, with the aim to agree on two pilot areas on which to deepen and test the concepts developed within LUMAT.

CMT0 Action Plan will provide FUA's inter-municipal management structure with the capabilities and the tools to implement the other actions mapped according to the LUMAT strategy, setting a long-lasting collaboration in FUAs management.

CMT0-PP5
SITI-PP4





UPDATES FROM RUDA ŚLĄSKA FUA AND PILOT ACTION

10|10|17

POLAND

In June the contractor's design documentation for the pilot project was accepted by the contracting authority. Then, in September, that documentation was approved with building permit. Permits were also obtained to cut down trees that would collide with the investment. At the same time, the tendering procedure was being carried out for the selection of the contractor in the field for the pilot facility.

By the end of September, most of the garages were removed from the area in order to prepare land for earthworks. There's been also taken some samples of contaminated soil from the heap located in the pilot area for specified mineralogical research.

Results of the research are crucial for the **phytostabilization processes** in the pilot area.

Since May there's been taken further steps in participation in the development of the **Green Infrastructure** Action Plan, developed for the Functional Urban Area of Chorzów, Ruda Śląska and Świętochłowice within the framework of the LUMAT project. As part of the action plan suitable areas in Ruda Śląska were selected.

Several fruitful meetings took place in the Institute for Ecology of Industrial Areas with representatives of the mentioned above cities. During that meetings the main issue was finding tangent points in the aspects of spatial development. Creating "**green belt**" that will link the cities and solving common problems with development of green space infrastructure in FUA will be the main goal of future cooperation between Świętochłowice, Chorzów and Ruda Śląska.

Um RUDA SLASKA-PP2





UPDATE ON THE ACTION PLAN IN THE DISTRICT OF VOITSBERG

12|10|17

AUSTRIA

Based on the 2 stakeholder meetings (decision makers, mayors, land owner/mining company) the Energy Centre had in spring 2017, individual meetings with the mayors and heads of administration of the municipalities followed. The objective was to **harmonize the vision/mission** of the action plan with the new planning strategy of the “Styrian Central Region” (2016-06) and to concretize the ideas for the action plan together with the representatives of the municipalities.

At the same time a close co-operation with a new implemented project by the region “Stadtregionales Flächenmanagement (SRFM)” (City-regional land management) started which is a condition of the mayors.

A detailed plan for the municipality of Maria Lankowitz is now in preparation - based on

the “new unique feature” for this locality as a wedding site: the first step will start with creating flower gardens. A 2-phase approach- planning and implementing phase - will also include (hopefully) support by a Styrian program for village renewal projects (Dorferneuerung).

With the municipality of Rosental contacts for using **geothermal energy** for vegetable planting (greenhouses) on former mining areas are intensively discussed, but the problems with the land owner (the mining company) are not yet solved. An agreement between the region Lipizzanerheimat and the mining company for the whole region has to be prepared.

EC-PP6

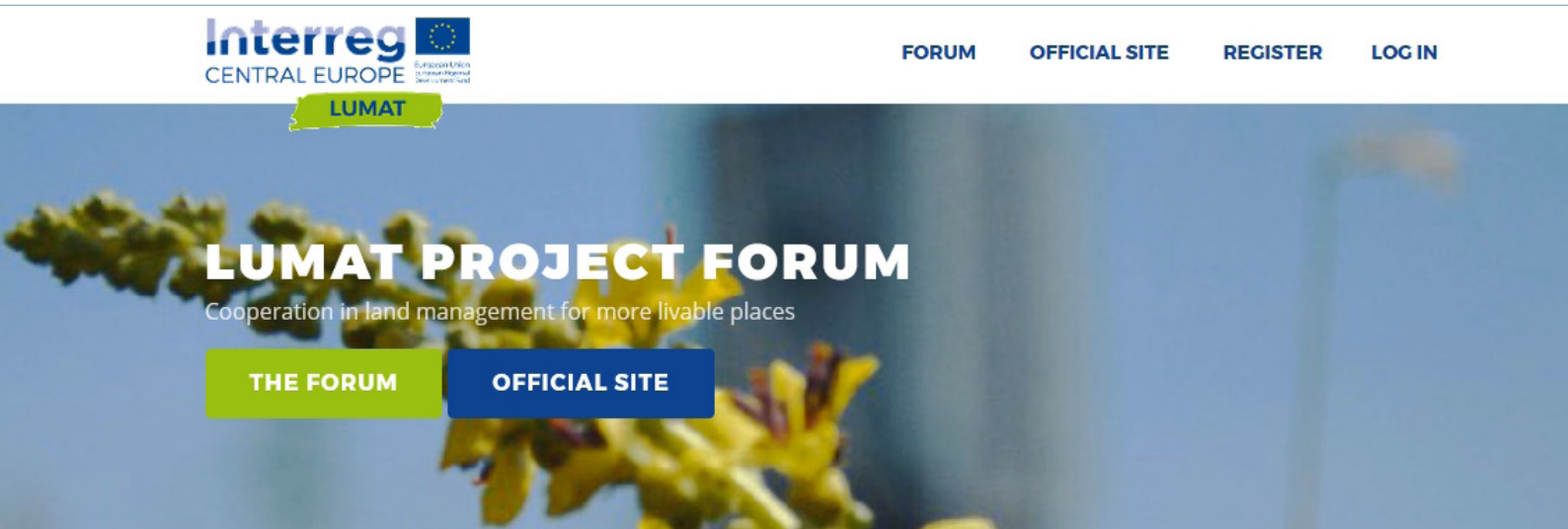




PROJECT TOOLS

DIGITAL PLATFORM

The digital platform is online at www.lumatproject.eu, and can be accessed also through a link on the official project website <http://www.interreg-central.eu/Content.Node/LUMAT.html>.



