From grey to green and blue – The transformation of an industrial city in the Ruhr area

Sebastian Schlecht Strategic Management European Green Capital

Department Environment, Mobility and Sports City of Essen, Germany

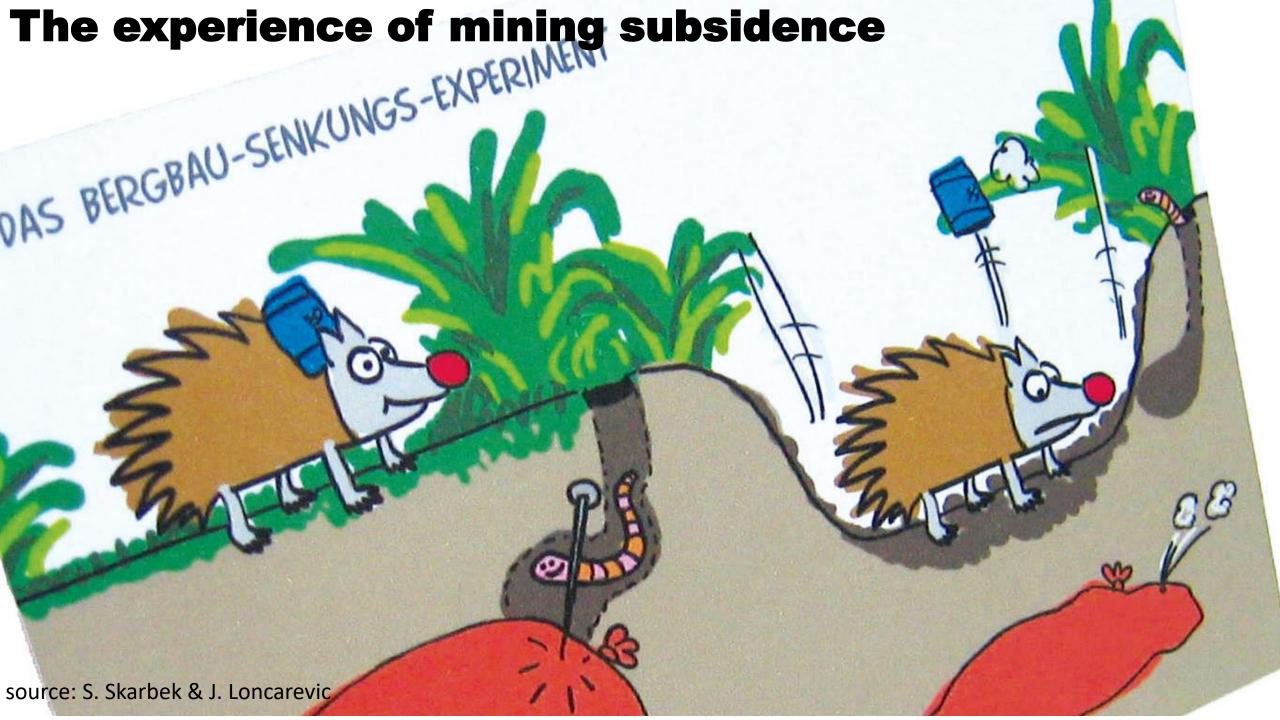


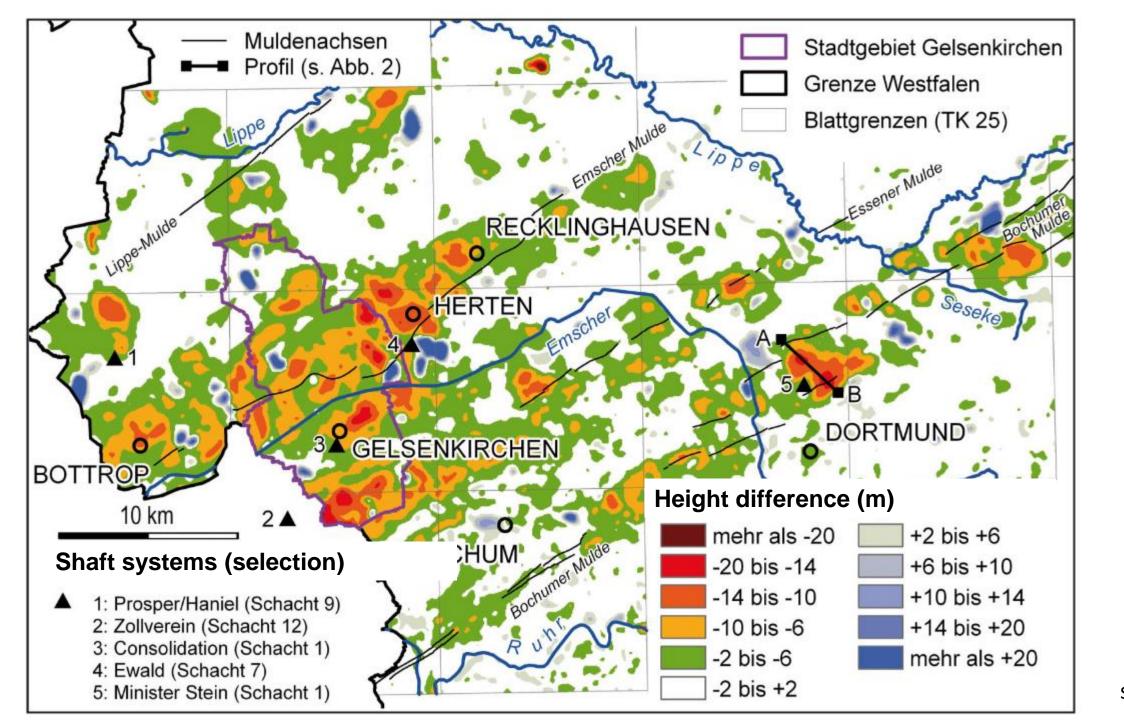










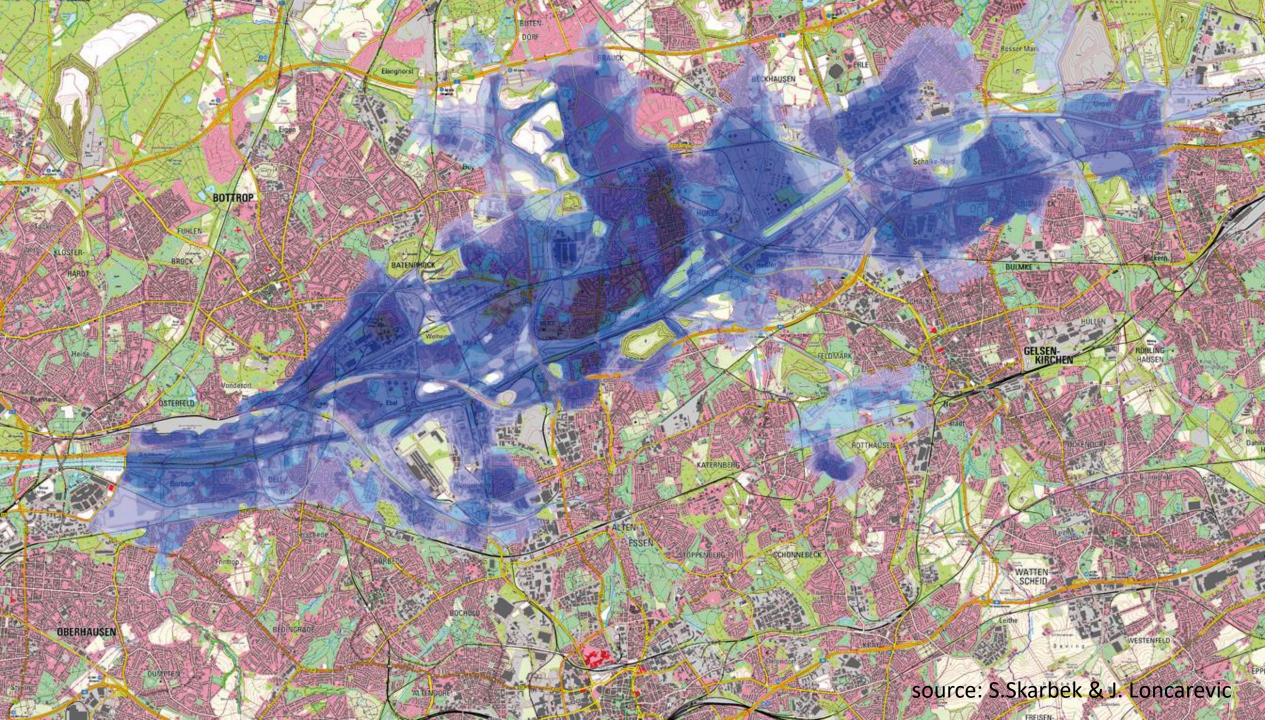


source: lwl.org

In order to maintain their runoff, rivers had to be raised and dammed above subsidence areas.

