

Barriers, Success Factors and Policy Measures for the Decarbonisation of Neighbourhoods across Europe

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The CONCERTO Initiative





Initiator: EC Commission

Start 2005

22 projects

58 communities

23 countries



The CONCERTO Initiative





Focus on

- Renewable Energy Sources
- Energy Efficiency Measures
- Community Scale

Approach:

- Demand site & supply site measures
- New Buildings and Refurbishment

The total funding for the programme was 175 million EUR, covering for each project typically 5-10% of total costs



The CONCERTO Initiative





Targets:

CONCERTO demonstrates implemented examples of:

- innovative technologies that are ready to be applied
- the use of renewable energies sources for cities
- energy efficiency measures
- sustainable building and district development
- economic assessments
- affordable energy
- energy transparency for citizens
- → CONCERTO Projects were obliged to be at least 30% better than national building regulations at the time



CONCERTO premium



Accompanying Research Project

Mission:

- Providing a Database for the EU Commission
- Policy Recommendations
- Assessment of Results
- Support networking and knowledge transfer

Team:

- Steinbeis Europe
- KIT

Time Frame: 2010-2014



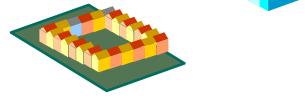
CONCERTO premium



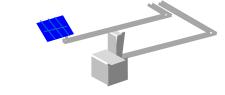
Things We Look at...







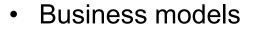
 At neighbourhood level: Spatial planning/ development control

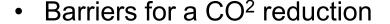


 Energy planning / energy supply strategies



 "People factors" - Social Isues, user engagement







Success factors



Data Collection on Policy Issues



Phase 1: Written responses to a catalogue of questions

- January 2012: Development of questions
- April 2012: Pretest
- August-September 2012: Data Collection

Phase 2: Guided Interviews (Phone & Face to Face)

- October 2012: Adjustment of the Questions
- November 2012- April 2013: interviews

Data basis:

- Written Responses 27
- 9 interviews



Data Collection on Policy Issues



Challenges:

- Diversity of cases
 - 23 country contexts
 - Different technologies and measures
 - Refurbishment and new construction projects
- 3 waves of projects → different state of projects
- Availability of site coordinators
- Other data collections (about technical matters)
- Financial crisis in 2008 leads to a shift in projects from new buildings to refurbishment projects



Barriers & Success Factors



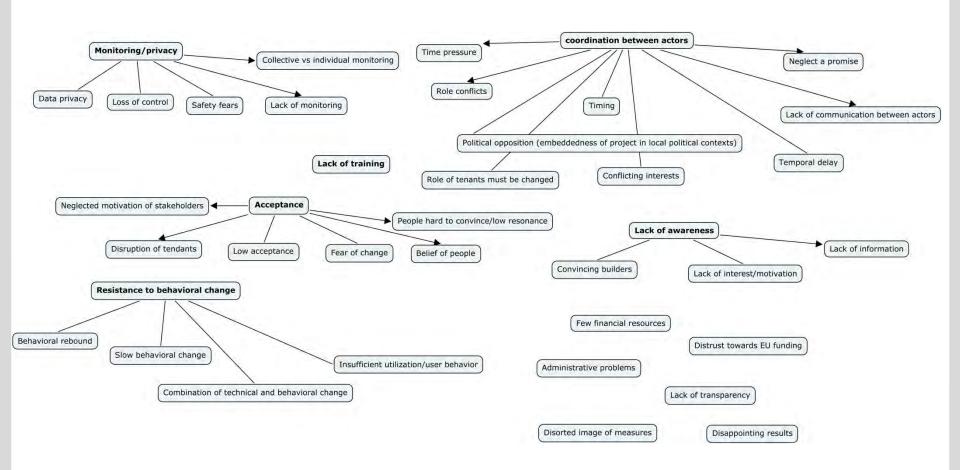
Clusters:

- Legal Issues
- Administrative Issues
- Technical Issues
- Economic Issues
- Social Issues



