



LAND
BRANDENBURG



Baltic Sea Region
Programme 2007-2013

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



Ministerium für Infrastruktur
und Landwirtschaft

Energy Efficiency and Integrated Urban Development

Experiences from Brandenburg

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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

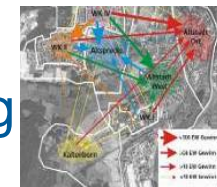
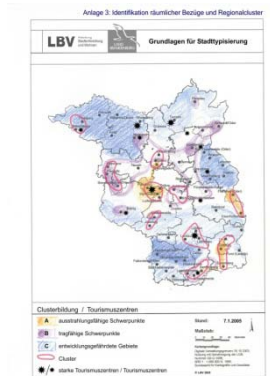


Phase 2 (2000 – 2005)

Cities in demographic change

- **Dealing with the demographic change**

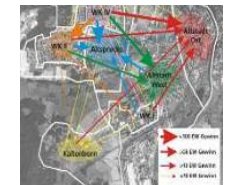
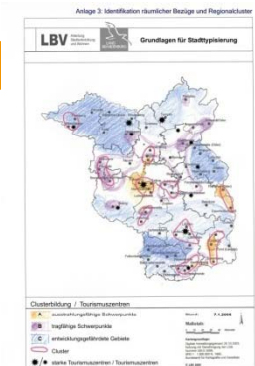
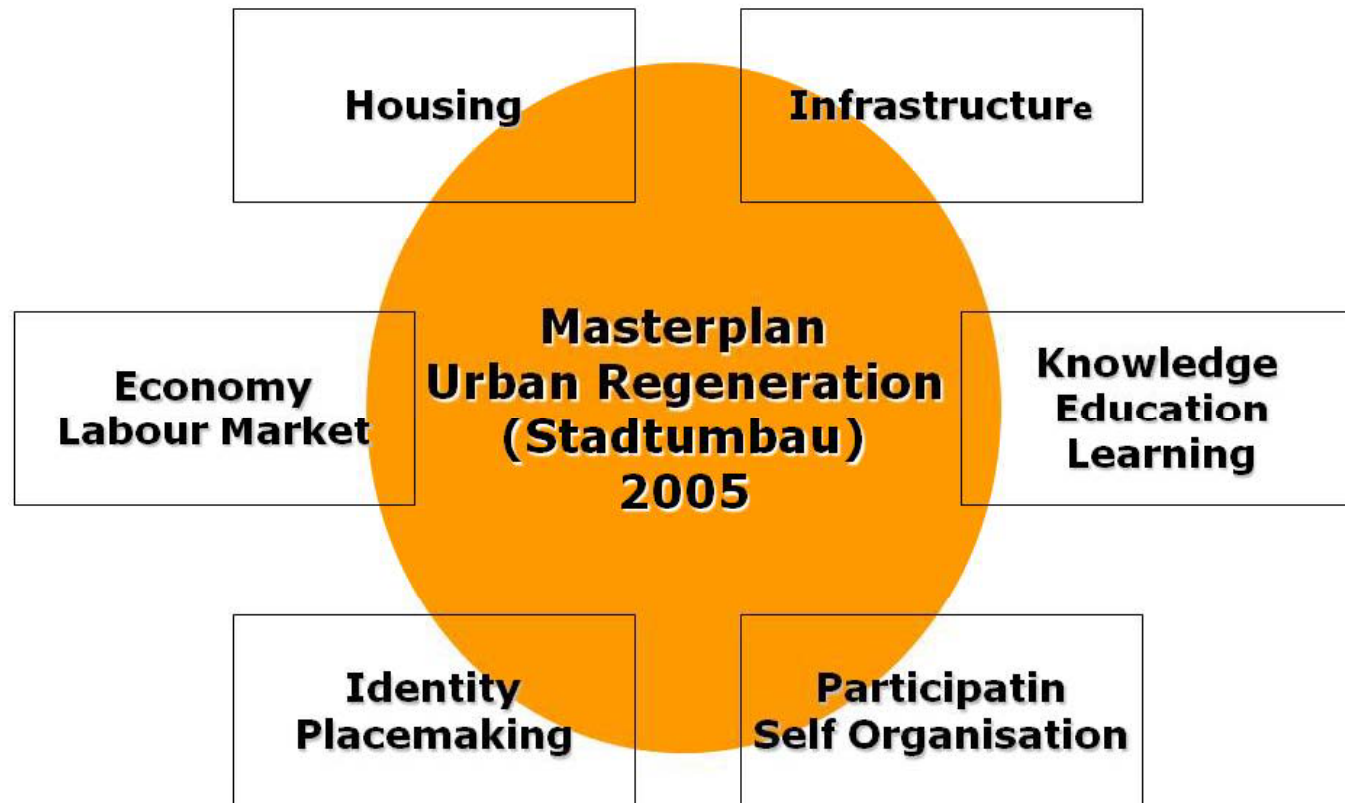
- Learning about the consequences of internal and external migration
- Understanding what the demand of an ageing population means for regions, urban development and housing
- Balancing building and demolition
Where to strengthen development and where to demolish
- Developing concepts for shrinking demand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