Along its main course, the river Emscher is now bordered by dykes that are up to 10 m high for 75 km.

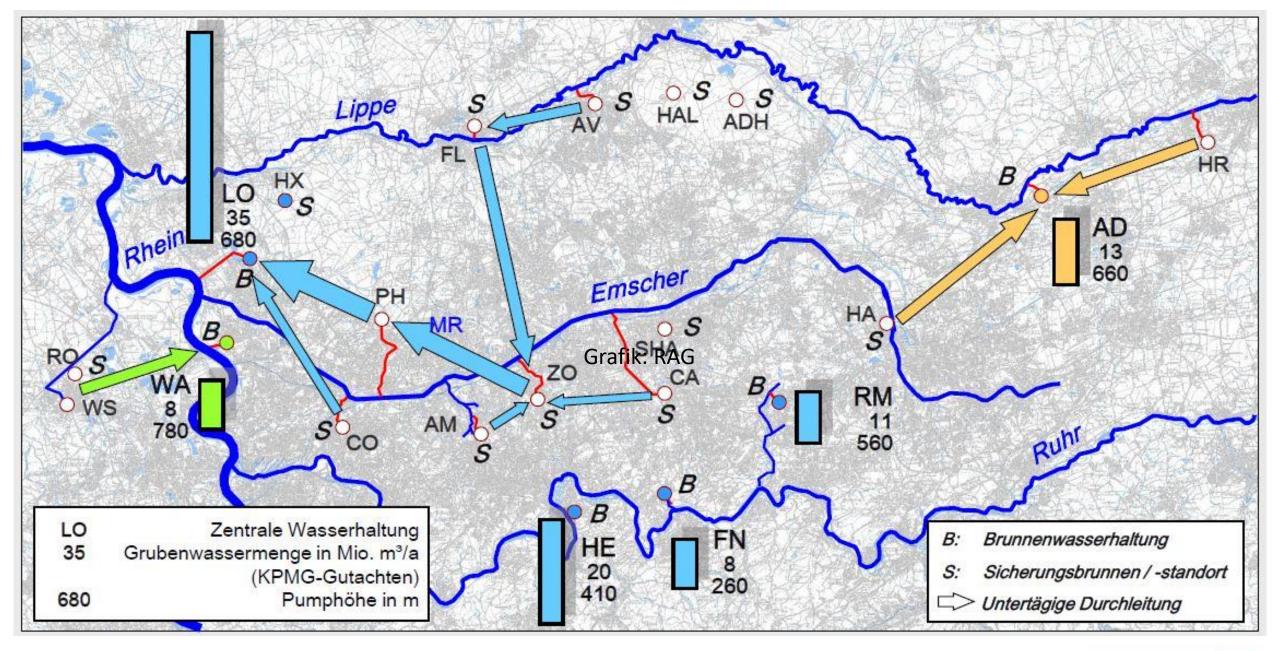
If the pumping stations were to fail, part of the artificially drained areas in one of the most densely populated urban areas in Europe would be under water. The total amount of water pumped from the subsidence areas in the Emscher and Lippe regions amounts to a total of 608 million m³. This corresponds to almost three times the capacity of the Bleilochtalsperre in Thuringia, the largest dam in Germany.



