

CULTNATURE: BIO-MONTAN-PARK NRW

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A project for a sustainable City- and Regional Development for
wasteland from mining in North-Rhine-Westphalia

The central idea of CULTNATURE is the alliance of biomass production for different pathways 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. CULTNATURE is also a reaction on climate change, energy transition and scarcity of resource's. The approach of CULTNATURE is to develop axis as examples for a sustainable urban development under consideration of ecological, economical and social aspects. This project is taken the idea of the international architectural exhibition "Emscher Park" and adds impacts of the "Energiewende" and the supply of biomass for an energetic use from areas in cities. CULTNATURE is following the concept of an integrative urban development for realising sustainable development and communal planning.

Figure 1



Figure 1 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.

Figure 2



CULTNATURE is a project to transform uncultivated and waste land from old mining and industries in Biomass-Park areas, which are development axis in sustainable cities and regions. Biomass-Park areas are modern types of park which are combinations of an agricultural- and forestry use with a high approach of landscape architecture and landscape arts. So these areas are getting attractive again for recreation, living and working.

CULTNATURE has a high potential of wastelands in the Ruhr-Region: f.e. the RAG Montan Immobilien has more than 10.000 ha area under administration and the city of Bochum had more than 50 coalmines that are now standing idle.

CULTNATURE is bringing together stakeholder from different sides; politician's, economists and an interdisciplinary scientific side. Every Area has an individual planning considering the neighbourhood, the degraded state of the areas, other using opportunities and landscape architecture.

CULTNATURE will create biomass-parks that are producing energy for the direct neighbourhood. This biomass parks are working cost covering, which is an important point for the communities. The upvaluation of the neighbourhood makes these areas more attractive for living and 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. So CULTNATURE's effects are manifold.

Figure 3



Figure 2 shows an example for industrial wasteland Gneisenau in Dortmund.

Figure 3 shows a part of the Project New Gardens of Schloss Dyck using Miscanthus as an landscape architectural element, (<http://www.stiftung-schloss-dyck.de>) planned and realised by Stephan Lenzen, RMP Landschaftsarchitekten (<http://www.rmp-landschaftsarchitekten.de>).

Figure 4 shows the parco Nord in Milano from KLA, Kiparlandschaftsarchitekten (www.kiparlandschaftsarchitekt.en.de)



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