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Integrated Approaches for Energy Efficient Upgrading of Residential Areas

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Integrated approaches for energy efficient development of existing residential areas



- Adaptation of buildings
 - Modernization of supply infrastructure
 - Foster the use of renewable energy resources
 - Revaluation of residential environment
- Participation of citizens

Urb.Energy Perspective



- Coordinated energetic renewal concepts and packages of measures on neighborhood level
- Look at overall energy balance of all measures in one area with their complex interdependencies
- Cooperation of different departments of the city administration, owners/tenants, urban planners, architects as well as energy supply and service companies
- steer a complex urban renewal process with different stakeholders

Urb.Energy is dedicated to

the comprehensive study of all energy aspects in actual neighbourhoods and the development of integrated concepts to upgrade districts with respect to improving the quality of life for residents and a more efficient use of energy.

15 partner organizations in 6 countries of the Baltic Sea Region:





Seven sample neighborhoods and the experience from one federal state



Key factors to implement the energy efficient refurbishment of residential neighbourhoods:

- **Organisational structures (esp. in areas with high number of individual owners)**
 - to initiate refurbishment processes
 - to apply for financial support
- **Sufficient professional and know-how capacities in city administration**
- **Affordability for owners and residents after the energetic upgrading**
 - appropriate balance between energy efficiency targets and investment costs
 - identify additional funding resources to reduce investment costs for owners
- **Acceptance for energetic upgrading measures rises when such measures are embedded in a general concept to upgrade the urban area**
- **Awareness raising activities and inclusion of all stakeholders**
- **Embed development concepts for neighbourhoods into overall urban development strategies for the future of housing**
- **Assure technological sustainability of future investments**

Thank you very much!



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