The Ruhrlandsee?



source: S. Skarbek & J. Loncarevic



Mine water management as an eternal task

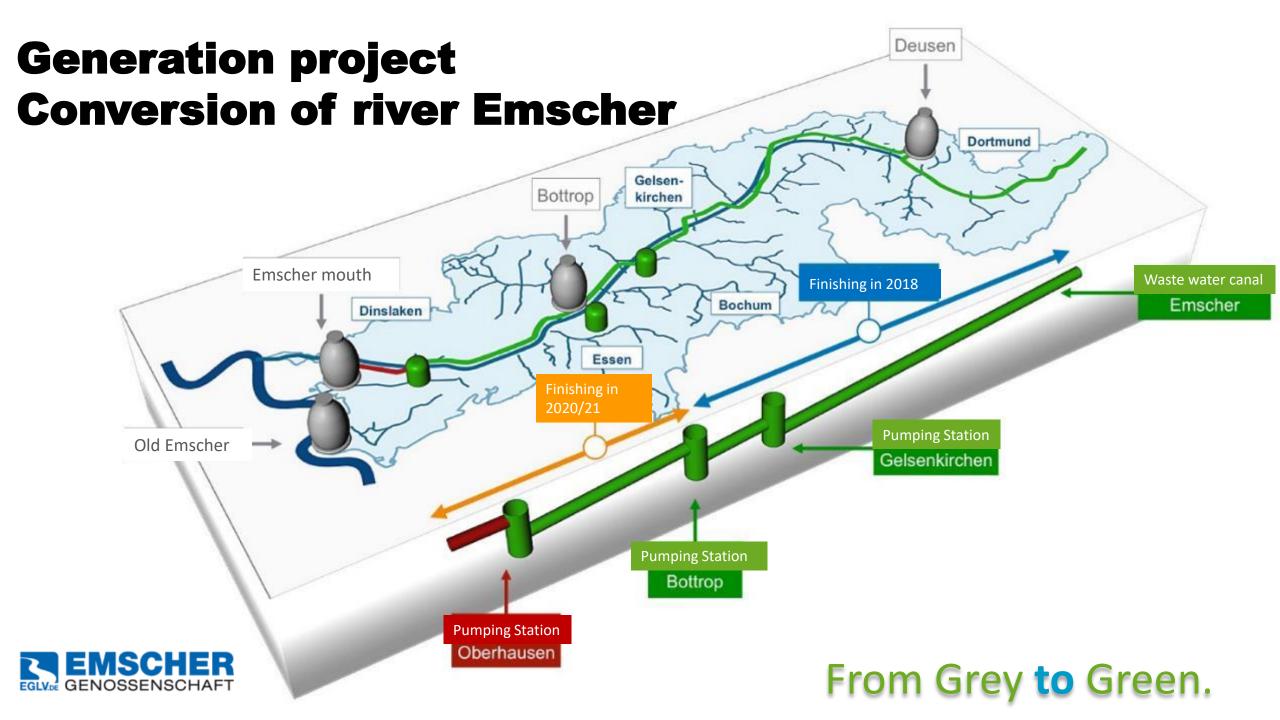


Conversion of river Emscher

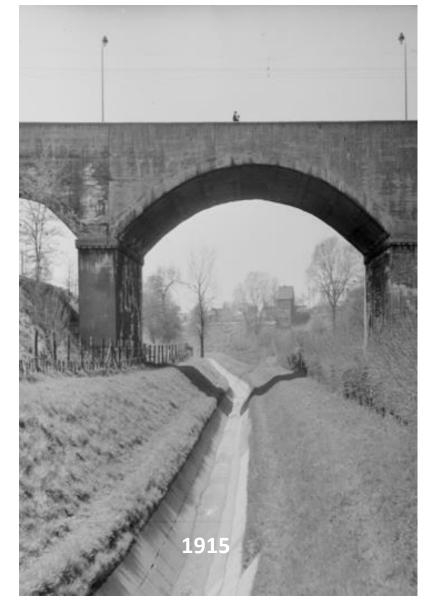
- 865 km² coverage aerea
- 85 km lenght 1.300.000 m³ excavation

