

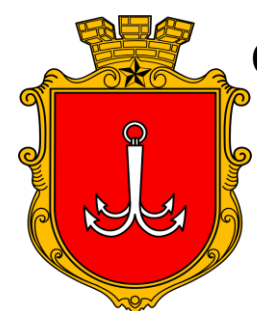
Dortmund: hub of coalmining in Germany



Dortmund

280 km²

600.000 inhabitants
2.140/km²

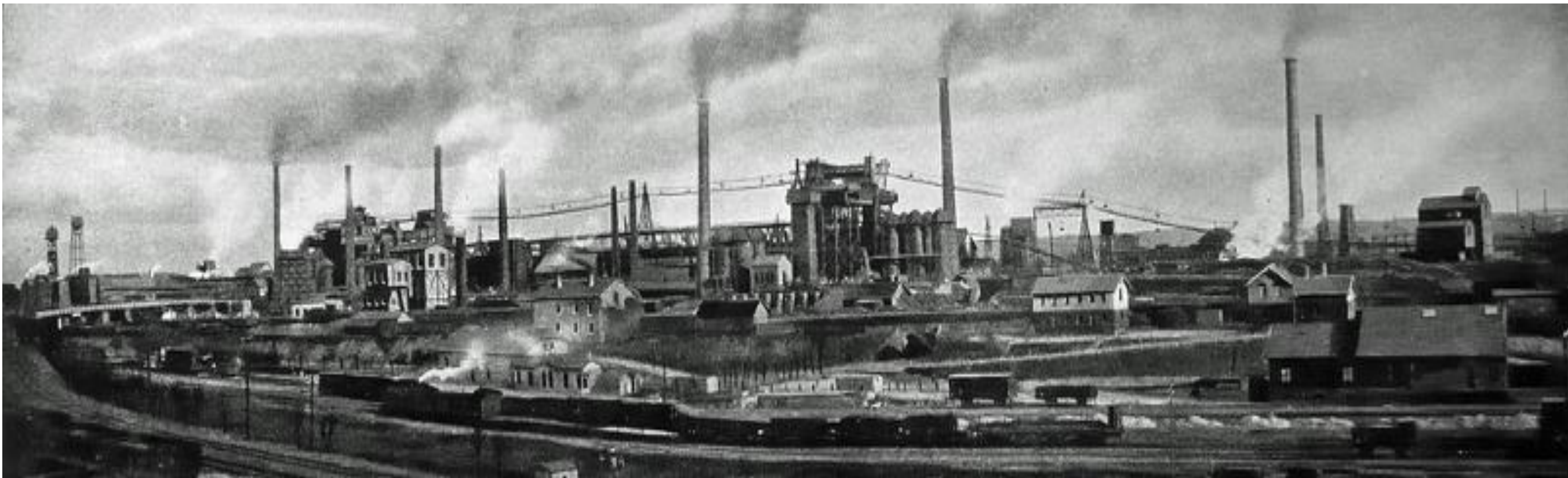


Odessa

160 km²

1.000.000 inhabitants
6.250/km²

Steel Plant Phönix 1954



