



Circular Flow Land Use Management (CircUse)

Background

Circular Flow Land Use Management (CircUse) partner regions are confronted with massive urban sprawl, the current economic crisis and the effects of the demographic change causing unfavourable land use patterns. They are neither competitive nor sustainable (e. g. in attracting viable economies, efficient infrastructures). Dispersed land use patterns with their high demands of land, soil and energy accelerate the process and the impacts of climate change.

12 Partners from 6 countries are working together in the project CircUse to face these problems and develop strategies to solve them.

Objectives

CircUse partners will develop and implement a climate friendly land use concept in coherence with new instruments and pilot actions.

Main project results will be:

1. Development of an overall strategy towards circular land use management
2. Tools and instruments of Circular Land Use Management
3. Pilot Projects

Concept

Circular land use management represents an integrative policy and governance approach which presupposes a changed land use philosophy with regard to land utilization. This modified land use philosophy can be expressed with the slogan "avoid – reuse – compensate".

Pilot projects

The realisation of the CircUse concept on the basis of a common understanding will be in the focus of interest. For each pilot region existing and new instruments will be listed and evaluated at the transnational level (planning, economic, financial and legal). Several sites have been chosen to implement the concept:

Middle Saxony (DE) site specific concepts for renaturation, interim use and mixed urban uses

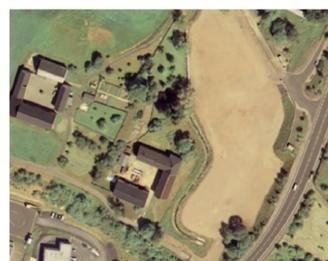
Voitsberg (AT) reduction of land consumption and introduction of a new land use; i.e. biomass plantations on former mining areas

Usti Region (CZ) revitalisation of urban brownfields

City of Trnava (SK) redevelopment of land and the fringe areas between the city and the communities, including revitalisation of rural brownfields

City of Asti (IT) scenario building and assessment for re-using brownfields located in the urban area

City of Piekary (PL) greening of a former industrial area





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The CircUse Concept

Circular land use management represents an integrative policy and governance approach which presupposes a changed land use philosophy with regard to land utilization. This modified land use philosophy can be expressed with the slogan "avoid – reuse – compensate".

The CircUse philosophy is visualised in the figure, showing land use as a cycle with the use of three major land potentials:

- a. Zoning new "greenfields" (to minimize)
- b. Rejection of land not suitable for subsequent use
 - ▶ brownfields (industrial, commercial, military)
 - ▶ gaps between buildings in internal areas
 - ▶ urban renewal sites
 - ▶ sites under going planning
- c. Activating existing land potentials (to strengthen)
 - ▶ brownfields (industrial, commercial, military)
 - ▶ gaps between buildings in internal areas
 - ▶ urban renewal sites
 - ▶ sites under going planning



The end and the beginning of each phase are crucial decision points. Furthermore a mix of instruments as well as the consideration of economic, ecologic and social aspects must be considered to implement the circular land use management concept.



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Project Lead:



Institute for Ecology of Industrial Areas/Poland
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Saxon State Office for the Environment, Agriculture and Geology



Asti's Municipality



Slovak University of Technology in Bratislava, SPECTRA Centre of Excellence



Environment Agency Austria Ltd.



Higher Institute on Territorial Systems for Innovation



City of Trnava



Institute for sustainable development of settlements



City of Piekary Śląskie



Telepark Baernbach Corporation Ltd.



The Usti Region



German Institute of Urban Affairs



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