

Local pilot fact sheet

Project partner organisation: District Authority Stuttgart

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Name of the area of local pilot application: Hohlgrabenaecker

Area: 16 ha

Land use(recent and planned): currently mainly under agriculture use, it is planned to develop residential area

Status of urban planning: already under construction

Legal aspects: In the current land use plan already foreseen as development area for housing. Private owner and some parts also owned by City of Stuttgart.

Location of the area of local pilot application within the city:



Border of the area is red marked.

Aerial photograph of the local pilot application area:



2004



2009

Border of the area is red marked.

Picture(s) of the area:

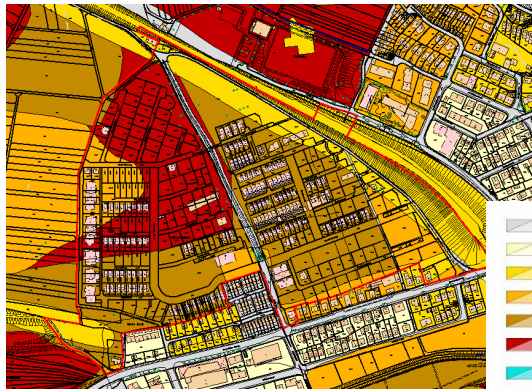


Fig. 1 Soil quality map



Fig. 4 State until 2006



Fig. 2 State since 2007



Fig. 5 State until 2006



Fig. 3 State since 2007



Fig. 6 State until 2006

Situation on the area: Former agriculture use of mainly high and very high quality soils (pictures on the right side). In August 2007 building activities started. Ca. 350 residential units for 1.100 residents are provided plus areas for infrastructure.

URBAN SMS-activities foreseen on the area: Calculation the loss of soil quality with the LSR-tool on bases of the soil quality map of Stuttgart.

Goals/strategies/tools to be applied:

Aimed goals:

- G1 Reduced quantity of soil consumption rate & soil sealing.
- G2 Sustainable use of soil considering soil quality (provision of soil functions).

Applied strategies:

- S1 Applying sustainable soil management in spatial and urban planning on all levels
- S2 Improving legislation in terms of soil protection as well as proposing an unified legislation approach in CE
- S3 Awareness raising to soil as a natural resource
- S4 Establishing regional cooperation in soil management
- S6 Involving stakeholders/ decision makers at an early stage of management strategy
- S7 Improving management for degraded urban areas
- S8 Introducing compensation and validation of soil functions as market instrument
- S9 Increasing of inner development

Tested tools:

- T1 Guidance for soil in SEA/EIA (3.3.2)
- T2 Soil manager Suite (software) including several tools (4.4.4)
- T3 Pilot case application (5.3.3)
- T4 Guidance on how to introduce and apply compensation measures; to be used as market tool (parts of 6.1.4)
- T5 Recommendation for successful stakeholder participation (6.3.2)
- T6 Awareness rising package providing a collection of facts and arguments (6.3.4)
- T7 Report brownfield redevelopment (6.1.3)
- t1 Sustainable brownfields development Stuttgart (NBS)

Start of the URBAN SMS-pilot-activities: 02/2011

End of the URBAN SMS-pilot-activities: 04/2011

Evaluation of results foreseen until: 04/2011