

ESSEN

winner 2017



EUROPEAN
GREEN CAPITAL

*An initiative of the
European Commission*



Simone Raskob

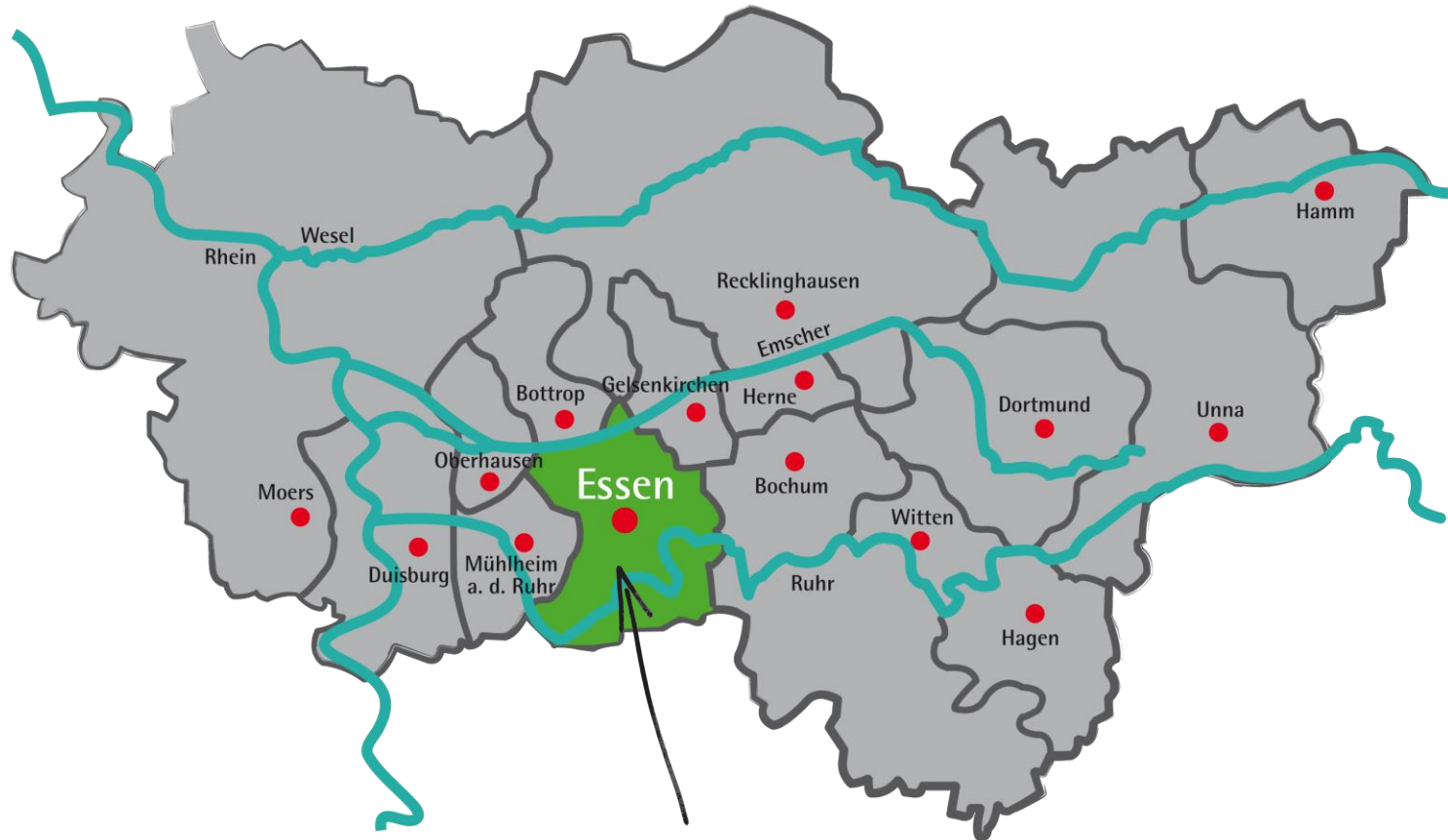
City of Essen, Germany
Deputy Mayor for Environment
and Construction

Renovate Europe Day 2015
Brussels, 15 October 2015



RUHR AREA

5.1 million inhabitants
biggest conurbation in Germany
and 3rd biggest in Europe



There we are!

