

Eracobuild Research Projects

Warszawa, 5. Oct. 2011

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1. Scope of Presentation

Activities of Eracobuild

- _ Exchange of national strategic goals and methods
- _ Clustering
- _ Shadowing
- _ Joint calls
 - _ a) for tender
 - _ b) for proposal
- _ Common pot procedure



2. Joint Calls Erabuild and Eracobuild

Calls of ERABUILD

Title		Result	Involvement
1. Managing information in construction	ERABUILD call for proposal 5.2005	2 projects selected	AT, FI, FR, SE
2. RFID Radio Frequency Identification	ERABUILD call for tender 12.2005	selected DTI (DK)	FI, DK, SE, UK
3. Transformation through industrialisation	ERABUILD call for proposal 4.2006	7 projects selected	AT, DK, FI, FR, SE
4. BIM IFC	ERABUILD call for tender 4.2007	selected Sintef (NO)	DE, FI, NL, NO, SE
5. Performance and benchmarking in real-estate and construction	ERABUILD call for proposal 3.2007	3 projects selected	DE, FI, NlCe, SE
6. Sustainable Renovation	ERABUILD call for tender 5.2007	selected TU-Delft (NL)	AT, FI, FR, DE, NL, SE, CH, UK

Calls of ERACOBUILD

Title	Result	Involvement	
7. VDP first call	ERACOBUILD call for proposal 6. 2009	3 out of 8 projects were funded	CY, DK, FI, FR, NO and SE
8. VDP attempt for 2nd call	ERACOBUILD call for proposal 6. 2009	stopped	BE, FI, Romania, SE
9. Sustainable Renovation (SUSREN)	ERACOBUILD 2. 2010	8 Projects funded	AT, DK, SE, BE, FR, FI, CH, NICE
10. Susren 2011	ERACOBUILD 2. 2011	7 Projects under evaluation	AT, SE, UK, GR, CY, BE

3. Launched and funded Projects

Launched and funded Projects 1/6

Title	Involvement	Status	Project Manager
School vent cool (H10024)	AT, BE, CH	SUSREN call for proposal evaluated 4.2010 Oslo Jun. 2010...Nov. 2012	Armin Knotzer (AT)
INSPIRE (H10018)	DK, SE, RO, FI, CH	SUSREN call for proposal evaluated 4.2010 Oslo Aug. 2010...Sep. 2012	Martin Jakob (CH)
Innovations for One Stop Shop in Sustainable renovation (H10022)	SE, BE,	SUSREN call for proposal evaluated 4.2010 Oslo	Irena Kondratenko (BE)
RE_CO_RE (H10021)	AT, SE, CH	SUSREN call for proposal evaluated 4.2010 Oslo Jul. 2010...Jun. 2012	Martin Behnisch (CH)
Sustainable construction products (H10020)	DK, SE, NICE, FI	SUSREN call for proposal evaluated 4.2010 Oslo Sep. 2010...Dez.2012	Margareta Wahlstrom (FI)

Launched and funded Projects 2/6

Title	Involvement	Status	Project Manager
Sustainable Renovation of Historical Buildings (H10025)	AT, BE, CH	SUSREN call for proposal evaluated 4.2010 Oslo	
New Application (H10023)	AT, DK, BE, NICE, FI	Sep. 2010...Aug. 2013	Guangyu Cao
State of the art practices (H10019)	DK, NICE, FI	Aug. 2010...Jul. 2013	Karl Georg Hoyer (NO)
Added value and customer benefit in an industrial building	SE, DK	ERABUILD VDP Call for proposal evaluated Oct 2006	Anders Ekholm (SE - Tyréns)
Architectural quality and user requirements of mass customisation of industrial building systems	SE, DK	ERABUILD VDP Call for proposal evaluated Oct 2006	Anne Beim (DK – CINARK)

Launched and funded Projects 3/6

Title	Involvement	Status	Project Manager
Industrialization and supply - the balance of project constitution and durable stability trough partnership	SE, FI, DK	ERABUILD VDP Call for proposal evaluated Oct 2006	Christian Koch (DK - DTU)
Characterisation and explanation of the possibilities of industrialisation of apartment buildings	SE, FI, FR, AT	ERABUILD VDP Call for proposal evaluated Oct 2006	SE part Molnár Miklós
Integration of project specific building models an industrialized building process	SE, FI	ERABUILD VDP Call for proposal evaluated Oct 2006	Markku Kiviniemi, (FI – VTT)
Industrial processes supported by an open virtual building information environment.	SE, FI	ERABUILD VDP Call for proposal evaluated Oct 2006	Anders Segerstedt (Väino Tarandi)

Launched and funded Projects 4/6

Title	Involvement	Status	Project Manager
RFID Radio Frequency Identification in the building and administration processes	SE, FI, DK	ERABUILD Call for tender End 2006	
Construction and Real Estate – Development of Indicators for Transparency	SE, FI, DK, NO, Islard, Lettland, Litauen	ERABUILD VDP Call for proposal	Coordination Niels Haldor Bertelsen (SBI)
User-oriented Benchmarking for Usability and Sustainable Performance of Real Estates	FI, SE, NO,	ERABUILD VDP Call for proposal	Suvi Nenonen, (HUT)

