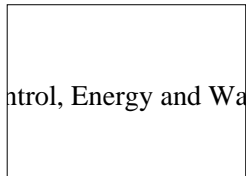


## Plug-in to the POWER HOUSE nearly-Zero Energy Challenge!

- Warm/Mediterranean climates
- Cold/Continental climates
- Divided/Cooperative ownership
- Financing EE & RES
- Policy Support
- ICT applications
- Building Stock & Urban dimension
- Professionals Coordination
- Raising Awareness & Users' Behaviour

## ICE-WISH - Demonstrating through Intelligent Control, Energy and Water wastage reductions In European Social Housing



**Project timeline:** April 2011 - March 2014

**Programme:** ICT Policy Support Programme

**Website:** [www.ice-wish.eu](http://www.ice-wish.eu)

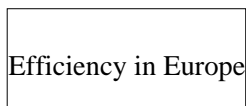
**Description:** ICE-WISH project aimed to design, integrate and pilot an innovative solution for social housing, using mature and interactive ICT, to enable sustained reductions of energy and water consumption of at least 15% below the current practice, without compromising living conditions, across 300 social dwellings in ten European countries. ICE-WISH provided a 'user-friendly' and widely accessible ICT-based service to engage individual households as active players in developing water and energy conservation practices as well as by providing effective and real-time ICT monitoring and control of energy and water usage and environmental conditions and user behaviour. Furthermore, by providing real-life information to key stakeholders, the project encouraged the implementation of environmental-energy-related policy actions, incentives or/and investments' decisions at public and private level.

**Housing Federation(s)/Organisation(s) involved:** Bournemouth County Council (UK) - Boligforeningen Ringgården (Denmark) - Consorzio Nazionale CasaQualità (Italy) - City of Warsaw (Poland) - Joseph-Stiftung (Germany) - Oikistikes Anaptykseis SA (Greece) - OPAC38 (France) - Union of Homeowners Associations (Bulgaria) - Viviendas Municipales de Bilbao (Spain) - Vlaamse Maatschappij voor Sociaal Wonen (Belgium)

### Resources and Case studies produced in the framework of the ICE-WISH project:

- No key outputs available at this stage

## E3SoHo - Energy Efficiency in European Social Housing



**Project timeline:** February 2010 - September 2013

**Programme:** ICT Policy Support Programme

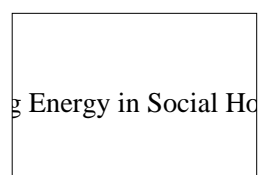
**Description:** E3SoHo project aimed at implementing and testing an integrated and replicable ICT-based solution able to bring a significant reduction of 25% of energy consumption in European social housing by providing tenants with feedback on actual consumption and by offering them personalised advice. Furthermore, the project monitored and transmitted consumption data to Energy Services Companies which could enable real time energy audits in order to perform more accurate refurbishment decisions as well as maintenance operations.

**Housing Federation(s)/Organisation(s) involved:** CECODHAS Housing Europe (EU) - ARTE Genova (Italy) - City of Warsaw (Poland) - Zaragoza Vivienda (Spain)

**Resources and Case studies produced in the framework of the E3SoHo project:**

- Best Technical and Cost-effective ICT-based Energy Efficiency solutions
- Methodology for the Implementation of the identified ICT-based Energy Efficiency solutions
- User's acceptance Report on ICT-based Energy Efficiency solutions
- Final Report

## **eSESH - Saving Energy in Social Housing with ICT**



**Project timeline:** March 2010 - February 2013

**Programme:** ICT Policy Support Programme

**Website:** [www.esesh.eu](http://www.esesh.eu)

**Description:** eSESH project aimed at designing, developing and testing new solutions to reduce energy consumption in European social housing by providing usable ICT-based services. Through Energy Awareness Services (EAS), the project provided direct, timely and comprehensible feedback on energy consumption, enabling tenants to adapt their energy-behaviour. In addition, a comprehensive set of Energy Management Services (EMS) helped housing providers reducing consumption peaks and optimise the timing of domestic consumption.

**Housing Federation(s)/Organisation(s) involved:** Coop Casa SC (Italy) - FINABITA-Legacoop Abitanti (Italy) - Gemeinnützige Wohnungsgesellschaft der Stadt Linz GmbH (Germany) - Le Toit Angevin (France) - Moulins Habitat (France) - Piacenza74 (Italy) - Union Sociale pour l'Habitat (France) - Villaggio dell'Amicizia (Italy) - Volkswohnung GmbH (Germany) - Zonnige Kempen (Belgium)

**Resources and Case studies produced in the framework of the eSESH project:**

- Report on the current status of the Pilot Projects developed

## **BECA - Balanced European Conservation Approach**



**Project timeline:** January 2011 - December 2013

**Programme:** ICT Policy Support Programme

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**Website:** [www.beca-project.eu](http://www.beca-project.eu)

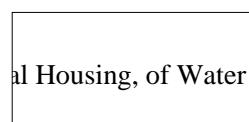
**Description:** BECA project built on existing services providing feedback on energy consumption to social housing tenants, by developing, providing and piloting advanced ICT-based Resource Use Awareness Services (RUAS) and Resource Management Services (RMS). Through the awareness raising services provided, tenants were empowered to control and reduce their energy consumption by using internet portals, in-home displays, alerts and SMS.

**Housing Federation(s)/Organisation(s) involved:** ATC Torino (Italy) - Bauverein AG Darmstadt (Germany) - DELPHIS (France) - Foment de la Rehabilitació Urbana de Manresa, S.A. (Spain) - MRA Mestská Realitní Agentura SRO (Czech Republic) - ÖrebroBostäder AB (Sweden)

**Resources and Case studies produced in the framework of the BECA project:**

- Videoclips of Pilot Projects to Raise Awareness among Tenants via ICT devices

## **SHOWE-IT - Real-life trial in Social Housing, of Water and Energy efficiency ICT services**



**Project timeline:** January 2011 - December 2013

**Programme:** ICT Policy Support Programme

**Website:** [www.showe-it.eu](http://www.showe-it.eu)

**Description:** SHOWE-IT project aimed to demonstrate, under real conditions, how advanced ICT components and systems can enable services that reduce energy and water consumption in Social Housing across Europe while improving tenants' quality of life. To achieve this, the project took a demand-driven approach, prioritizing as starting point an affordable investment (max. investment €3.000 per dwelling), and putting in place a 'menu' of cost-effective, integrated and easy replicable ICT-based services.

**Housing Federation(s)/Organisation(s) involved:** Botkyrkabyggen (Sweden) - Cité Nouvelle (France) - Rochdale Boroughwide Housing (UK)

**Resources and Case studies produced in the framework of the SHOWE-IT project:**

- Preliminary Conclusions and Possibilities for Replication

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