



Bio-Montan-Park North-Rhine-Westfalia

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ALRENE
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KLA
kiparlandschaftsarchitekten



The Project:

The idea:

An alliance of biomass production for energy use, landscape architecture, landscape arts, revaluing of waste- and uncultivated land, urban development, resource- and energy efficient architecture of living and working areas.

A reaction:

Climate change, energy transition and scarcity of resource's

The approach:

Developing axis for a sustainable urban development under consideration of ecological, economical and social aspects.

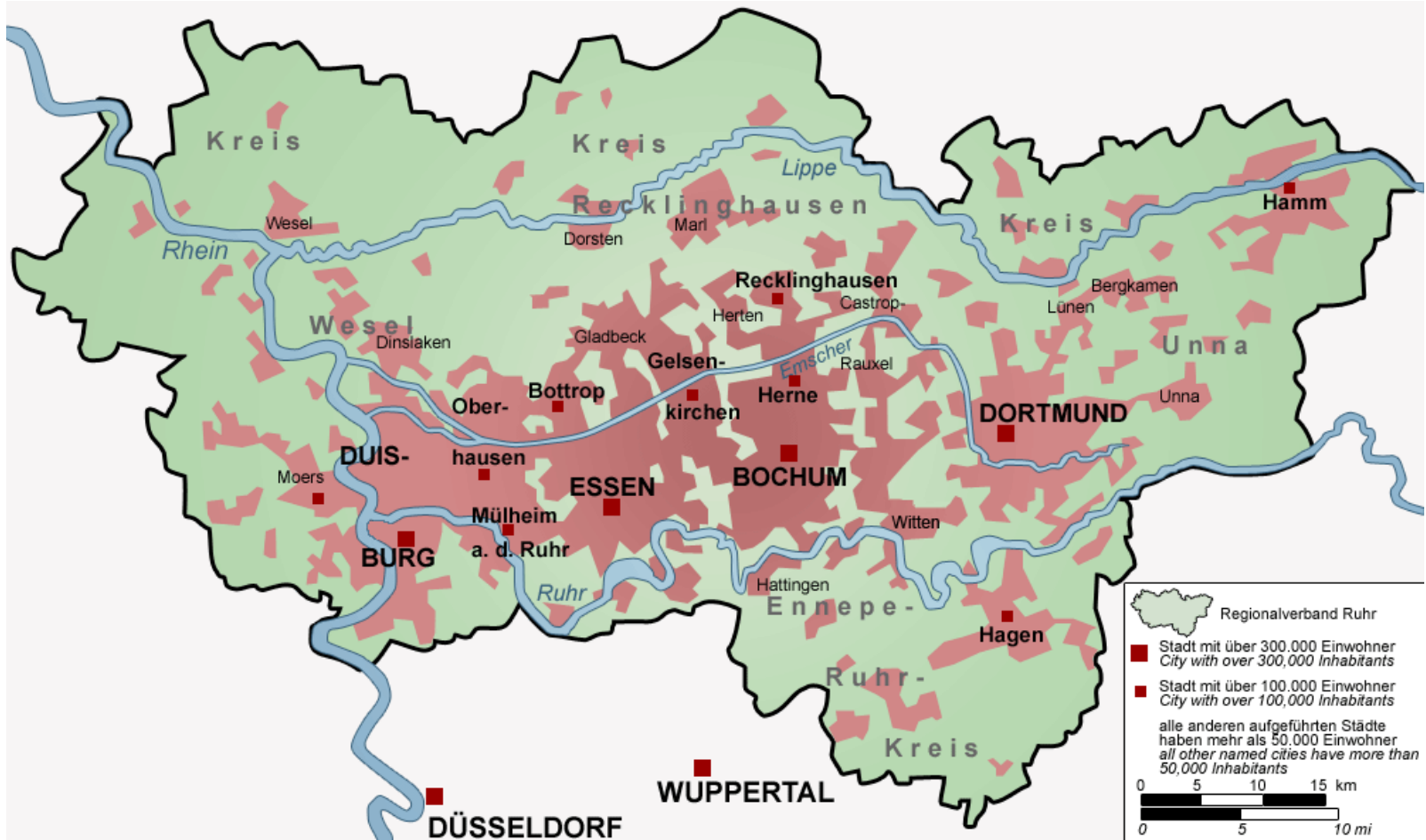
The Concept:

Integrative urban development for realising sustainable development and communal planning



CULTNATURE

Initial Position: The Ruhr-Region (RVR):





Initial Position:

CULTNATURE

Categorie	Total RVR-Region	Emscher-Zone	Hellweg-Zone	Lippe-Zone	Ruhr-Zone	Rhine-Zone
Amount Industrial wasteland	576	216	144	92	65	59
Minimum sized area ha	0,06	0,2	0,2	0,6	0,06	0,13
Maximum sized area ha	245	210	70	245	28,3	156,5
Total area ha	12.662,47	5.684,27	2.103,75	2.695,55	500,67	1.678,23
Areas for CultNature	291	130	42	71	12	36
Total ha for CultNature	4.556,80	2.021,50	388,80	1.436,40	69,30	640,80



