



**ICT Policy Support Programme**  
**1.2 ICT for energy efficiency in public buildings**  
**Call 5 Information Day**  
**Brussels, 28<sup>th</sup> of February 2011**

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*ICT for Sustainable Growth*

*European Commission*

*Information Society and Media Directorate-General*



# ICT for a low carbon economy

## 1.2 ICT for energy efficiency in public buildings

- **Objective: to improve, through ICT-based solutions, energy efficiency in European public buildings (e.g. schools, hospitals, administrative offices)**
- **Funding instrument: Pilot B**
- **Budget: 7 M€**
- **Several actions to be funded up to maximum budget allocated**



# ICT for a low carbon economy

## 1.2 ICT for energy efficiency in public buildings

### Pilot actions should aim to:

- **demonstrate that advanced ICT components and systems (e.g. smart metering, smart lighting, power electronics, energy micro-generation, etc.) can contribute directly to reducing energy losses and consumption in public buildings; energy savings in peak and annual consumption of more than 15% should be presented;**
- **validate the effectiveness of ICT-based solutions, serve as showcases, facilitate their wider uptake and replication.**



# ICT for a low carbon economy

## 1.2 ICT for energy efficiency in public buildings

### **Pilots should:**

- **Use existing ICT (off-the-shelves or mature research results)**
- **Involve significant number of buildings in each pilot to ensure the proposed solution is relevant for a European wide market**

### **In addition:**

- **Involve public authorities and provide evidence of timely availability of the energy infrastructures required for the successful implementation of pilots**



# ICT for a low carbon economy

## 1.2 ICT for energy efficiency in public buildings

### **In addition (cont.):**

- Demand-driven approach, ensuring acceptance and uptake, involving end-users throughout the project duration
- Consortium must include ICT providers, distribution network operators, building managers
- Validation must be carried out for at least 1 year in real life conditions and result in a consolidated set of best practices
- Socio-economic evidence for ICT investments should be provided, including users acceptance and recovery of investment



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### **In addition (cont.):**

- Address interoperability issues, comply with relevant standards, take into account best practices and relevant standardisation effort
- Provide appropriate ethical & privacy safeguards
- Share information and cooperation with other projects, in particular to define and adopt a common methodology to measure energy gains
- Address experts, public authorities and relevant stakeholders, as well as large public, through dissemination and communication activities
- Specific and realistic quantified indicators to monitor progress should be included



# ICT for a low carbon economy

## 1.2 ICT for energy efficiency in public buildings

### **Expected impact:**

- Accelerate market acceptance and wide deployment of innovative ICT systems in Europe, leading to substantial energy savings and lower total lifetime costs for users
- Empower building managers and end-users to play a central role in increasing energy efficiency and reducing CO2 emissions
- Contribute to meeting Europe's energy efficiency targets for 2020



# Next steps

- **Read carefully the guidelines and the Work Programme 2011**
- **Find partners, prepare the proposal**
- **Call or e-mail us for clarifications or additional information**
- **Check also previously funded projects (next slides)**





## Projects funded under call 2008 - ICT for energy efficiency in public buildings and spaces, including lighting

- **BEST Energy:** Built Environment Sustainability and Technology in Energy  
Website: [www.bestenergyproject.eu](http://www.bestenergyproject.eu)
- **HosPilot:** Intelligent Energy Efficiency Control in Hospitals  
Website: [www.hospilot.eu](http://www.hospilot.eu)
- **SAVE ENERGY**  
Website: [www.ict4saveenergy.eu/](http://www.ict4saveenergy.eu/)
- **LITES:** Intelligent street lighting for energy saving  
Website: [www.lites-project.eu](http://www.lites-project.eu)



# CIP - Pilots Public Buildings



## Social housing Projects

### Call 2009: ICT for energy efficiency in social housing

- **3e-Houses:** Energy Efficient e-Houses  
Website: [www.3ehouses.eu/](http://www.3ehouses.eu/)
- **E3SoHo:** ICT services for Energy Efficiency in European Social Housing  
Website: [www.e3soho.eu/](http://www.e3soho.eu/)
- **eSESH:** Saving Energy in Social Housing with ICT  
Website: [www.esesh.eu](http://www.esesh.eu)

