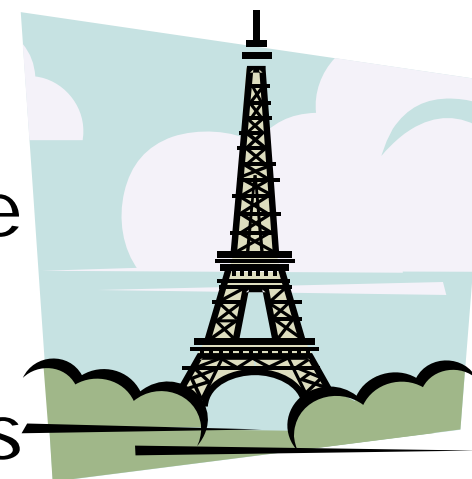


Erabuild – National Funding for International Research



European Research Area
Sustainable Construction
& Operation of Buildings

ECTP Conference
Mika Lautanala
21.11.2006 Paris





What is Erabuild

- Network of national funding bodies
 - Programme owners
 - Programme managers
- Mission
 - Programme owners and managers cooperate and collaborate effectively
 - Scope: Operation and Construction of Buildings
- Project funded by EU



EBST - National Agency for Enterprise and Construction
"Digital Construction"

Tekes – Finnish Funding Agency for Technology and Innovation, coordinator
"Sara" & "Cube"



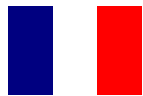
1. **BMBF - German Federal Ministry of Education and Research**
2. **TÜV – Management Systems GmbH**
"Building and Housing"



1. **Formas - The Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning**
2. **BIC - Swedish Construction Sector Innovation Centre**
"Sustainable Buildings"



DTI - Department of Trade and Industry
"Avanti"



1. **Ministère de l'équipement, des transports, du logement, du tourisme et de la mer**
2. **CSTB - Centre Scientifique et Technique du Batiment**
"Sustainable Building"



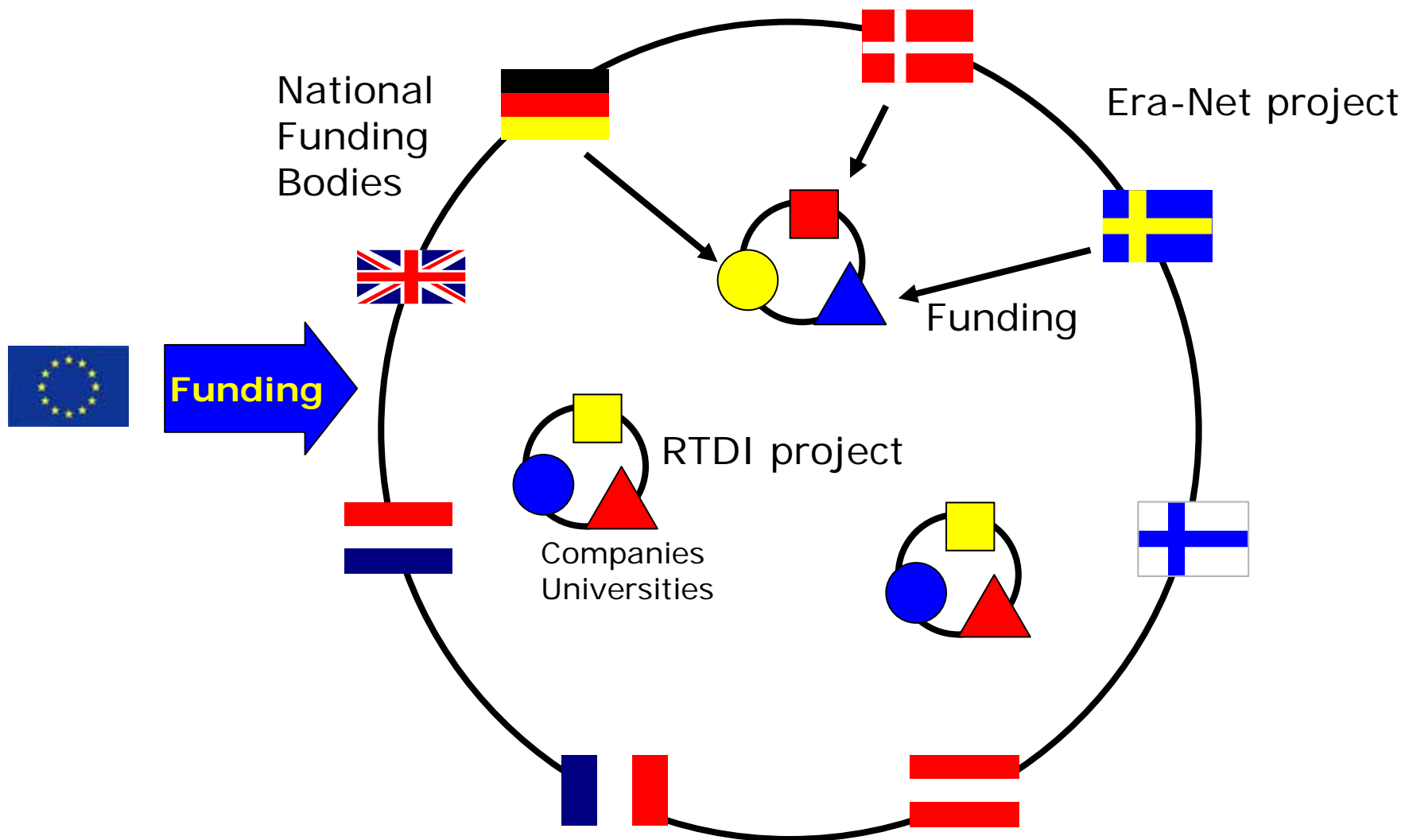
1. **BMVIT - Austrian Federal Ministry of Transport, Innovation and Technology**
2. **FFG - Austrian Research Promotion Agency**
3. **Ögut - Austrian Society for Environment and Technology**
"Building of tomorrow"



