



LAND
BRANDENBURG

Ministerium für Infrastruktur
und Landwirtschaft



Baltic Sea Region
Programme 2007-2013

Part-financed by the European Union
(European Regional Development Fund
and European Neighbourhood and
Partnership Instrument)



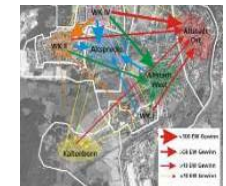
Energy Efficiency and Integrated Urban Development

Experiences from Brandenburg

Peter Busch
Ministry for Infrastructure and Agriculture

Thursday 21 October 2010

Strategic Learning



• Land Brandenburg

- Phase 1 (1990 – 2000)
Post unification emergency measures
- Phase 2 (2000 – 2005)
Cities in demographic change
- Phase 3 (2005 – 2009)
Cities on their way to Integrated Development
- Phase 4 (2010 – 2020)
Brandenburg Energy Strategy



Phase 1 (1990 – 2000)

Post unification emergency measures

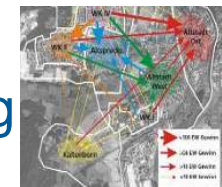
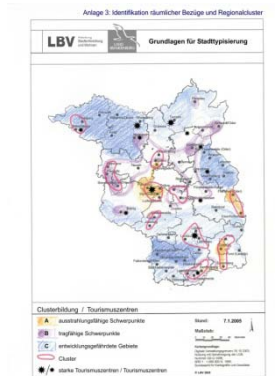
- **Overcoming the deficits of the state-socialist development**
 - Need for new attractive housing
 - Urban renewal in the old towns
 - Rehabilitation of the panel buildings and the large housing estates
 - Upgrading energy infrastructures and introducing energy saving measures
– mainly to reduce cost and save resources
 - Upgrading urban technical infrastructures and inner regional links