THE CITY OF ESSEN

577.000 inhabitants
9th biggest city in Germany



FROM GREY TO GREEN





- 1 Climate Change
- 2 Public Transport
- 3 Green Spaces
- 4 Nature and Biodiversity
- 5 Air Quality
- 6 Quality of Acoustic Environment
- 7 Waste Management
- 8 Water Management
- 9 Wastewater Management
- 10 Eco-Innovation and Sustainable Employment
- 11 Energy Efficiency
- 12 Integrated Environmental System



ESSEN – PRESENTATION / KEY CHARACTERISTICS

- | City in Germany, North-Rhine-Westfalia
- | Essen is part of the conurbation Ruhr metropolis with 5.1 million inhabitants
- | Essen: 574.000 inhabitants
- | 210 km²
- | 46 % settlement and traffic area
- | 54 % shares of open space
- | 150 years transformation process from a coal and steel town to a modern green residential and commercial city

Metropole Ruhr



SELECTED MILESTONES OF CLIMATE POLICY OF THE CITY OF ESSEN

1993 Member of Climate Alliance

2009 Unanimous adoption of „Integrated Climate and Energy Concept“ - Adaptation and Mitigation

2010 Accession to „Covenant of Mayors“

2010 Successfull audit for the „european energy award“

2011 Winner of the competition „Energy Efficient Cities“

2012 Foundation of the „Climate Agency Essen“

2013 Recertification „european energy award“

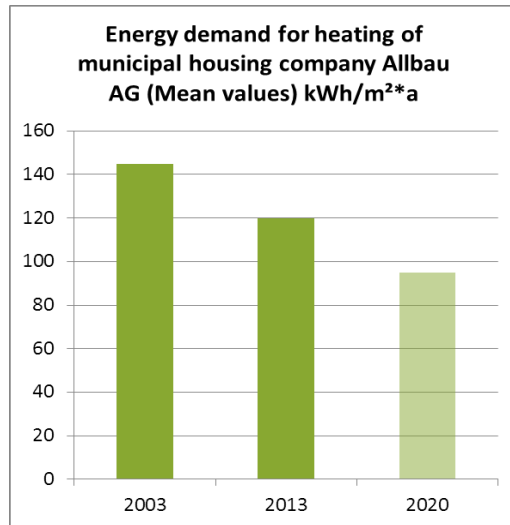
2014 Finalist European Green Capital Award 2016

2015 Winner European Green Capital Award 2017

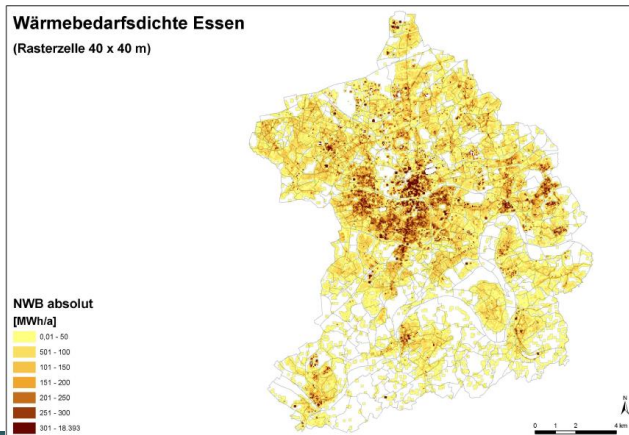
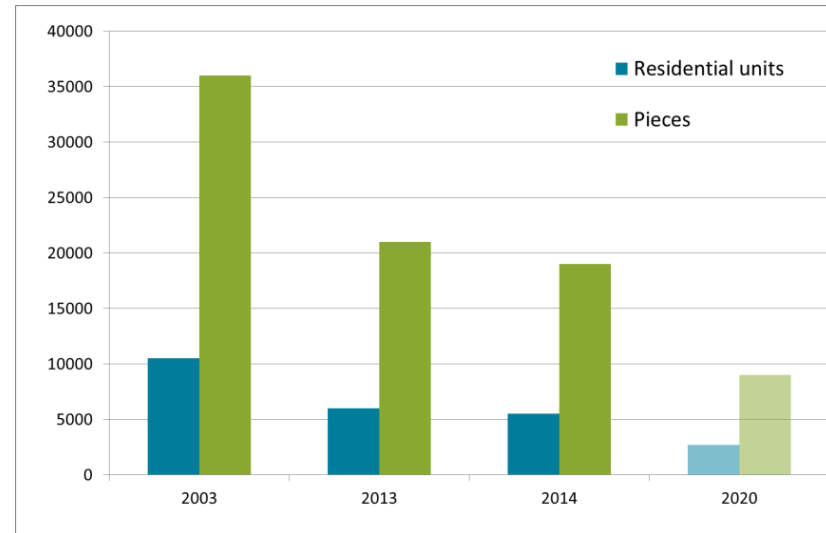


BUILDINGS: RETRO-FITTING/OFF-PEAK-STORAGE-HEATING/COGENERATION +DISTRICT HEATING/

Energy Demand Public Housing



Phasing-out Off-Peak-Storage Heating



Cogeneration & district heating

ENERGY EFFICIENT CONSTRUCTION



| „Klimaschutzsiedlung“
Dilldorfer Höhe

(Nearly zero energy
buildings)