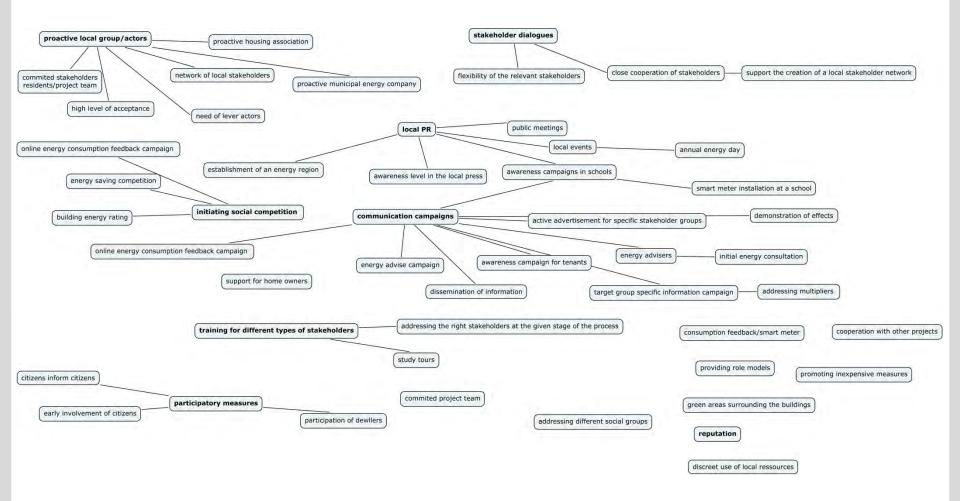
Social Barriers





Social Success Factors





Results



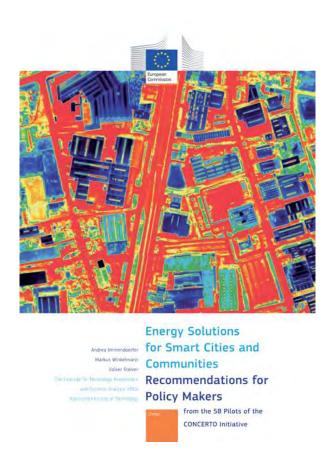
Final Clusters for Social Issues:

- The Need to increase Awareness and Acceptance
- The Need of Training on different Levels
- Participatory Measures
- Importance of Stakeholder Networks
- → High level of abstraction to cover the most important issues of CONCERTO
- → To understand single cases a huge amount of context information is needed to interpret project outcomes



Further Information





Available at

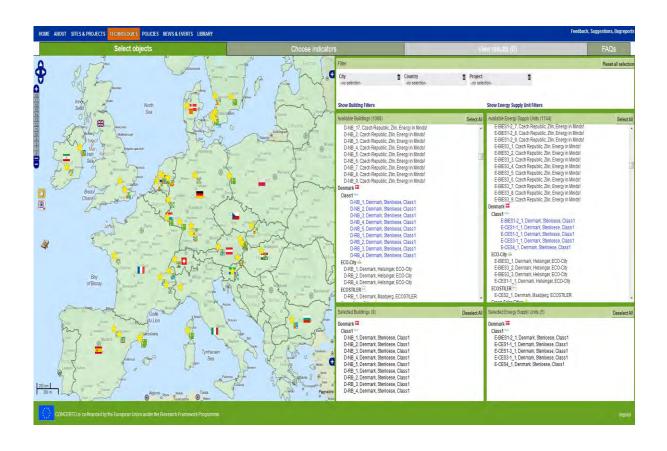
http://concerto.eu/concerto/policies/policy-recommendations.html

Printed versions: Just send me a mail: markus.winkelmann@kit.edu



Further Information





Available at

http://concerto.eu/concerto/db-access.html



Further Information



- → CONCERTO Homepage
 - CONCERTO Database
 - Project Overviews
 - Policy Recommendations
 - Publications

www.concerto.eu

→ CONCERTO movies

http://www.youtube.com/user/CONCERTOPREMIUM





Thank you!

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