Georg Braun and Franz Hogenberg

Dortmund 1647



Stadt- und Landesbibliothek Dortmund

Dortmund 2006

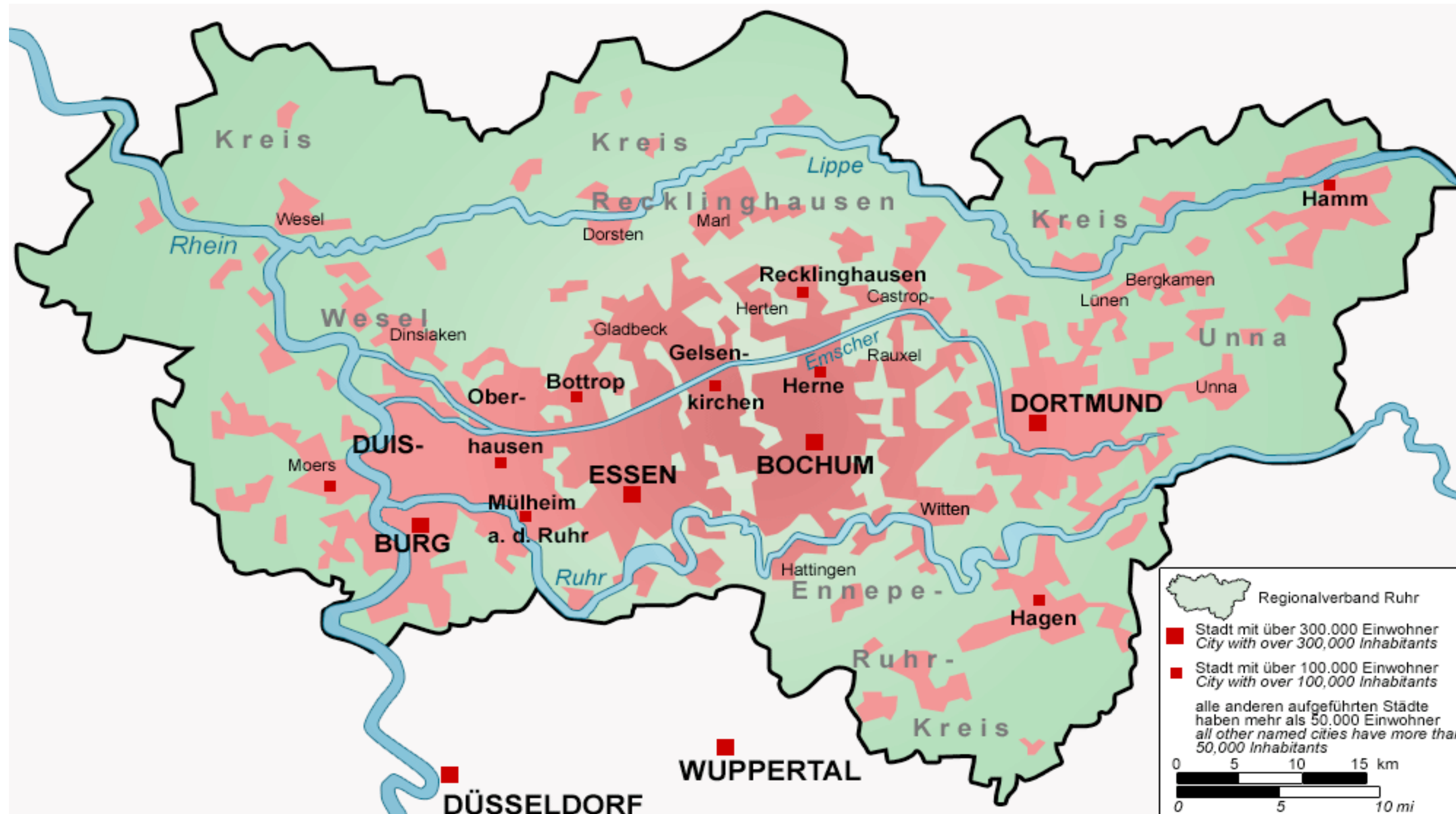


MbDortmund, Germany

Dortmund 2015



„River-Emscher-System“ 100 years of first-class - engineering and Impacts of climate change