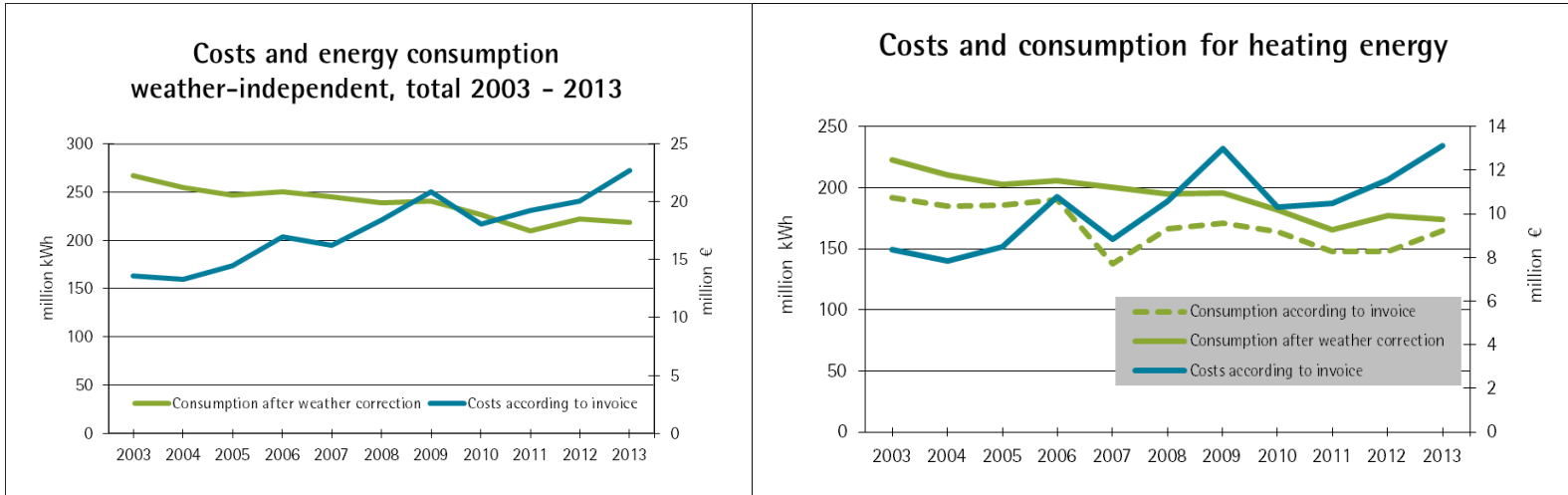
| Redevelopment of a freight
terminal



| Urban revitalization: Construction of a
lake and bicycle trail



MUNICIPAL BUILDING STOCK



Nearly zero energy schools:



CLIMATE AGENCY

- | One-Stop-Agency for
- | Refurbishment
- | Renewable Energy
- | Energy saving
- | Mobility
- | Climate protection



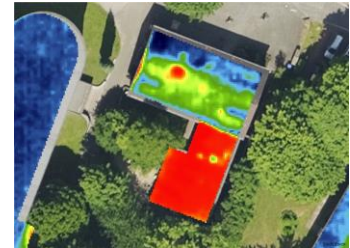
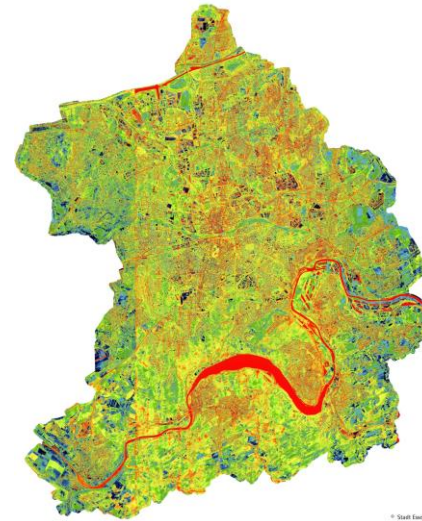
CLIMATE AGENCY ESSEN

Implementation of campaigns

- | Thermal imaging by plane of Essen
- | Climate Action Days : „Essen ist KLIMA-MOBIL“

Energy services

- | Developing financing and involvement measures
- | Market place for co-generation
- | Network for craftsmen and energy advisers
- | Network business and climate



NETWORK ENERGY-RELATED BUILDING MODERNISATION

- | Established by the Climate Agency in cooperation with the local Craftsmen Association
- | Goals of the network:
 - | Facilitate access to competent advisory services and ensure professional implementation
 - | Remove obstacles and motivate for energy-related renovation
 - | Ensure quality in advisory services and implementation of energy-related building modernisation
- | Initial advisory services by the Climate Agency and referral to the network, membership of currently 30 specialised companies