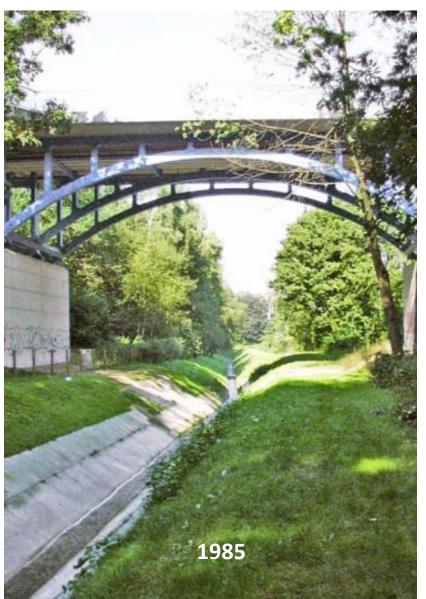


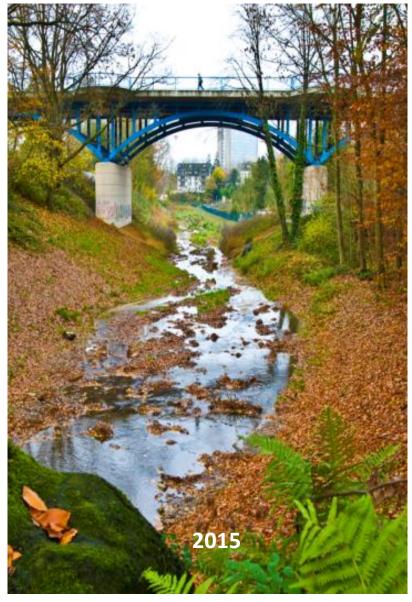


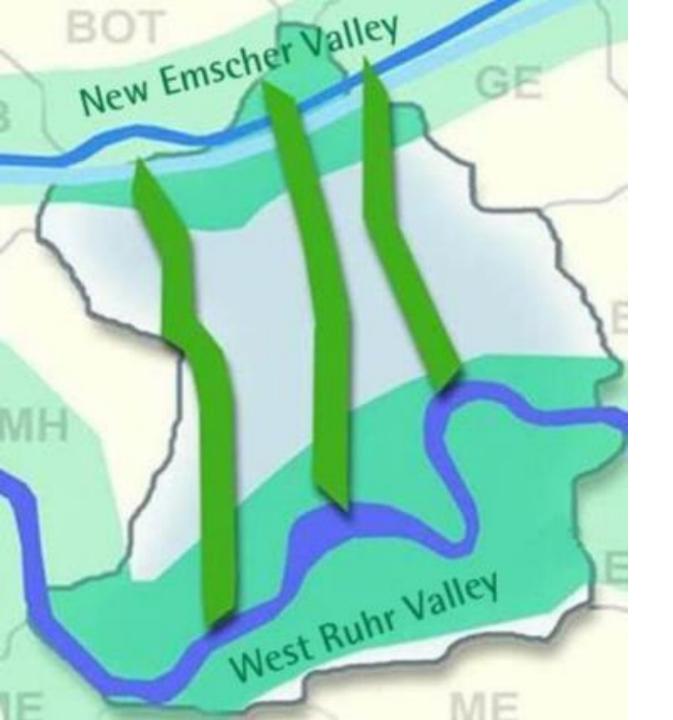


From the open sewer to living space:

