

# CENTRAL EUROPE PROGRAMME 2007-2013



Joint IEE/INTERREG meeting  
18-19 May 2011, Brussels

**Transnational cooperation supporting  
cities and regions for improving energy  
efficiency and making use of  
renewables energies**

**Monika SCHÖNERKLEE-GRASSER  
Viera SLAVIKOVA  
JTS CENTRAL EUROPE PROGRAMME**

# Transnational cooperation supporting the topic of energy



## Transnational cooperation programmes in the funding period 2007-2013 supporting the topic “ENERGY” by

- Tackling climate change/global warming and energy challenges through transnational cooperation projects
- Supporting cities and regions to find solutions according to the territorial needs, exchange best practices and find common results
- Dealing with energy as cross-sectoral issue
- Bridging the gap between state of the art technologies for energy efficiency and their implementation into investments
- Implementing pilot investments and inducing/paving the way for future large scale investments through other funding sources
- Emphasis on contribution to EU 2020 targets and to transition to a Resource Efficient Europe

## Different types of approaches:

- Multi-level governance
- Strengthening planning competences of policy makers
- Transnational strategy development
- Action Plans
- Pilot installations, demonstration
- Data collection, mapping
- Decision support systems and tool kits
- Establishment of Knowledge Networks and Competence Centers
- Diffusion of skills, training
- Awareness raising and stakeholder involvement

**Transnational Programmes via projects contribute to full thematic range of Energy Efficiency (EE) and Renewable Energy Sources (RES)**



## Improving energy efficiency of buildings

- different climatic and geographic conditions/ territorial requirements - heating vs. cooling
- different types of buildings - cultural heritage buildings, schools, public buildings, residential buildings, low income housing, industrial utility buildings
- new buildings vs. refurbishment of existing buildings
- use of sustainable materials (regional/local materials) and technologies for reaching near-zero energy demand
- integration of various RES (e.g. photovoltaic, geothermal, biomass)
- evaluation tools and qualification systems
- integration within urban development concepts and sustainable energy action plans
- demonstration and pre-investment activities
- more effective use of (innovative) financial instruments



# TRANSNATIONAL PROJECTS AT PLACE



## EE themes covered by Transnational Programmes

Programme	Project/ Cluster of projects	Main themes
Atlantic Area	ENERMAT	Cooperation on Materials for energy (e.g. thermoelectrics)
Alpine space	ENERBUILD AlpHouse	Promotion of energy saving and producing buildings (ESAP), evaluation tools Energy efficient housing with focus on traditional alpine architecture and involved craft sectors, local materials
Baltic Sea Region	UrbEnergy Longlife  CO <sub>2</sub> OL Bricks	Energy efficient refurbishment of residential buildings, integrated urban development concepts Sustainable, energy efficient and resource saving residential buildings with consideration of unified procedures and adapted technologies Climate Change, Cultural Heritage & Energy Efficient Monuments
Central Europe	EnergyCity GOVERNEE EnSure	Visualising thermal losses of buildings through aerial and ground surveys Increasing energy efficiency in public buildings focusing on heating systems Integrated approaches for energy efficient urban development
MED	IRH-Med Teenergy School Elih-Med Marie	Innovative residential housing Improving energy performance of secondary schools, innovative materials and RES, passive cooling Energy efficiency for renovation in low income housing Mediterranean strategy in energy efficiency
Northern Periphery	NEES	Insulation of buildings using natural resources found in the NPP area

# TRANSNATIONAL PROJECTS AT PLACE



## EE themes covered by Transnational Programmes (cont.)

North Sea Region	Built with Care (BwC)	Mainstream energy efficient building design
North West Europe	CAP`EM Livinggreen  REGAIN GREENOV  SUSSTATION ENVIREO	Sustainable materials for the building sector Showcasing tools and technology for energy efficient and sustainable buildings with a focus on cultural heritage buildings and industrial/utility buildings Sustainable construction and renovation of industrial, office and commercial buildings Developing the economic sector of sustainable renovation by stimulating the innovation capacity of SMEs in this field. Sustainable and energy efficient renovation and construction of train stations Cluster of projects on sustainable and energy efficient buildings
SUDOE	E4R  EcoHabitat  EnerBuiLCA	To promote buildings restoration in the SUDOE Space from an energetic efficiency point of view involving all sector's actors thanks to a web platform with practical tools evaluating the energetic and economic efficiency of buildings. To promote long-lasting cooperation strategies to implement new sustainable construction methods and to create a common quality SUDOE label on sustainable construction. To promote sustainability on building construction and restoration through the development of a tool to identify the best solutions in terms of energy efficiency and environmentally-friendliness in buildings.
South East Europe	ENER SUPPLY	Introduction of energy management in public authorities with pilots in local public buildings. Strengthening of the institutional public capacity in planning, audit, financial and implementing tools in energy efficiency