Launched and funded Projects 5/6

Title	Involvement	Status	Project Manager
The voice of customers in the construction process – new market oriented procedures to capture consumer needs in housing	SE, FI	ERABUILD VDP Call for proposal	Coordination Stellan Lundström, contact person Bernt Lundgren, (KTH).
Review of the Development and Implementation of IFC compatible BIM	SE, FI, NO, DK	ERABUILD VDP Call for proposal	Arto Kiviniemi (Väino Tarandi) Jan Karlshøj (Rambøll) Håvard Bell (SINTEF) Ole Jørgen Karud (SINTEF)

Launched and funded Projects 6/6

Title	Involvement	Status	Project Manager
Value driven procurement in building and real estate	CY, DK, FI, FR, NO, SE	ERACOBUILD VDP call for proposal evaluated Oct 09 and funded 6 month after	Pekka Houvila (FI)
A concept for promotion of sustainable retrofitting and renovation in early stages	CY, DK, SE	ERACOBUILD VDP call for proposal evaluated Oct 09 and funded 6 month after	Folke Björk (SE)
Procuring and operating complex products and systems in construction	DK, FR, SE	ERACOBUILD VDP call for proposal evaluated Oct 09 and funded 6 month after	Frederic Bougrain (FR)

4. Call Process

Steps of Eracobuild Call Process

- 1. Building a funding group and agree on the call focus
- 2. Finalize the call text
- 3. Formal fund allocation
- 4. Submit call
- 5. Brokerage consortium of applicants
- 6. Check formal conditions of applications
- 7. Eligibility check of national criteria
- 8. Evaluation of projects
- 9. Start projects
- 10. Monitor projects
- 11. Dissemination of results

1. Focus Points for Eracobuild Call Process

- 1. **Building a funding group** and agree on the call focus
- 2. Finalize the call text
- 3. **Formal fund allocation**
- 4. Submit call
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**timing with national
budget releases is
essential**

2. Focus Points for Eracobuild Call Process


- 1. Building a funding group and agreement
- 2. **Finalize the call text**
- 3. Formal fund allocation
- 4. Submit call
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include national rules and conditions from each funding country

specify co-monitoring, reporting, final presentation and dissemination

3. Focus Points for Eracobuild Call Process

- _ 1. Building a funding group and agree on the call focus
- _ 2. Finalize the call text
- _ 3. Formal fund allocation
- _ 4. **Submit call**
- _ 5. Brokerage consortium of applica
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- _ 7. Eligibility check of national criteria
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**international calls means
higher effort and risk for
research organisations**

**-> personal contact to
research organisation**

4. Focus Points for Eracobuild Call Process

- 1. Building a funding group and agreement
- 2. Finalize the call text
- 3. Formal fund allocation
- 4. Submit call
- 5. **Brokerage consortium of applicants**
- 6. Check formal conditions of application
- 7. Eligibility check of national criteria
- 8. Evaluation of projects
- 9. Start projects
- 10. Monitor projects
- 11. Dissemination of results

WEBINAR to arrange contacts and interests between research centres

Balance budget of consortium members in proportion of national budget

- avoid budget bottle neck of one country

- balance chance of success for applicants

- arrange for high quality applications only

5. Focus Points for Eracobuild Call Process

- 1. Building a funding group and agree on the call focus
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- 5. Brokerage consortium of applicants
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- 8. Evaluation of projects
- 9. **Start projects**
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Starter Kit for project managers:

- contact person
- best practice of managing international specialists
- establish co-monitoring and reporting

6. Focus Points for Eracobuild Call Process

- _ 1. Building a funding group and agree on the call focus
- _ 2. Finalize the call text
- _ 3. Formal fund allocation
- _ 4. Submit call
- _ 5. Brokerage consortium of applicants
- _ 6. Check formal conditions of applications
- _ 7. Eligibility check of national criteria
- _ 8. Evaluation of projects
- _ 9. Start projects
- _ 10. Monitor projects
- _ 11. **Dissemination of results**



Presentation in front of the steering committee (2...3 years elapse time of projects)

Slides and report in English to be distributed

5. Profile of Eracobuild

Summary Profile, (21 interviews with stake holders)

Strength

- **Strong network for strategic alliance and know how exchange a) for funding agencies and b) for research bodies**
- **Fast, uncomplicated and focused calls**
- **Joint calls close to industry**

Weaknesses

- **Big inefficient team**
- **Different interests of countries**
- **Dissemination of result**

Opportunities

- **Involvement of multinational industries**
- **Big variety of thinking and solving problems (high innovation potential)**

Threats

- **Low political motivation to cooperate on international level**
- **Different cultures and building processes**
- **Other research networks**

Eric Langenskiöld, Project Engineer, Basler & Hofmann
eric.langenskiold@baslerhofmann.ch, +41 44 387 11 22

Thank You!

Basler & Hofmann Zürich
