7th FRAMEWORK PROGRAMME

Dr Andrzej Siemaszko

National Contact Point for Research Programmes of EU
Institute of Fundamental Technological Research
Polish Academy of Sciences
F7 participation statistics - number of participants

Source: NCP work based on E-CORDA database (release 8.0)
NMP participation statistics
-number of participants

Source: NCP work based on E-CORDA database (release 8.0)

www.kpk.gov.pl
### Poland’s participation in FP7 - thematic priorities

<table>
<thead>
<tr>
<th>Programme</th>
<th>Priority/ area</th>
<th>Number of all funded teams</th>
<th>Number of submitted teams (eligible proposals)</th>
<th>Success rate= number of funded teams/ number of submitted teams</th>
<th>Number of funded coordinators</th>
<th>Number of submitted coordinators</th>
<th>Success rate = number of funded coordinators / number of submitted coordinators</th>
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<td><strong>1064</strong></td>
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Source: NCP work based on E-CORDA database (release 8.0)
NMP - Polish beneficiaries

Source: NCP work based on E-CORDA database (release 8.0)
NMP - Polish coordinators

ENSEMBLE INSTYTUT TECHNOLOGII MATERIAŁOW ELEKTRONICZNYCH
SUPERSONIC AKADEMIA GÓRNICZO-HUTNICZA IM. STANISŁAWA STASZICA W KRAKOWIE
TRANS-IND MOSTOSTAL WARSZAWA SA
I-PROTECT CENTRALNY INSTYTUT OCHRONY PRACY - PAŃSTWOWY INSTYTUT BADAWCZY
FC-DISTRICT MOSTOSTAL WARSZAWA SA
NANOMINING INSTYTUT OBRÓBKI PLASTYCZNEJ
M-FUTURE2011 POLITECHNIKA WROCŁAWSKA

12 277 477 €
4 215 921 €

33% success rate

Funding requested by submitted coordinators
Funding granted to selected coordinators

Source: NCP work based on E-CORDA database (release 8.0)
FP7-2010-NMP-ENV-ENERGY-ICT-EeB

Benefits in 2010 call:

NMP:
- NANOPCM-
- FC-DISTRICT-
- COOL-COVERINGS-
- AEROCOINS-
- E-HUB-

ICT:
- TIBUCON -
- ENRIMA-
- ICT 4 E2B FORUM-

Energy:
- E2REBUILD -

Source: NCP work based on E-CORDA database (release 8.0)
RoK Programme, 2008:

- REG CON: Support action for innovation driven clusters in construction. Regional approaches, multi-stakeholder engagement and cross regional cooperation
- Coordination: ASM – Centrum Badań i Analiz Rynku Sp. z o.o. (Polska)
European energy-efficient buildings:

This PPP initiative promotes green technologies and aims at the development of energy-efficient systems and materials in new and renovated buildings with a view to reducing radically their energy consumption and CO2 emissions.

These activities are in tune with the Strategic Energy Technology (SET) Plan.
### CROSS-CUTTING CHALLENGES

**HORIZONTAL ORGANIZATIONAL ASPECTS**
- Systems and Equipment for energy use (horizontal)
- Storage of energy
- Quality Indoor environment
- Design – Integration of new solutions
- Envelope and components
- Industrialization 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)

**HORIZONTAL TECHNOLOGICAL ASPECTS**
- Relationship between User and Energy
- Geoclustering
- Value Chain and SMEs focus
- Knowledge transfer
- Business models, organizational and financial models (including ESCOs)

### 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

### ENERGY EFFICIENT DISTRICT/COMMUNITIES

- Interaction (integration) between buildings, grid, heat network...
- Systems and Equipment for energy production (district)
- District and urban design
- Systems and Equipment for energy use (district)
- Storage of energy (district): thermal, electrical or other
- Retrofitting (district)
EeB: Recommendations for 2012-2013 and beyond

- Make sure that the PPP links to other relevant initiatives such as the future Smart Cities European Innovation Partnership
- Maintain the current multidisciplinary approach with multiple EC services effectively working together
- Launch activities aimed at addressing issues around standards and regulation
- Developing the roadmap further, breaking down topics, mapping barriers and implementation methods on a timeline
- Close collaboration between projects will ensure there is continuity and avoid the risk of losing IP and relationships when consortia break up.
- Consider bringing in end users to projects towards the middle or end of the project to take into consideration the different timescales for different stakeholders.
- Connect the PPP with DG Regio to access Structural Funds, as 4% of these funds can be spent on retrofitting.
- Address issues on habits & culture through geocluster focused activity.
The 'Energy-efficient Buildings' initiative involves financial support from the NMP, Energy, ICT and Environment Themes;

The indicative budget for 'Energy-efficient Buildings (EeB)' is EUR 140 million in 2012, of which

• EUR 70 million is from the NMP Theme,
• EUR 30 million from the ICT Theme,
• EUR 35 million from the Energy Theme and
• EUR 5 million from the Environment Theme.
TOPICS COVERED BY THE NMP THEME
EeB.NMP.2012-

-1 Interaction and integration between buildings, grids, heating and cooling networks, and energy storage and energy generation systems

-2 Systemic Approach for retrofitting existing buildings, including envelope upgrading, high performance lighting systems, energy-efficient HVAC systems and renewable energy generation systems

-3 Development and validation of new 'processes and business models' for the next generation of performance based energy-efficient buildings integrating new services

-4 Nanotechnology based approaches to increase the performance of HVAC systems

-5 Novel materials for smart windows conceived as affordable multifunctional systems offering enhanced energy control

-6 Methodologies for Knowledge transfer within the value chain and particularly to SMEs
Topics covered by the other themes

**Environment (including Climate Change)**
EeB.ENV.2012.6.6-2

Concepts and solutions for improving energy and resource efficiency of historic buildings, in particular at urban district scale

**Energy**
EeB.Energy.2012.8.8.3

Demonstration of nearly Zero Energy Building Renovation for cities and districts

**ICT – Information and Communication Technologies**
EeB-ICT-2011.6.5

ICT for energy-positive neighbourhoods