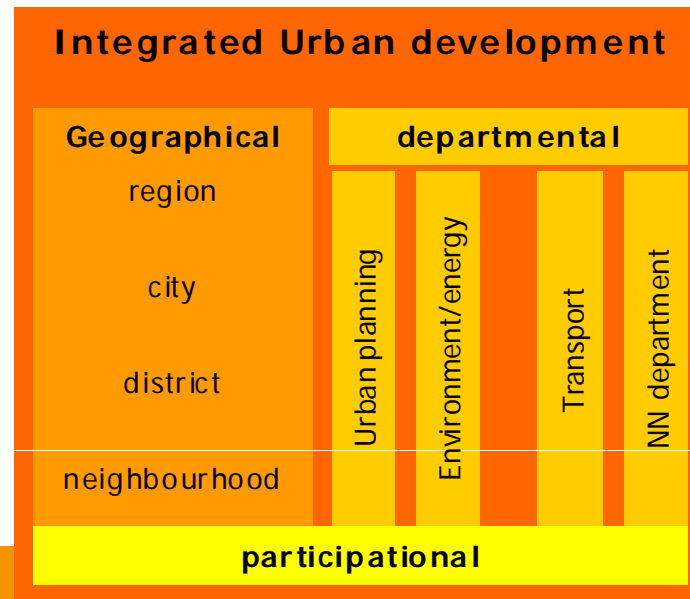
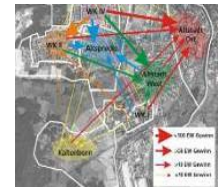
The Brandenburg Energy Strategy 2020

