

# ICT2010



## EeB-ICT-2011-6.4 ICT for energy-efficient buildings and spaces of public use

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# EeB-ICT-2016.4. ICT for Energy Efficient Buildings and spaces of Public Use

## Target Outcome a)

Energy Management Systems for buildings integrating in a single system different energy-efficient sub-systems such as solid state lighting, energy harvesting facades or electrical vehicles, deployed in spaces of public use.

Examples of Buildings and spaces of public use are: a motorway service area, a football stadium with its surrounding parking space a holidays resort or a shopping mall.

The system shall cover in an integrated way the *inside* of buildings as well as the *exterior* and *surrounding space*.

# EeB-ICT-20116.4. ICT for Energy Efficient Buildings and spaces of Public Use

## Target Outcome a)

In addition to systems integration, proposals should include a *substantial validation phase* focussing on the operation of the building(s) and surrounding space in real user conditions

Record evidence of energy saving and total costs of operation, and scalability to extract lessons for further replication

Interoperability with other ICT-based sub-systems which may be in place to ensure security, safety and comfort will be considered an asset

*The focus is on integration and validation not in research*

# EeB-ICT-20116.4. ICT for Energy Efficient Buildings and spaces of Public Use

## Target Outcome a)

- Consortia must be compact - Each partner makes a substantial contribution
- Consortia must include partners with expertise in ICT and partners with expertise in building and construction
- The final users must be involved in the validation phase but not necessarily as consortium partners

# EeB-ICT-20116.4. ICT for Energy Efficient Buildings and spaces of Public Use

## Target Outcome b)

Extend the notion of energy-positive performance from homes and buildings to large areas including neighbourhoods and extended urban/rural communities

- Binging together ICT, construction, energy, local and regional authorities
- Analyse the new relationship between energy production and consumption extract best practices
- Identify Standardisation needs
- Support the establishment of European-scale actions spanning from research to deployment

# EeB-ICT-20116.4. ICT for Energy Efficient Buildings and spaces of Public

## - Expected impact -

- Contribution to the opening of a market for novel ICT-based building operation and maintenance systems integrating sub-systems from different vendors.
- Quantifiable and significant reduction of energy consumption and CO2 emissions achieved through ICT
- Establishment of a collaboration framework between the ICT and buildings and construction and energy sectors
- Identification of areas where standardisation work is required

# EeB-ICT-20116.4. ICT for Energy Efficient Buildings and spaces of Public

## - Funding -

### Funding schemes

- a) Collaborative Projects
- b) CSA

### Indicative budget distribution

- CP: EUR 19 million
- CSA: EUR 1 million

**Call: FP7-2011-MNP-ENV-ENERGY-ICT-EeB**

*Thank you!*

*Questions?*