

Business park “Boytal”

Status	Implemented 2011 - 2012
Location	Germany, North Rhine – Westphalia, Bottrop
Spatial info	Business / Industrial park
Measure type(s)	Green open spaces; Water retention, water drainage
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Description and Aim

Rainwater from an existing business site and a small wetland is disconnected from the sewer system.

About 1.5 ha wet land and 4.0 ha of sealed area are disconnected.

Aims are: Creating a buffer in the existing system for the rising number of heavy rain events. Strengthen the existing river system Boye. Reduce the amount of wastewater to save energy.

Adaptation to climate change

Due to more heavy rains in future there will be more often an overload of the existing sewage system.

Problems addressed:

Heavy precipitation / flooding

Receptor(s):

Infrastructure, natural resources

Experiences

Functionality:

Less risk of capacity overload in the sewage system and reducing the amount of energy for cleaning the clean rainwater by taking the rainwater out of the system,

Further synergies/benefits:

The project is located within the Innovation City Bottrop-Area. There will be a lot of energy efficiency and mitigation measures in the next ten years.

Costs:

around 400.000 €

Funding:

International and regional. Interreg IV B-programme, Zukunftsvereinbarung Regenwasser (Emschergenossenschaft)

Stakeholder involvement:

City of Bottrop, Emschergenossenschaft

Acceptance:

The problems of the existing system are very obvious, so it is not difficult to communicate that a new sustainable solution makes sense and is necessary.

Obstacles/restrictions:

Existing protected landscape, parallel planning from other organizations and water legislation occurred as obstacles in the planning process.