## Renewable Energy Sources (RES)

- Exploitation of indigenous renewable energy sources and their sustainable mix with regard to climatic and geographical conditions
  - Economic, environmental and other societal dimension/ benefits of renewable energy
- **Variety and complementarity of projects on specific RES** as regards the importance/relevance of those RES for the respective Programme areas



# TRANSNATIONAL PROJECTS AT PLACE



## RES topics covered by Transnational Programmes

Programme	Biomass/ biogas	Solar/ photovoltaics	Wind	Marine	Hydropower	Geothermal	Hydrogen	Other (e.g. energy management, smart grids)
Atlantic Area				MAREN				
Alpine space					SHARE			AlpEnergy
Baltic Sea Region	Bioenergy Promotion							REMOWE (waste)
Central Europe	4BIOMASS COACH- BIOENERGY SEBE					TRANSENERGY		
MED	PROFORBIOMED							
Northern Periphery	RASLRES MicrE PELLETIME							SMALLEST OCTES
North Sea Region			Power cluster					
North West Europe	ENALGAE (algae) ARBOR	C-CHANGE SUSSTATION TICKET2KYOTO REGAIN				FUTURE CITIES		INNERS (waste) MUSIC FUTURECITIES
SUDOE	BIOMASUD EnerBioAlgae						HYRREG	APERSUE OPTIMAGRID
South East Europe					SEE HYDRO- POWER			



# Exemplary Projects within CENTRAL EUROPE



## ENERGYCITY - Reducing energy consumption and CO<sub>2</sub> emissions in cities across Central Europe

LP - Budapest University of Technology and Economics, HU  
10 Project Partners from AT, CZ, DE, SI, IT, HU

### Project objective:

- Reduce energy consumption and CO<sub>2</sub> emissions of towns and cities with particular emphasis on housing stocks and industrial areas

### Activities/results:

- Collection of digital data via aerial and ground surveys, including thermal images showing heat energy losses from buildings for 7 CE cities (Budapest, Prague, Munich, Bologna, Treviso, Ludwigsburg and Velenje)
- Multi-criteria spatial decision support system to visualize and compare the cost-effectiveness and potential of different renewable energy solutions
- Pilot training for carbon mapping, awareness raising campaigns & fuel reduction plans
- Recommendations targeting all levels of governance and policy guidance
- Contribute to Covenant of Mayors initiative & European Energy Efficiency Action Plan

# Exemplary Projects within CENTRAL EUROPE



## EnSURE - Energy Savings in Urban Quarters through Rehabilitation and New Ways of Energy Supply

LP: City of Ludwigsburg, DE  
13 Project Partners from DE, SI, IT, HU, PL

### Project objective:

- Implementation of integrated energy concepts for urban quarters to enhance energy performance by improving EE of building stock and realizing new energy supply concepts

### Activities/results:

- Concepts for energy efficient and renewable energy sources in urban development
- Development of energy audit and management instruments
- Transnational model for “Energy SMART building”
- Policy papers, guidelines and joint action plans - SEAP
- Stakeholder involvement in the urban regeneration process
- Preparation of energetic rehabilitation measures - pilot implementations in 4 cities
- Pilot Trainings for public authorities and decision makers



## GovernEE - Good Governance in Energy Efficiency

LP: Municipality of Hódmezővásárhely , HU

7 Project Partners from AT, CZ, DE, IT, HU

### Project objective:

- Improving the energy efficiency of heating public and communal buildings in partner cities with a special focus on historic buildings
- Strengthening the planning competences of policy makers by developing integrated urban development plans in which energy efficiency is one of the driving forces

### Activities/results:

- Energy efficiency analysis, guidelines, feasibility studies
- Development of a transnational cross-sectoral strategic toolkit
- Establishment of a Knowledge Network and Competence Center
- Policy recommendations & coaching focused on energy efficiency in historical buildings
- Pilot implementations and trainings



Further information is available on the  
Programme website  
[www.central2013.eu](http://www.central2013.eu)

Thank you for your attention!



**EUROPEAN UNION**  
EUROPEAN REGIONAL  
DEVELOPMENT FUND