1920



© Umweltamt Dortmund

1995



© Umweltamt Dortmund



© Feuerwehr Dortmund



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2008 - 2014

Main challenge

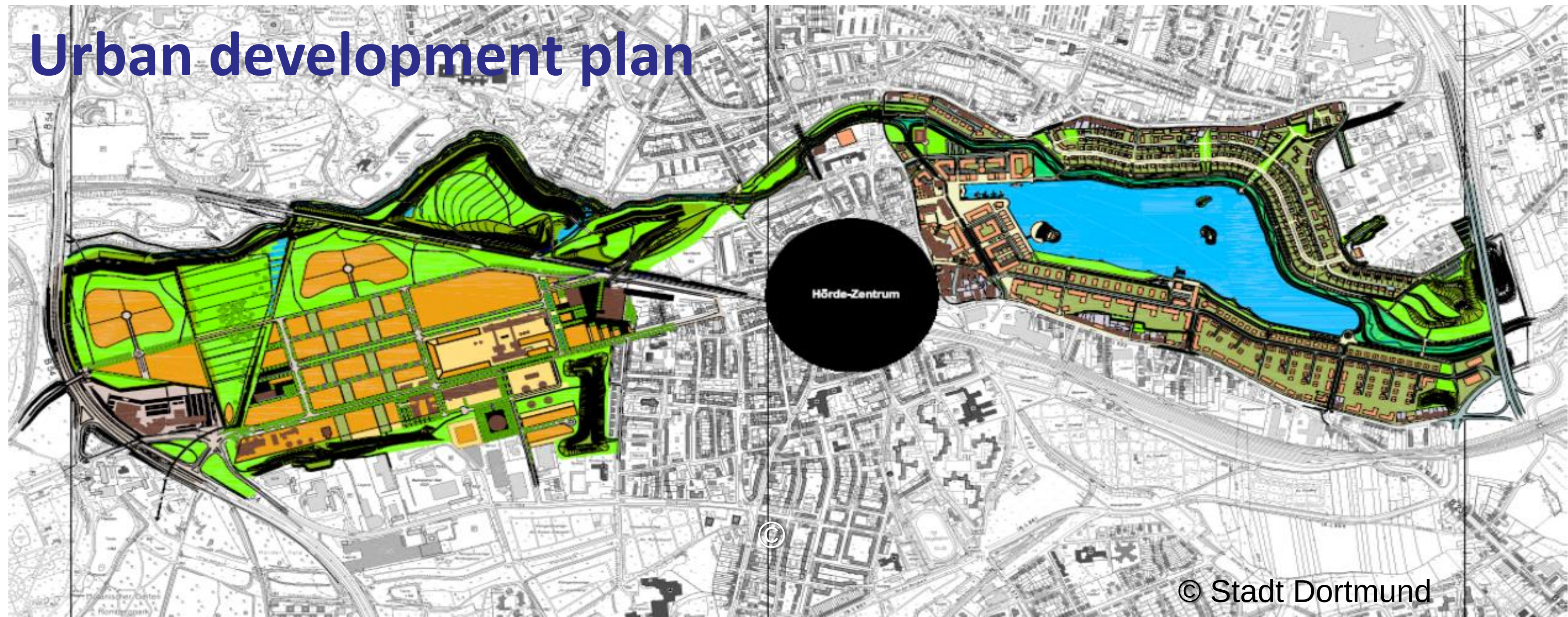


© Phoenix after deconstruction of the steel plant

- structural change
- social problems
- climate change
- environmental issues
- industrial heritage

