LANDMANAGEMENT OF FORMER INDUSTRIAL LANDSCAPES IN THE ECONOMIC METROPOLIS RUHR

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FIG Working Week Marrakech 2011
The Ruhr Region

11 Towns
4 Counties
Area: 4.435 km²
Inhabitants: 5.2 Mio.
Population development in the Ruhr Area from 1820 to 1960

Kind regards from the cannon town ...

... and from soot-land!

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In 1957 140 collieries existed in the Ruhr area only 3 are remaining in 2011!

Employees in the steel-industry

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**Flächenmanagement in Industriefolgelandschaften**

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... actual free space strategy

**The Emscher Landscape Parc**

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**Flächenmanagement in Industriefolgelandschaften**

Manfred Bottmeyer - FIG Marrakech

The basic model of the Area Circuit Economy

- **Landmanagement of the RVR**
- **Ecologic directed non profit orientated landdevelopment in regional context**

**Areas without senseful economic perspectives**

- **Lying idle**
- **Temporary use**
- **Giving up use (Decline)**
- **Redevelopment**

**New definition of building areas on „green meadows“**

**Source:** BBSR/IFU 2007

**Risks and chances by developing brownfields**

© Dr. Weitkamp, Alexandra; DVW Merkblatt „Brachflächenrevitalisierung“ 2010

**Land value formel use**

**Brownfields in a wider sense**

**Risk**

**Preparation costs**

**Land value**

- **not viable**
- **partly viable**
- **viable very carefully**
- **viable**
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**Former Industrial Waste Land**
**Now Golf Course**

**Industrial Waste Land**
**Collierie Pörtingsiepen**
Development of the Property of the Regional Association Ruhr from 1968-2010

Local distribution and structure of the RVR-Property

Forests 65%
Landfills 1%
Greenfields 2%
Wastelands 5%
Waters 4%
Tips 7%
Sheltered nature 16%
Flächenmanagement in Industriefolgelandschaften

Dette billede kan ikke vises i øjeblikket.

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Dredging and sand mining have left their marks at many places ...

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... which are developed to recreation areas

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The ruhr area was crisscrossed by lots of mining railways ... which temporarily disappeared, but ... which nowadays are developed to cycle trails!
The "Rheinische Bahn Cycle Trail" will connect the Ruhr University with 2 campi in Essen and Duisburg.

Developing waste tips to impressive landscapes.

The waste material that has been brought to the surface with the raw coal...
... is used to build small mountains formed like natural landscapes...

... so that different species of plants and animals can find a new habitat there. Even the residents benefit from that. These mountains have become parts of the so called "green lungs" in the Ruhr area and by that they are popular greenbelt recreation areas.
**Hoheward - The Landscape-Park**

Conservation of historical railway infrastructure

**Bahnwerk Bismarck Gelsenkirchen**

Railway-Museum Bochum-Dahlhausen
Bridging Gaps

The Ore-Rail-Bridge

The Dragon-Bridge

The reconstructed Pillar-Bridge
Europe’s most beautiful bridge

Gelsenkirchen. Europe’s most beautiful bridge has been constructed in Gelsenkirchen. The Grimberg-Bridge traverses the Rhein-Herne-Canal with only one elegant swing.

The award winning bridge at the Gelsenkirchen Grimberg.port. (Foto: Malinowski)

Save the Date!

INTERGEO

Kongress und Fachmesse für Geodäsie, Geoinformation und Landmanagement

Intergeo 2013, 8. bis 10. Oktober in Essen

Manfred Bottmeyer - FIG Marrakech
Thank you for your kind attention!

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