- **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**

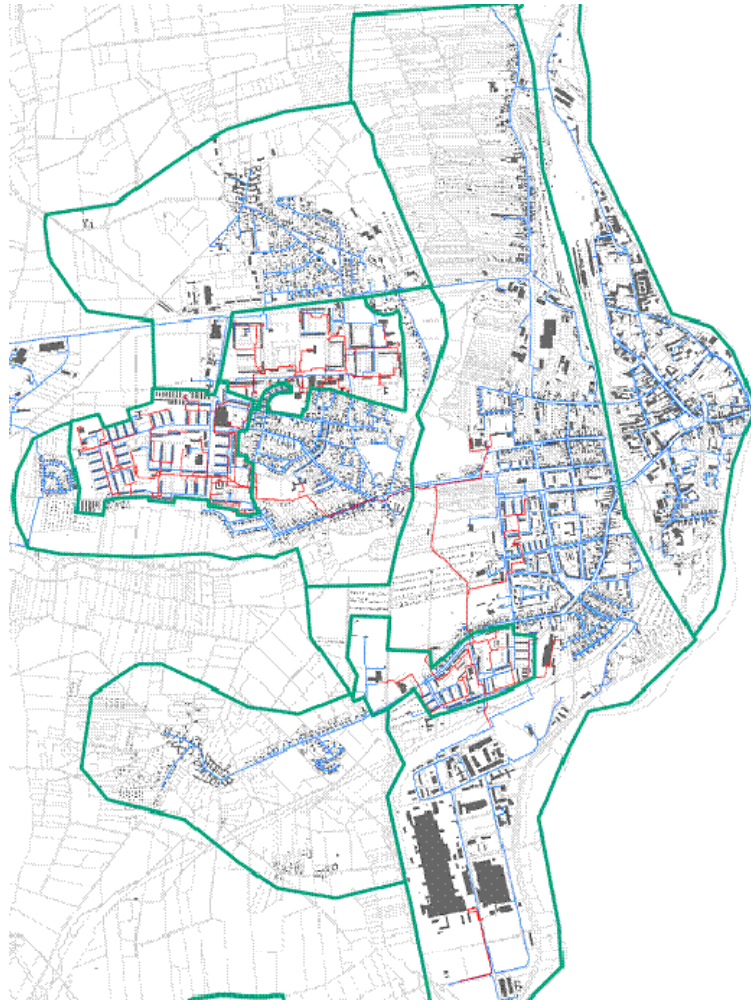


Urban Climate Concepts

- 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

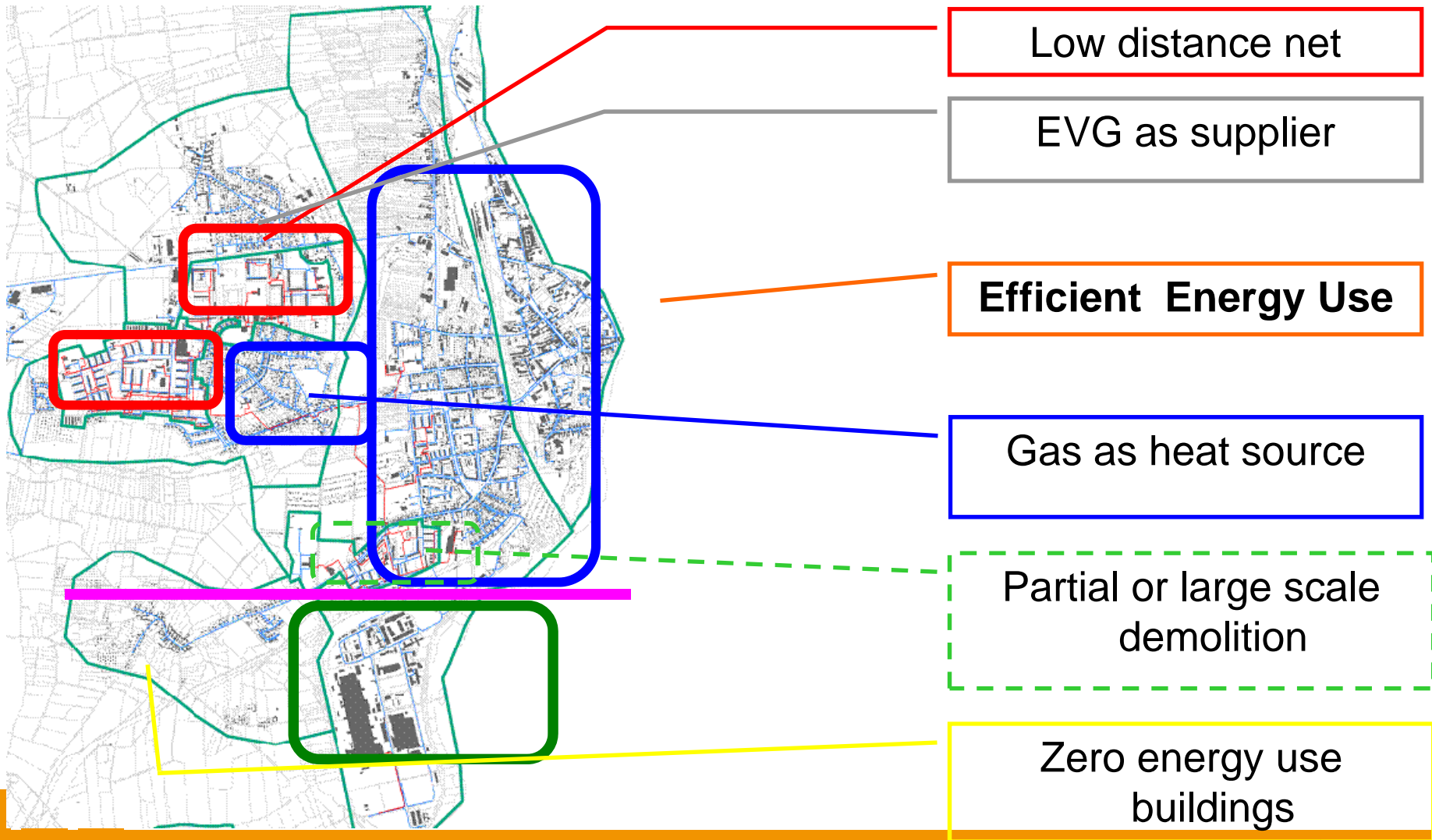
Energy efficiency

- 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