Phase 2 (2000 – 2005) Cities in demographic change

• Dealing with the demographic change

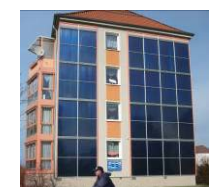
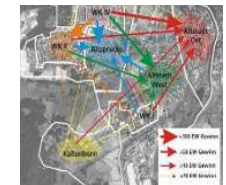
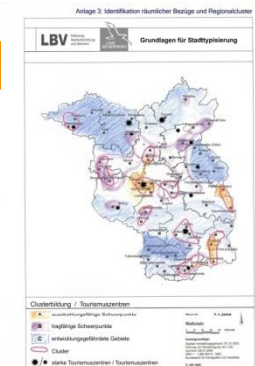
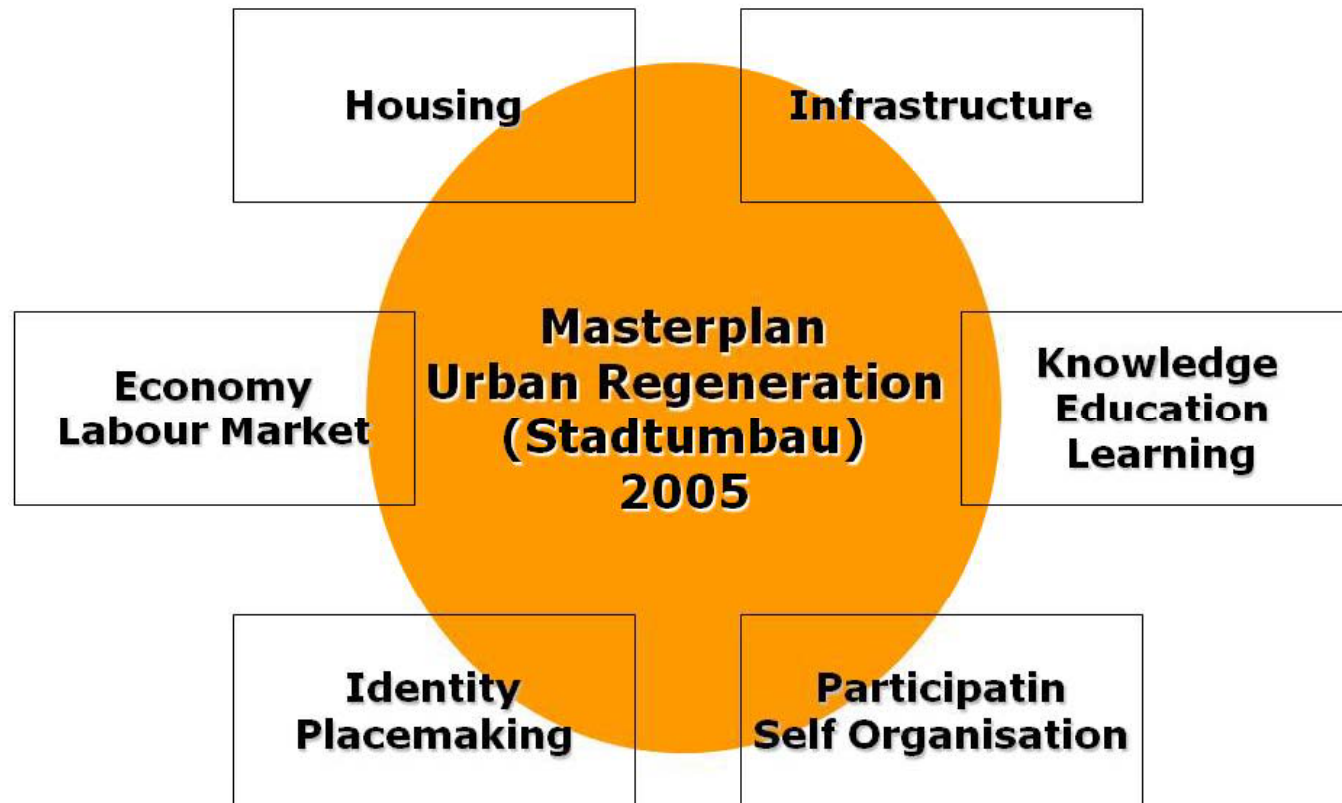
- Learning about the consequences of internal and external migration
- Understanding what the demand of an ageing population means for regions, urban development and housing
- Balancing building and demolition
Where to strengthen development and where to demolish
- Developing concepts for shrinking demand in water, energy, technical and social infrastructures



Phase 3 (2005 – 2009)

Cities on their way to Integrated Development

Action Fields for Strong Cities



Phase 4 (2010 – 2020)

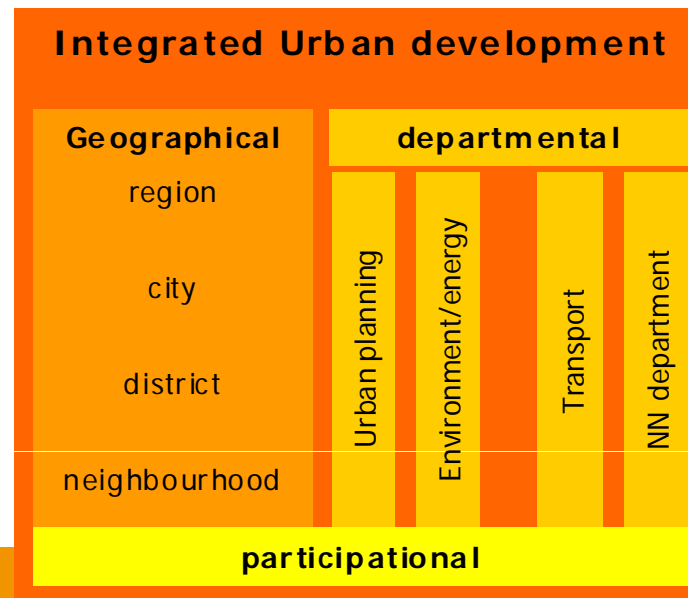
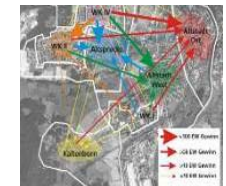
The Brandenburg Energy Strategy 2020