The idea: „Technology Park Phönix West and Lake Phönix

Urban development plan



Institutional settings by legal processes



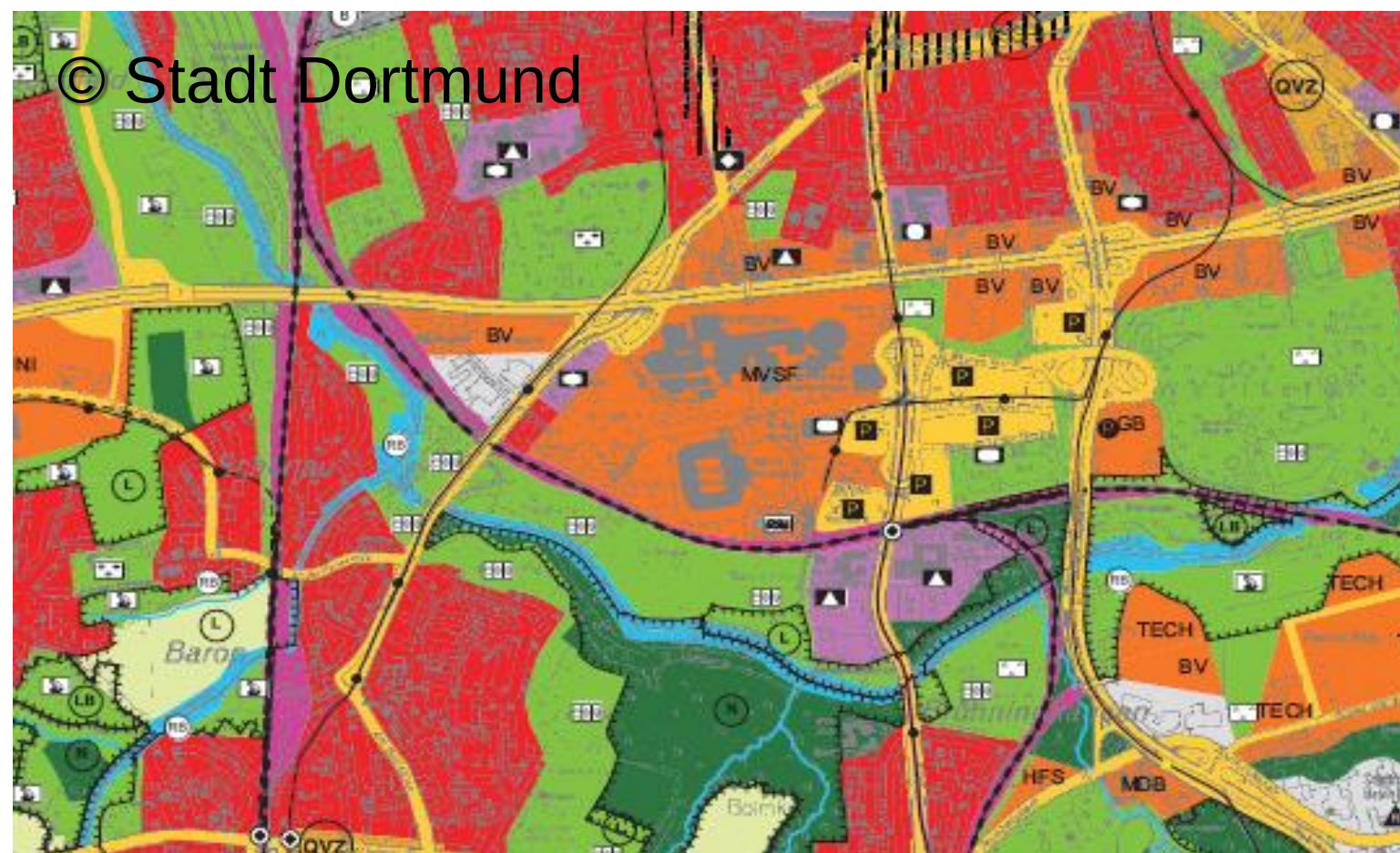
© Michael Leischner

Citizens



© Stadt Dortmund

Decision makers



© Stadt Dortmund

Local development plan

Local council
Settlement policy
Urban planning
Landscape plan
Citizen participation
Energy concept
team

Planning Authority
Environment Agency
Management Company
NGO's
Investors
Climate protection

