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LUMAT Project - objectives, main activities and results



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background



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objectives



What changes
the project
has caused?



LUMAT BACKGROUND - KEY URBAN ENVIRONMENTAL ISSUES

- excessive land consumption,
- urban sprawl,
- soil sealing,
- brownfields,
- increase of urbanized areas not proportionally to population growth



- “EUROPE 2020” Strategy - “A resource efficient Europe” - Land as a resource (Zero land consumption by 2050)
- Need for protection of land resources and reduction of urban sprawl
- Need for management of urban/peri-urban relationships
- Need for strategies and policies focused on environmental management in functional urban areas (functional relationships between urban-rural territories became one of the key elements for sustainable development)
- Sustainable land use and soil resources management is an important component of sustainable development of FUAs



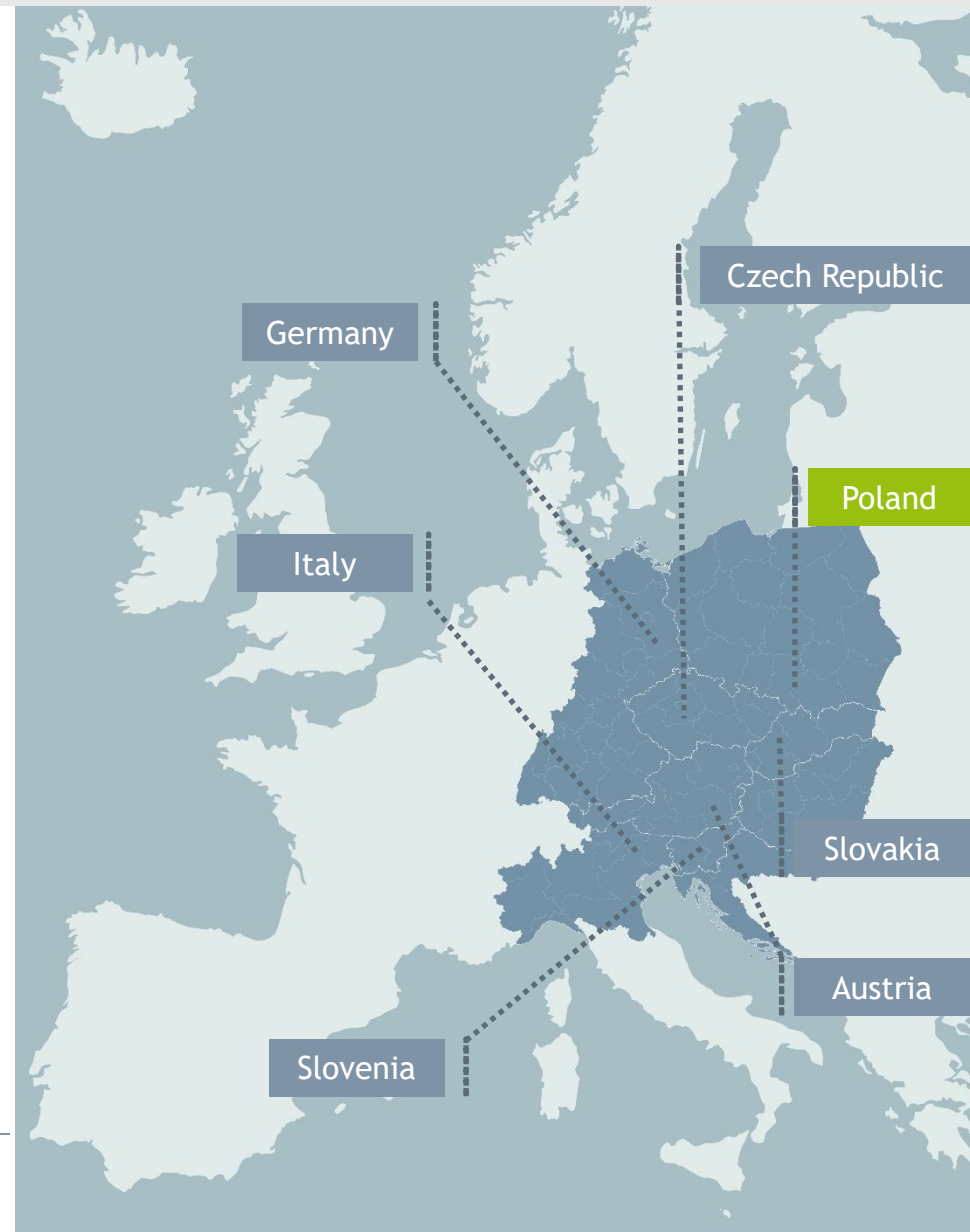
Implementation of Sustainable Land Use in Integrated Environmental Management of Functional Urban Areas (FUA)

Common work:

13 Partners

7 countries

7 FUAs



Strengthening
integrated
environmental
management in
functional urban
areas (FUAs) with
sustainable land use
and ecosystem
services
development.