- **Secure Delivery – Clean Environment**
- **Inter – Ministerial Cooperation**
- **Building upon the EU - Leipzig Charta for the Cities 2006**
- **On the urban level – continuation of the Integrated Urban Development Concepts with the Strategic Aim of Energy Efficiency and Climate Protection**

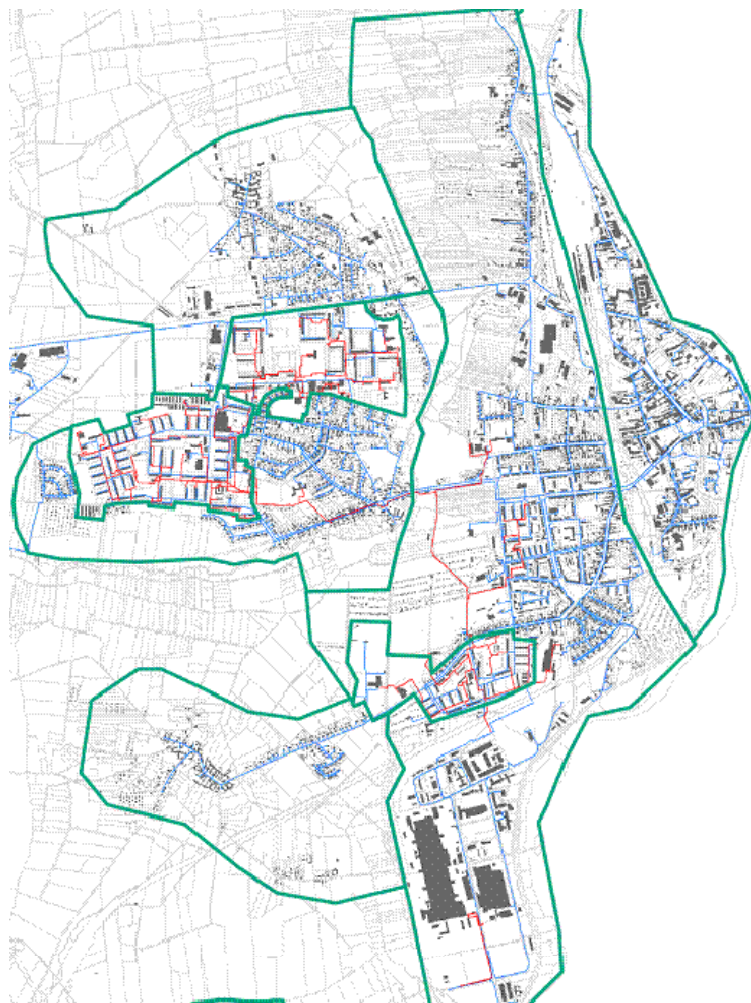


Urban Climate Concepts

- Integration of adaptation to Climate Change into the urban and regional development strategy
- Intensive participation by all actors and the end-users
- Utilising complex medial based support systems to evaluate outcomes and adapt to changes



On the Local Level - Guben



- Present state of supply

Natural gas

Co-generation of heat region

Guben co-generation plant

Industrial steam



Guben's Energy Strategy for the Future

Basis: Brandenburg Energy Strategy 2010

Integrated Urban and Settlement Development

- Guben as an attractive place for housing and labour – an example for the region