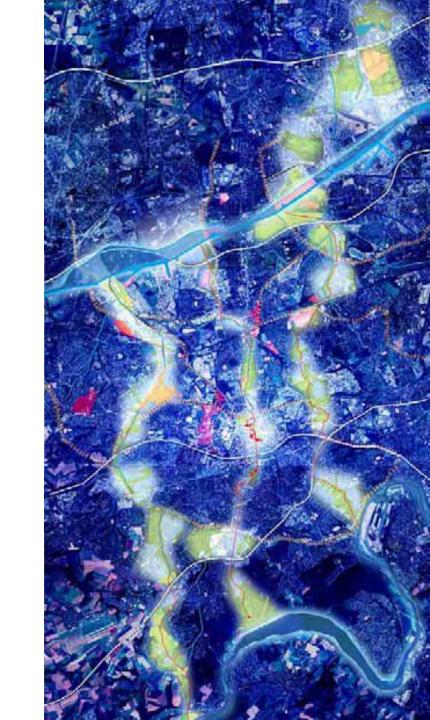


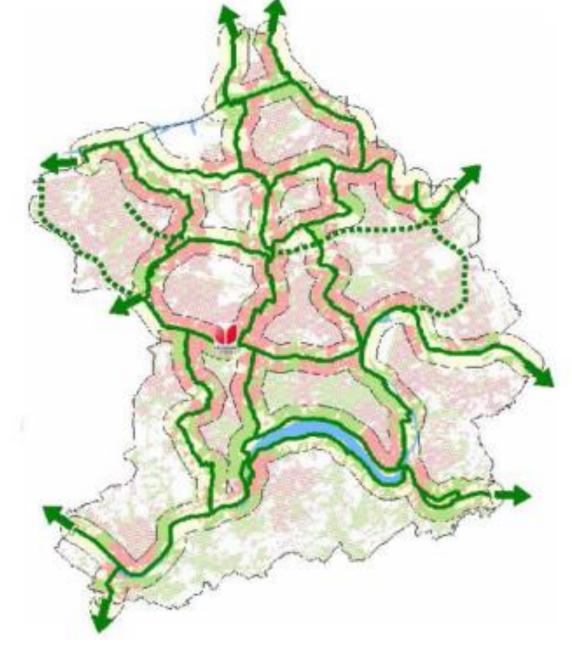






NEW WAYS





Connect through green







- Developing a green network for people and biodiversity
- Conversion of sewage and industrial rail infrastructure
- Connection to regional goals
- Involvement of the unemployed and educational programs
- More than 500 individual projects over 15 years