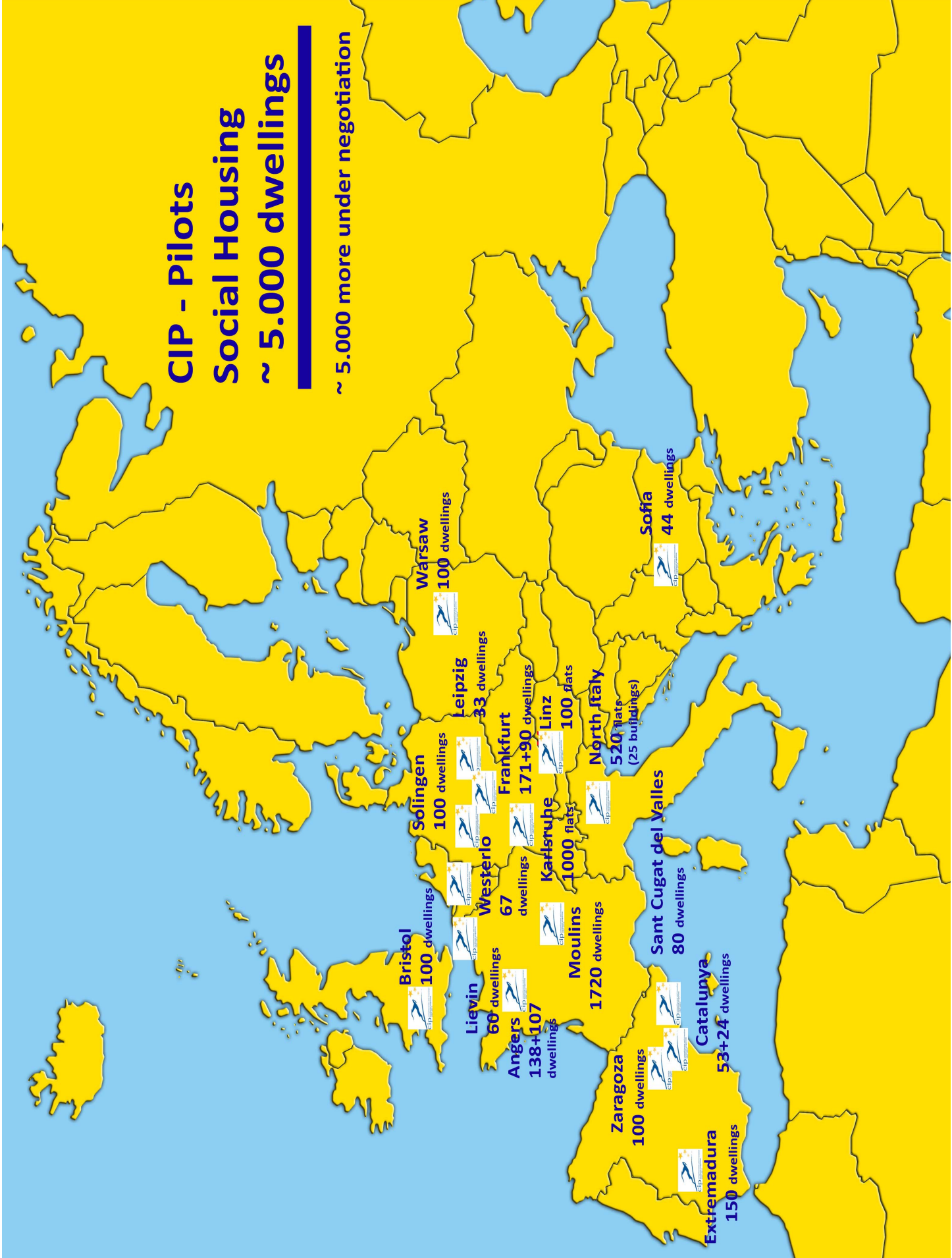
### Call 2010: ICT for energy and water efficiency in social housing

- Grant Agreements signed or to be finalised



# CIP - Pilots Social Housing ~ 5.000 dwellings

~ 5.000 more under negotiation



# Thank you for your attention!

**INFSO - Unit H4 “*ICT for Sustainable Growth*”**

**<http://ec.europa.eu/ictforsg>**

**[http://cordis.europa.eu/fp7/ict/sustainable-growth/energy\\_en.html#smartbuildings](http://cordis.europa.eu/fp7/ict/sustainable-growth/energy_en.html#smartbuildings)**

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