Renewable energy

- Proportion of renewable energy - 20 per cent until 2020

Safe energy supply

- Local self generation of electricity and heat 20 per cent until 2020

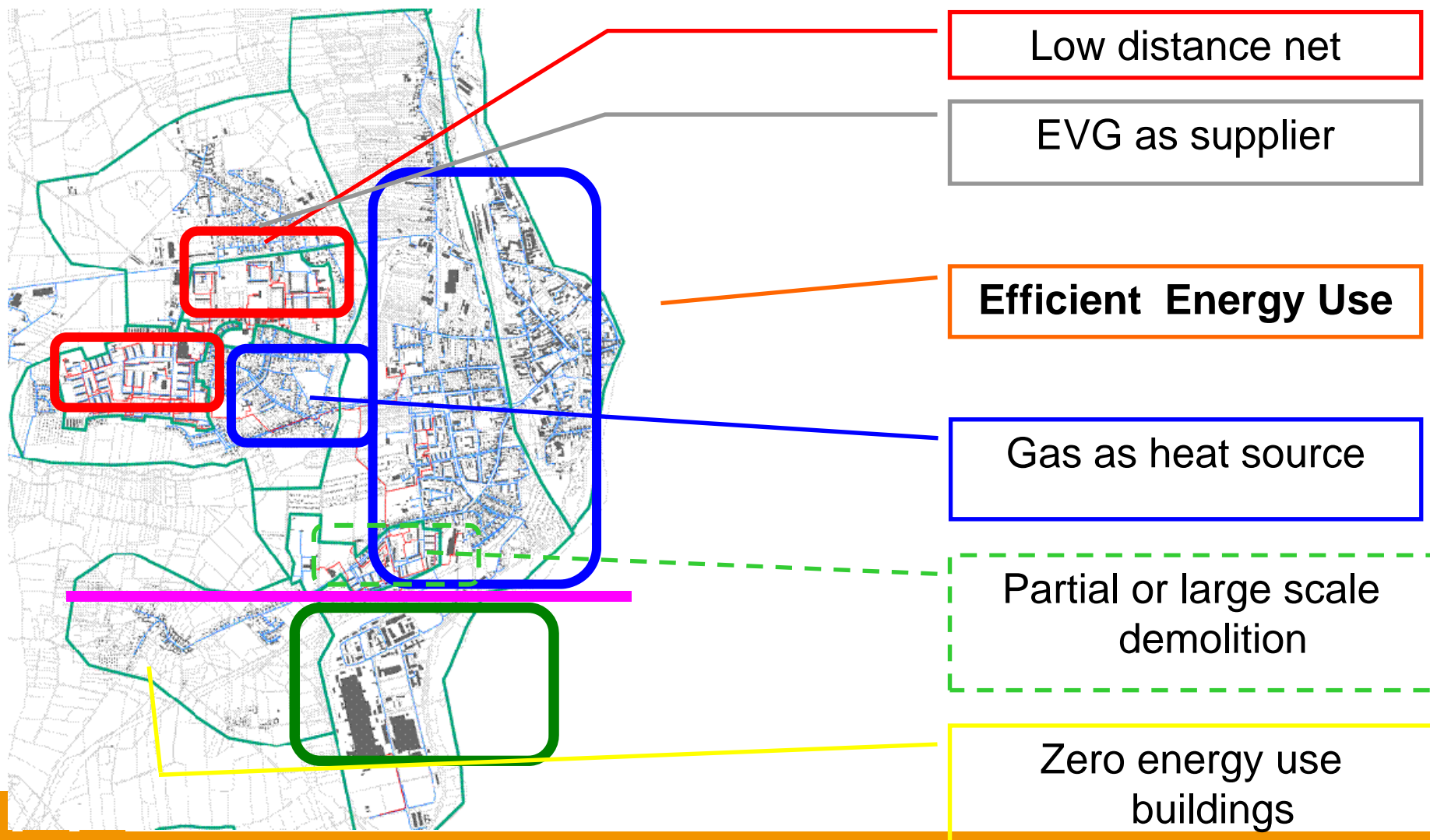
Energy efficiency

- Reduction of Energy consumption by 13 per cent by 2020

CO₂ – Emissionen

- Reduction of CO₂-Emissions by 40 percent until 2020 in relation to 1990

Example - Strategy 2: De-central energy provision



The Outlook – Clean and Efficient Brandenburg

- Participation in the National Urban Development Policy and Experimental Urban and Housing Programme
- A variety of experimental projects to be multiplied throughout Brandenburg
- Energy in the City Sept 2010
- Preparation for the next EU structural funds period 2020
- Technological experiments