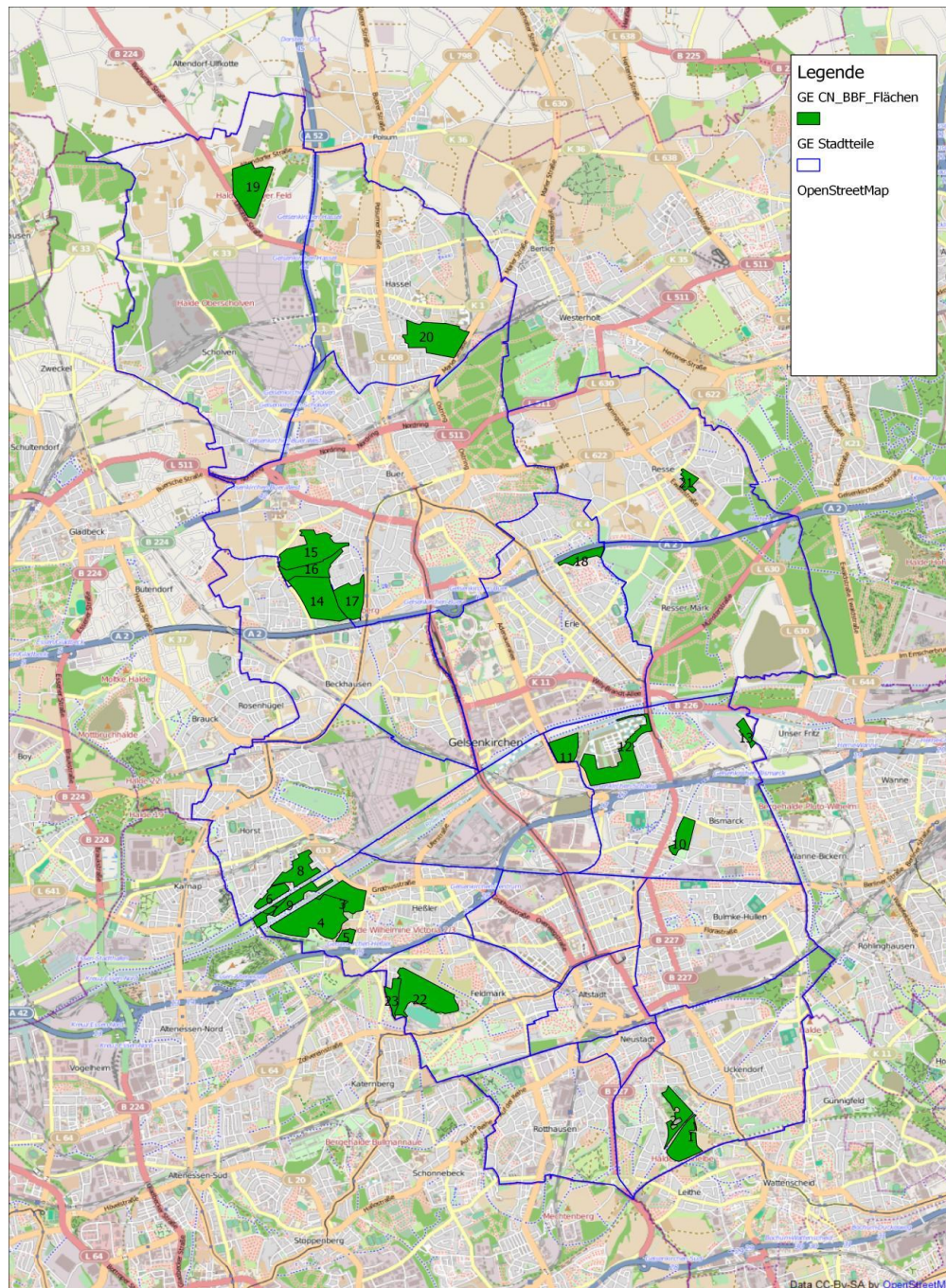
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Karte 1: Mögliche CultNature-Flächen auf Bergbauflächen in den Stadtteilen von Gelsenkirchen



The City of
Gelsenkirchen
and
potential
CULTNATURE areas

Initial Position:



This Figure shows an example for industrial wasteland Gneisenau in Dortmund.

Initial Position:



This Figure shows an example for industrial wasteland Gneisenau in Dortmund and a potential CULTNATURE-Area

Renewable Energy:



Quelle: Energieagentur NRW, 2013, Foto: Designfaktor.



The Biomass:



Parco Nord - Milano



The Biomass:



This Figure shows a part of the Project New Gardens of Schloss Dyck using Miscanthus as a landscape architectural element, (<http://www.stiftung-schloss-dyck.de>) planned and realised by Stephan Lenzen, RMP Landschaftsarchitekten (<http://www.rmp-landschaftsarchitekten.de>).

The Solution:



This Figure shows a design as an example of a biomass-park which adds typical elements of park-landscapes with a production of energy-crops and the social approach of recreation areas. This design was made for CULTNATURE by KLA – Kiparlandschaftsarchitekten.



The Solution:

- Transformation of uncultivated and waste land from old mining and industries in Biomass-Park areas
 - ⇒ Development axis in sustainable cities and regions.
 - ⇒ Biomass-Park areas are modern types of parks which are combinations of an agricultural- and forestry use with a high approach of landscape architecture and landscape arts.
 - ⇒ Attractive Places for recreation, living and working.
- Stakeholder dialogue with politician's, economist's and an interdisciplinary scientific side.
- Individual planning for every single area considering the neighbourhood, the degraded state of the areas, using opportunities and landscape architecture.
- The upvaluation of neighbourhoods makes these areas more attractive for living, business and trade.
- Recreation areas are bringing a higher quality of live in cities and regions.
- Biomass parks and the Renewable Energy Plants are creating jobs.



Thank you!

Dr. Alexa Lutzenberger

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