01



Key role of land use and management for achieving the goals of sustainable environmental development.

02



Environmental management should better enhance the tools available for land use planning to prevent undesired spatial patterns of urban sprawl and land degradation.

03



Also an ecosystem services oriented approach to improve human welfare by incorporating economic valuation into environmental management decisions.



- **Ecosystem services assessment** for supporting decisions in integrated land use management
- **Integrated site compensation** in relation to brownfields and degraded areas
- **Industrial symbiosis** with environmental criteria in business co-operation
- **Innovative tools** for public involvement in decision making



TECHNICAL ACTIONS IN DOCUMENTS OF ACTION PLANS

- Program of re-using post-mining sites (Austria),
- Program of brownfields revitalization (Czech Republic),
- Program of integrated site compensation (Germany),
- FUAs' environmental and territorial issues management model as contribution to metropolitan strategic planning and metropolitan general spatial planning (Italy),
- Concept of green and blue infrastructure strengthening and development (Poland),
- Integrated, sustainable management concept of functional city area in the process of spatial planning with an emphasis on integrated management of environmental protection and integrated land use (Slovakia),
- Program of business development on degraded areas as inner city development (Slovenia).



ORGANIZATIONAL ACTIONS

- Public involvement (action plans presentation at public meetings, trainings of professionals, social media, mobile phones applications),
- Management structures (permanent structures for action plans implementation including gaining funds).



Source: SITI



- Torino FUA (IT) - implementation of the intermunicipal management model developed for the Torino FUA
- Bärnbach (AT) sustainable cross-community garden show
- Saxony (DE) - pilot action within integrated environmental management in Leipzig Nordraum (creation of green infrastructure with compensating funding),
- **Trnava (SK) - restoration of neglected natural park for sports and recreation zone - investment**
- Ostrava Region (CZ) - „Priority map" of degraded areas for enhancing regional environmental management,
- Slovenia (SI) - business plan for restructuring areas with environmental requirements
- **Ruda Śląska FUA (PL) - site rehabilitation for the enlargement of green areas - investment**





Photo Ruda Śląska - Investment site (March 2019)





Photo Štrky Investment in Trnava, Slovakia (Spring 2019)



WHAT CHANGES HAVE BEEN ACHIEVED?

Mental and behavioural changes - results of trainings which have taken place in 7 countries in 4 subjects for professionals, of meetings with the inhabitants, meetings with cities' authorities, presentations of the project at various national and international events, publications of e.c. project booklet, training materials, press articles, the books at the University in Slovakia and in the Institute in Slovenia.



The behavioural changes are connected with new possibilities for recreation and rest in new areas created by the investments.





WHAT CHANGES HAVE BEEN ACHIEVED?

Structural changes - the established management structures in 7 pilot project functional urban areas.

These structures will be responsible for implementation of the action plans.

Their tasks are listed in letters of commitment signed by representatives of cities creating functional urban areas.

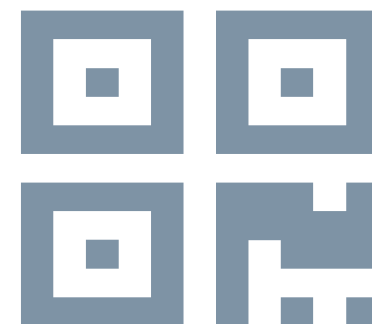




Photo Signing of a Letter of Intent by Mayors of Ruda Śląska, Chorzów and Świętochłowice and President of Silesia Park, Ruda Śląska (June 2018)



WHAT CHANGES HAVE BEEN ACHIEVED?

Physical changes - the most visible changes on two areas in Ruda Śląska and Trnava.

These are changes of the landscape but they also cause changes in surroundings of the two areas, as it is always the case when an area is regenerated.



Photo Ruda Śląska - Investment site (December 2018)



CONCLUSIONS



Designed by Yanalya / Freepik



CONCLUSIONS

Land is an important environmental resource. It is limited therefore we should find the ways of making it renewable.

The methods offered by LUMAT **support achieving the target of no net land take by 2050**. LUMAT offers also practical **solutions of strengthening urban areas resilience to climate change effects**.



LUMAT CONSORTIUM





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