Practical Implementation

Concrete seals for contaminated material



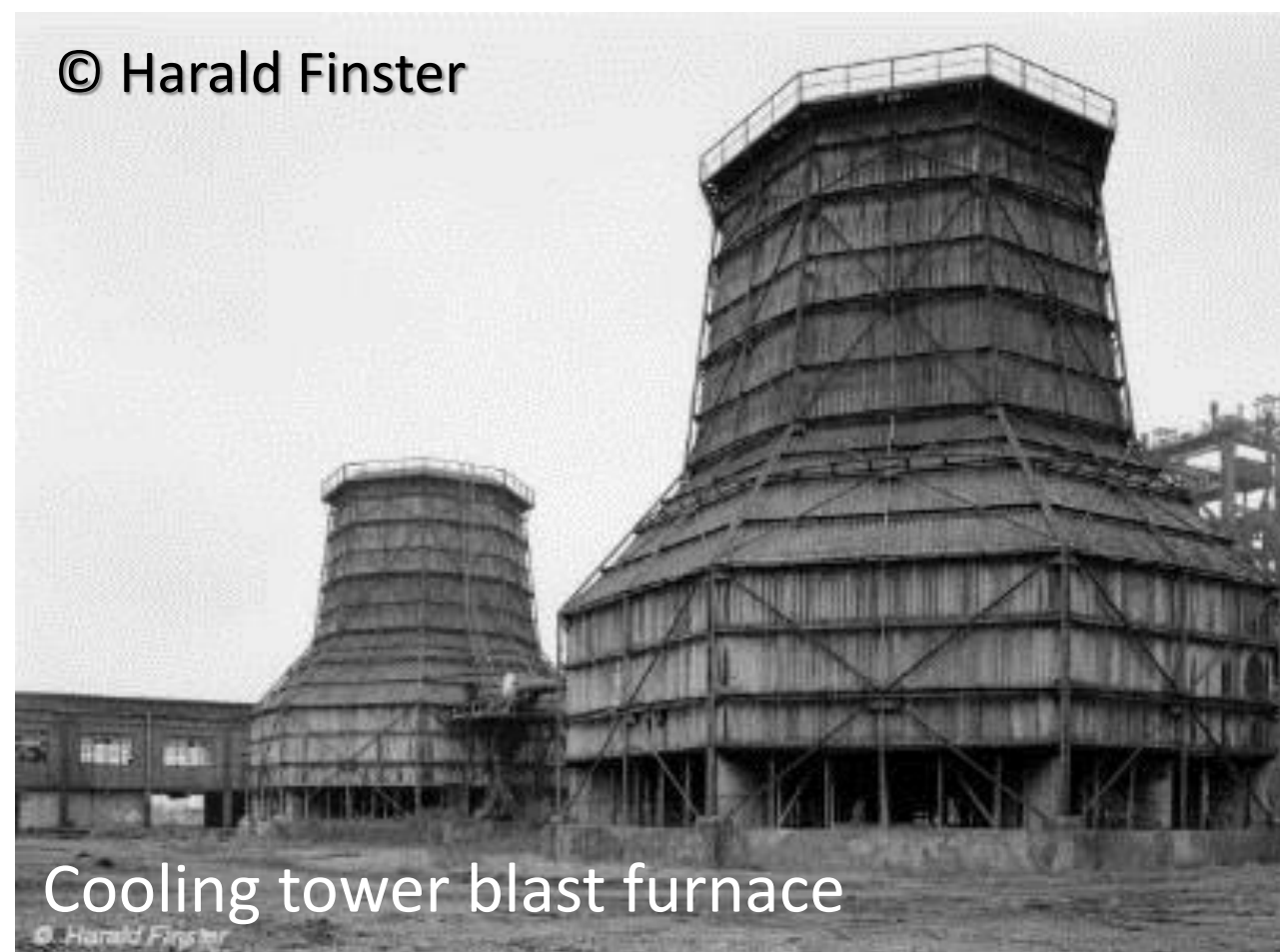
Rainwater cascades



Sewage pipes and heat exchanger



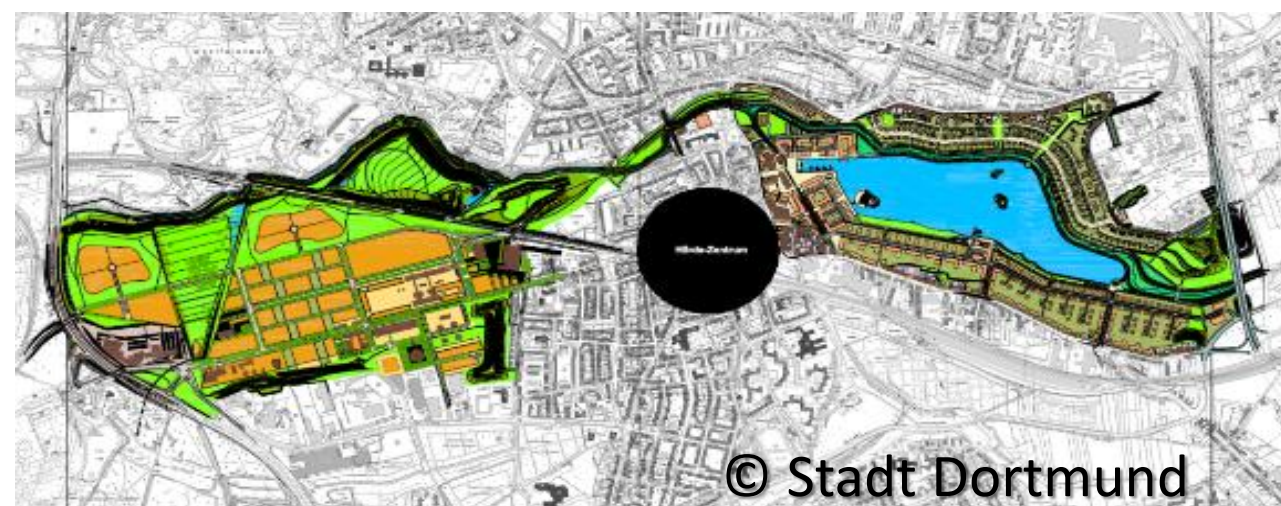
© Harald Finster



Rainwater cistern and design element



Rainwater cascades



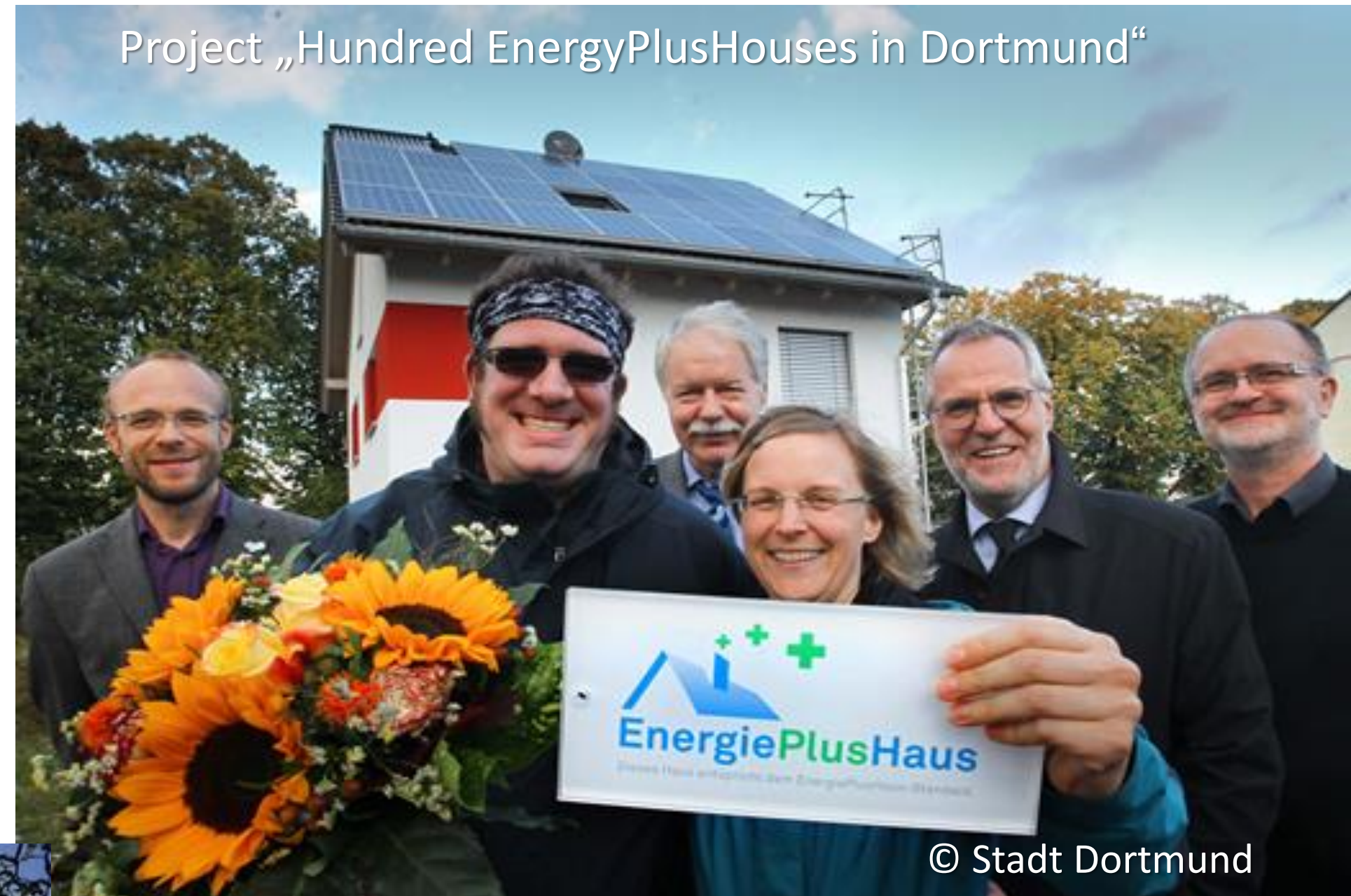
Facing future challenges by landscape architecture, urban design, nature reconstruction, adaptation to climate change, new jobs, housing supply

Hörder Bach as urban design element



© Wirtschaftsförderung
Dortmund

Project „Hundred EnergyPlusHouses in Dortmund“



© Stadt Dortmund

Architectural competition



© Stadt Dortmund

© Riessdo



Viaduct for slag trains as urban Design element

Resilient Dortmund

Transfer to another place?



Necessary preconditions

Ideas(exchange); **doer** and **strategist**; good **networking**; in **touch** with the specific **local situation**, **legislation** and **planning policies**; **creativity**, **courage**; **money**; **act with foresight**; **streamlined organisation**; **unconventional solutions**

First steps

local **council decision** for development plan process; public participation; **management company** subordinate to **municipality**; regular **round table meetings** for all stakeholders