Everyone can register to the forum, by specifying the institution and target group he/she belongs to. **The Forum** will be used as an exchange open space: topics can be proposed and discussions will start around those topics.

It was first conceived as a technical support forum for the LUMAT tools: a sort of help desk where doubts and requests could be collected and every partner could find answers if the same question was already proposed, or ask a new one and wait for the answer of experts. Anyway the use of the Forum was then extended to every topic concerning LUMAT, and opened to the target groups involved. It will allow the partners from different countries to **exchange visions and opinions** on the state of the implementation of their Action plans and Pilot areas, as well experts and stakeholders to participate in the discussions and be able to interact among them at local or international level.

FORUM	TOPICS	POSTS	FRESHNESS
ACTION PLANS	0	0	No Topics
INVITO	1	1	Matteo Tabasso 2 months, 1 week ago

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SEARCH FORUM

FORUM LIST

Action Plans



PROJECT TOOLS

LUMATO 1.0: A TOOL FOR INTEGRATED ENVIRONMENTAL MANAGEMENT

A tool is being worked out within the LUMAT project which will be able to document the location of various existing threats to land and soil. This can include brownfield sites for example, yet is not limited to only this. The type of threats included can be adapted to fit to the territory being considered.

One innovative aspect of the tool methodology can be seen in the **integration of the various types of information** into a standardized grid layer system. This can allow for aspects from various environmental disciplines to be considered together in a holistic manner.

Various layers of threats overlaid one another can allow for a quick overview of where many threats exist in the territory, sometimes located on the same segment of land. Threats should be addressed in order to make places and functional urban areas more livable.

Benefits of the tool are manifold:

- Homogeneous information base which can be fit to any territorial size
- Guarantee the anonymity of personal and land related information
- Compilation of various sectoral and environmental disciplines into the tool (for integrated environmental management)
- Adaptation to EU-wide INSPIRE guidelines
- The tool shall be easily implementable into existing organizations and structures, with no new software required beyond standard GIS applications
- Potential to steer ecological compensation measures in a territory
- Easy to update information for future actions in a functional urban area

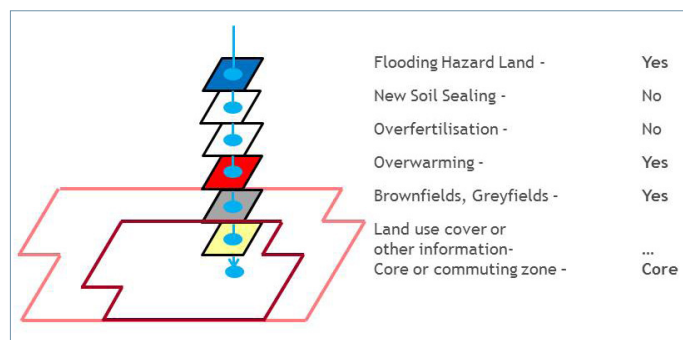
Overall, the tool establishes a foundation upon which a strategy for sustainable land management actions can be implemented in functional urban areas.

Future project activities - threats are to be quantified and prioritized through connecting their interactions. Actions and measures for making more livable places a reality are to be supported.

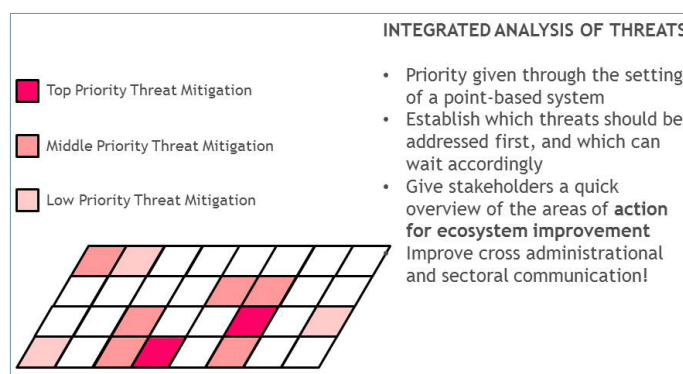
By the end of the LUMAT project, interested stakeholders should be enabled to carry out actions with the LUMATO 1.0 Tool, such as:

- Site identification for brownfield removal,
- Create urban green infrastructure,
- An innovative and sustainable method for compensation activities, and
- Implement sustainable land uses.

LUMATO 1.0: INTEGRATED ANALYSIS THREATS (EXAMPLE)



LUMATO 1.0: COMBINED EVALUATED THREATS IN PILOT AREA (2018)



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