5th
Anniversary
of the Paris
Agreement



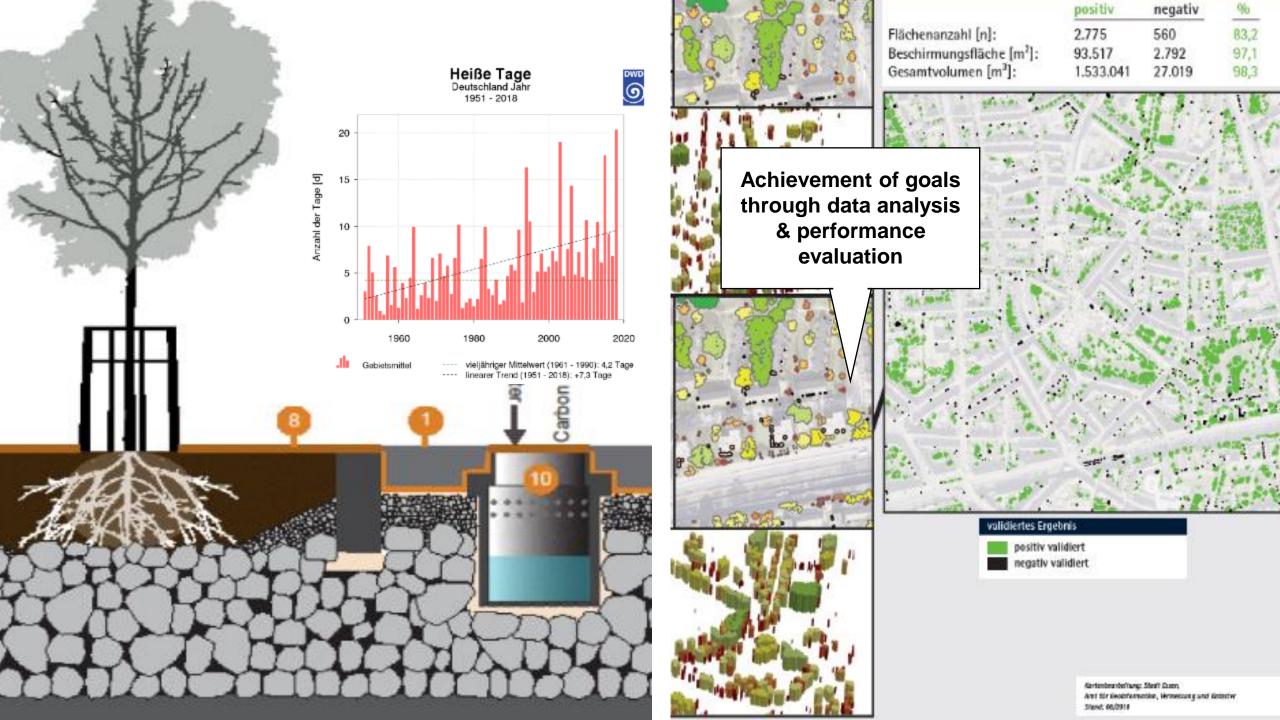


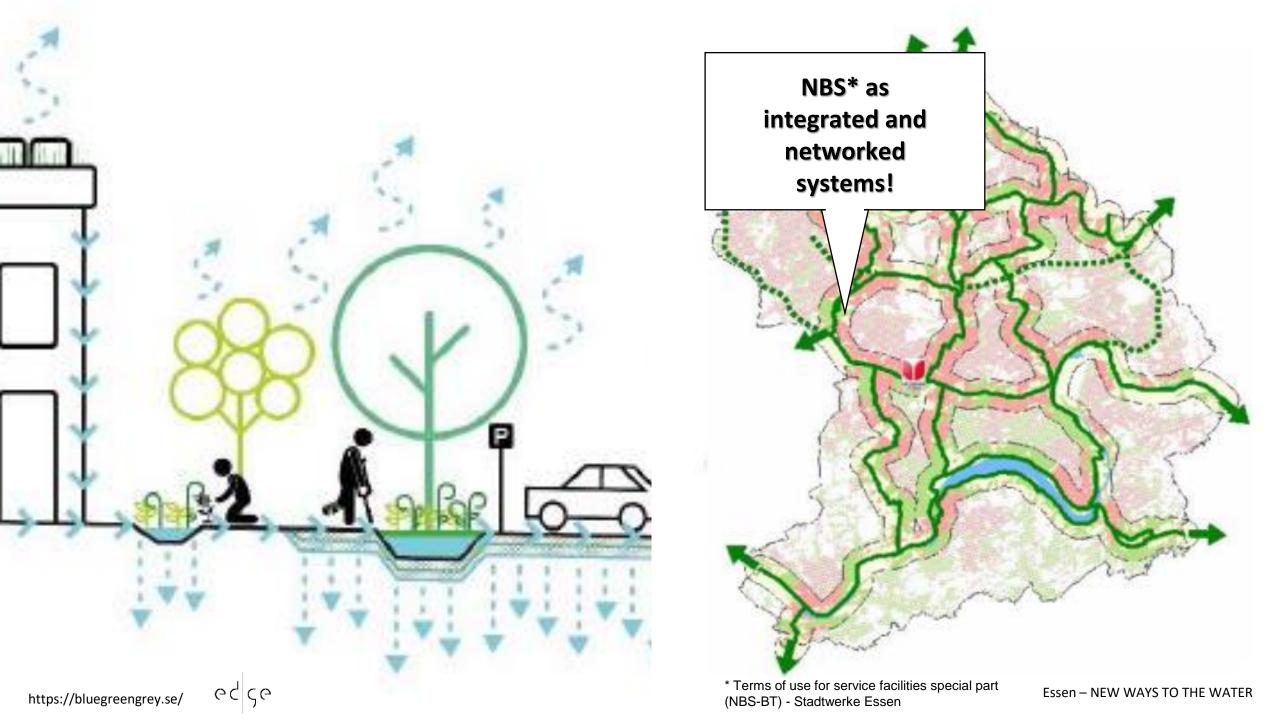










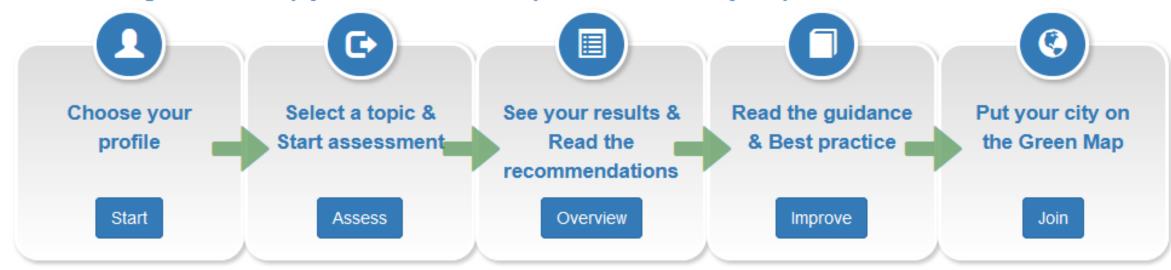




Welcome to the Green City tool

This tool is both a simple self-assessment and benchmarking tool for cities, and a source of information and advice for anyone wanting to learn more about how we can make cities greener and more sustainable. This tool is all about city governance and the approach taken to sustainable urban planning – it is not about quantitative indicators of sustainability, although it will guide you to the best places to find such information.

To start using the tool, simply click on the first step below to choose your profile:





Steer integrated and holistic!

















