



## POWER Interregional Programme

September 2008 – March 2012

### INTERREG IVC

#### Specification

#### Theme 1

#### Energy Efficiency

Exploring ways of reducing the overall energy consumption of the partner regions through policy, regulation, promotion and incentives

<b>Sub theme 1.2</b>	Public Sector Strategies, Programmes and Initiatives to improve the energy efficiency and reduce the carbon footprint* of existing buildings, particularly the public housing stock.
<b>Aims</b>	Identification and development of replicable best practice initiatives and techniques; and the promotion and delivery of comprehensive area-based retrofitting programmes, to reduce the energy consumption and greenhouse gases attributable to existing buildings, especially the housing stock, in partner regions.
<b>Methodology</b>	<p>Projects can be developed at two levels: (i) initiatives &amp; techniques; or (ii) area-based programmes; or they can cover both. Initiatives and techniques could include::</p> <ul style="list-style-type: none"> <li>• methodologies for building energy audits;</li> <li>• developing a contract model for services for Energy Providers and business</li> <li>• approaches to public procurement which cover energy efficiency and renewable energies;</li> <li>• Promoting energy efficiency and energy efficient technologies in public buildings;</li> <li>• Promoting the role of the Energy Manager;</li> <li>• Application of systems for gathering information on consumption and different energy consumer systems.</li> <li>• Establishing simplified energy certification, energy labelling and rating procedures in public buildings</li> <li>• Training and building capacity in energy certification, labelling and rating procedures</li> </ul> <p>Developing area-based strategies and action plans will require:</p>

	<ul style="list-style-type: none"> <li>• baseline assessment of energy/carbon performance of existing buildings (eg., via infra-red survey);</li> <li>• review potential energy/carbon savings &amp; improvements;</li> <li>• engagement with residents &amp; key stakeholders;</li> <li>• review options/packages/finance/delivery mechanisms;</li> <li>• delivery targets and milestones;</li> <li>• clear delivery pathways, with targets and milestones;</li> <li>• identification of sources of advice and funding support;</li> <li>• schemes for accrediting technologies, equipment and installers.</li> </ul> <p>It will be important to identify and address barriers to large-scale retrofit and to explore innovative delivery mechanisms (eg partnering with power companies and other organisations involved in the process)</p>
<b>Projects size</b>	Recommended project size (ERDF + match funding combined): from €150 000 to €350,000
<b>Maximum duration of project</b>	First call: July 2009 – September 2011 Second call: March 2010 – September 2011
<b>Geographical coverage</b>	Minimum of 3 partner regions per project. Matching less experienced regions with more advanced regions.
<b>Suggested delivery organisations/ Partners</b>	Regional and local authorities, public bodies, universities, energy networks, energy agencies, business support agencies, technology networks, estate management associations, educational and awareness centres.
<b>Target groups and end users</b>	Public administrations, citizens, businesses.
<b>Equalities and Diversity</b>	Projects must demonstrate that the project is accessible to all; ensuring people are not excluded because of their gender, race, age, religion/belief, disability or sexual orientation.
<b>Avoiding duplication</b>	Projects must demonstrate how the support to beneficiaries will enhance the existing publicly funded provision, thus avoiding duplication.
<b>Legacy</b>	Projects must describe their exit strategy and endeavour to provide a sustainable legacy in the regions from this activity once the current funding ceases.
<b>Potential Outputs and Outcomes to be achieved:</b>	
<ul style="list-style-type: none"> <li>• Establish energy saving and efficiency standards in public buildings and existing public housing, and reduce their carbon footprint;</li> <li>• Promote development of innovative funding and delivery mechanisms, including Energy Services Companies (ESCO - a professional business providing a broad range of comprehensive energy solutions including designs and implementation of energy savings projects, energy conservation, energy supply infrastructure outsourcing, power generation and energy supply, and risk management.)</li> <li>• Promote innovative energy efficiency and saving technologies and renewable energy applications.</li> <li>• Record real energy consumption data in public buildings, as well as operational</li> </ul>	

data;

- Identification of barriers to delivery (and how they might be overcome), requirements for training and information provision and any changes to policy required to achieve/improve delivery.

#### **Indicators**

- Potential greenhouse gas savings (especially CO<sub>2</sub>)
- Energy efficiency savings – actual /potential
- Energy consumption/ data on energy performance of buildings
- Renewable energy installed capacity
- Financial saving ( in euros)

#### **Potential Results to work towards:**

- Reduce energy consumption in public buildings and housing.
- Improve energy management in public buildings.
- Establish a methodology for energy audits in public buildings.
- Establish energy indicators for public buildings. (benchmarking)
- Guides on energy efficiency in public buildings.

\*

Carbon footprint = CO<sub>2</sub> produced from lifetime operation/use + CO<sub>2</sub> ‘embodied’ in the product (ie, incurred during manufacture/transport/construction) + CO<sub>2</sub> incurred/emitted in end of life treatment/disposal