

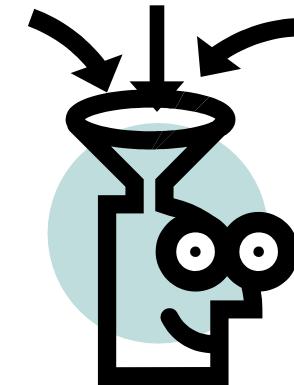
Viden uden grænser, EU



- National kontaktpunkt for E2B "Energy efficient buildings"
- Evaluator i FP5 and FP7
- Evaluator for Eurostars
- Medlem af SME reference gruppe
- Koordinator for FP4 and FP7 projekter
- Deltagelse i projekter under FP4, FP5 and FP6
- Aktiv i "European construction Technology Platform"



Hvorfor EU?



Energy-efficient Buildings (E2B) PPP

Uddeler 1 BILLION euro 2010-2013
til at mindske energiforbrug og CO₂ emissioner
fra nye og eksisterende bygninger.



Hvem er E2B?

- ❖ > 100 medlemmer fra hele EU
- ❖ Alle kan blive medlemmer
- ❖ Ledes af en styregruppe med projektleder fra D Appolonia og et sekretariat fra CSTB
- ❖ Innobyg er den danske netværksgruppe til E2B
- ❖ Mette Glavind er dansk kontaktpunkt til E2B



E2B laver strategi og roadmap
og er med til at bestemme hvilke områder
de 1 billion euro skal bruges til?



Strategiske mål

Bygningssektoren er den største energiforbruger i EU (ca. 40 %) og hovedbidragsyder til drivhusgasemissioner (36 % af EU's totale Co2 emissioner).

- ❖ - Øge energieffektiviteten ved at reducere 20 % af totalt energi forbrug (ift 2005)
- ❖ 12% forøgelse af fornyelig energi (ift 2005)
- ❖ 14 % reduktion af drivhusgasser (ift 2005)



REFURBISHMENT TO TRANSFORM EXISTING BUILDINGS INTO ENERGY-EFFICIENT BUILDINGS)

Systems and Equipment for energy use for existing buildings

Envelope (for existing buildings)

Solutions for Cultural Heritage (including diagnostics)

Systemic approach for existing buildings

Relationship between User and Energy
Geoclustering
Value Chain and SMEs focus
Knowledge transfer
Business models, organisational and financial models (including ESCOs)

HORIZONTAL TECHNOLOGICAL ASPECTS

CROSS-CUTTING CHALLENGES

HORIZONTAL ORGANISATIONAL ASPECTS

Systems and Equipment for energy use (horizontal)

Storage of energy

Quality indoor environment

Design – Integration of new solutions

Envelope and components

Industrialisation and mass customization

Automation and control

Life cycle analysis (LCA)

Energy Management Systems

Labelling and standardization

Materials: embodied energy and multi-functionality

Diagnosis and predictive maintenance (continuous commissioning)

Systems and Equipment for energy production (horizontal)

Diagnosis

NEUTRAL/ ENERGY POSITIVE NEW BUILDINGS

Systems and equipment for energy use for new buildings

Systemic approach for new buildings

ENERGY EFFICIENT DISTRICT/ COMMUNITIES

Interaction (integration) between buildings, grid, heat network ...

Systems and Equipment for energy production (district)

Storage of energy (district): thermal, electrical or other

District and urban design

Retrofitting (district)

Systems and Equipment for energy use (district)

Roadmap

Innovationsnetværket for
energieffektivt og bæredygtigt byggeri



	2011	2012	2013
FoU	<ul style="list-style-type: none"> ▪ Materialer ▪ Opvarmning ▪ Retrofitting/klimaskærm ▪ ICT ▪ Indeklima 	<ul style="list-style-type: none"> ▪ Integration ▪ Energibrug og opbevaring ▪ ICT ▪ Energiledelse 	<ul style="list-style-type: none"> ▪ Installationer ▪ Retrofitting område ▪ Klimaskærm, multifunktionelle materialer ▪ Design ▪ Højeffektiv retrofit ▪ Automation ▪ Klmaskærm kulturarv ▪ Mærkning og standardisering
Demonstration	<ul style="list-style-type: none"> ▪ Klimaskærm og installationer 	<ul style="list-style-type: none"> ▪ 0-energi områder ▪ Klimaskærm, installationer og systemer 	<ul style="list-style-type: none"> ▪ Retrofit område ▪ Interaktion ▪ Stor skala forsøg
Koordinering /supplerende aktioner	<ul style="list-style-type: none"> ▪ Geo-clusterig ▪ Brugeradfærd ▪ Mærkning/LCA 	<ul style="list-style-type: none"> ▪ Mærkning, standardisering ▪ Teknologioverførsel bl.a. SME 	

Call annonceret 20 July med deadline 2/12-2010, 85 mil. euro

- ❖ Materials for new energy efficient building components with reduced embodied energy
- ❖ New efficient solutions for energy generation, storage and use related to space heating and domestic hot water in existing buildings
- ❖ Energy saving technologies for building envelope retrofitting
- ❖ Geo-clusters approach to support European energy-efficiency goals



Andre EU programmer, Research for SMEs eller SMEs organisationer

- ❖ Frit emne
- ❖ Mindre konsortier
- ❖ Færre parter
- ❖ Mindre bureaukrati
- ❖ Nemmere ansøgningsprocedure



Information

- ❖ www.innobyg.dk
- ❖ <http://www.e2b-ei.eu/default.php>
- ❖ <http://www.fi.dk/internationalt/eus7rammeprogramforforskning>
- ❖ <http://www.fi.dk/internationalt/europaeisk-samarbejde/eurostars>
- ❖ http://cordis.europa.eu/fp7/cooperation/home_en.html
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