SenterNovem
"Compass"

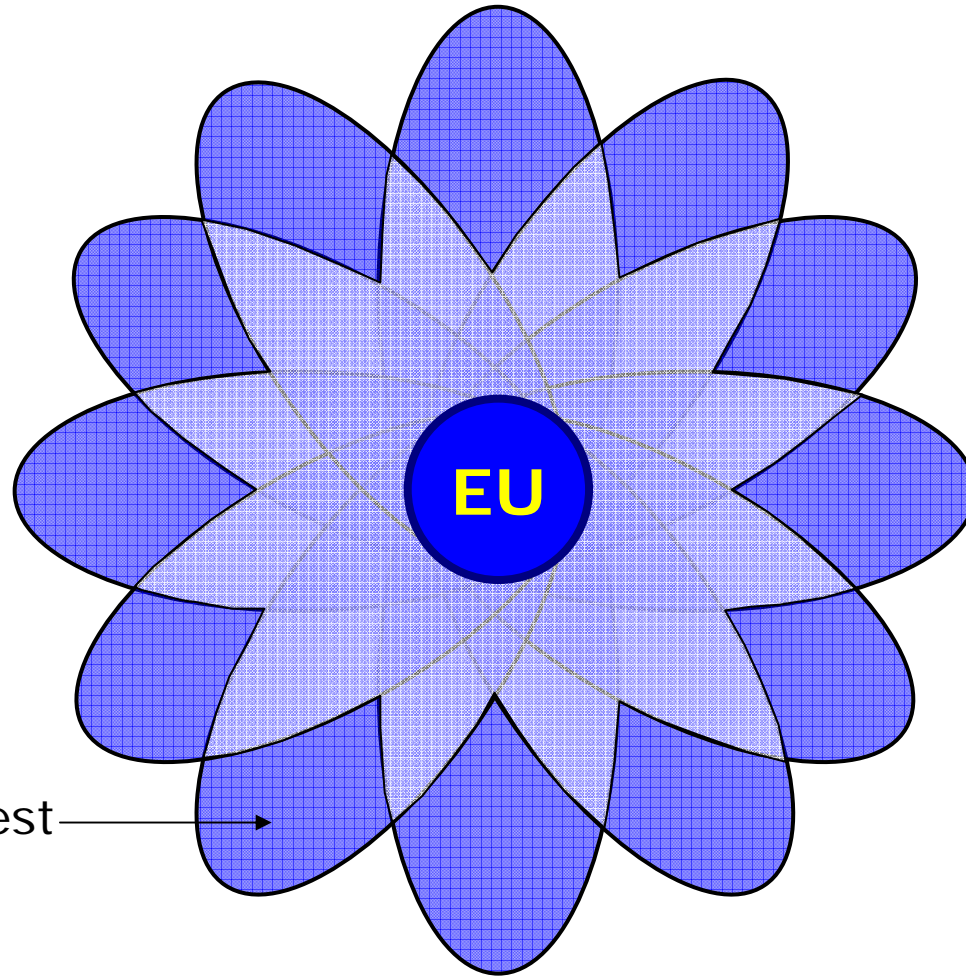


Erabuild – research projects





National – European dimensions

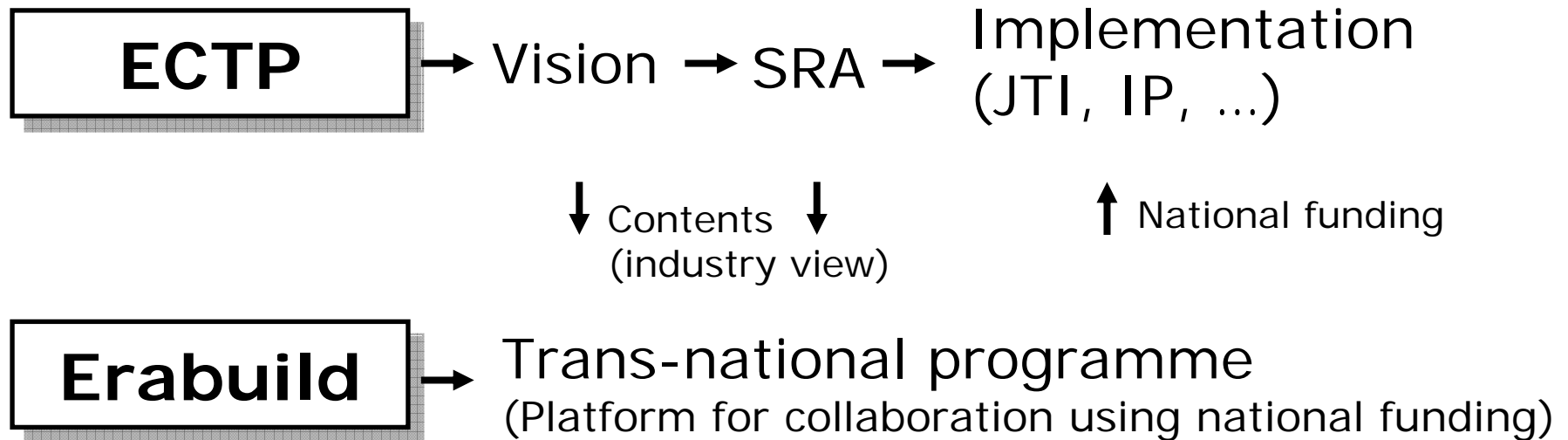


National interest →



ECTP and Erabuild

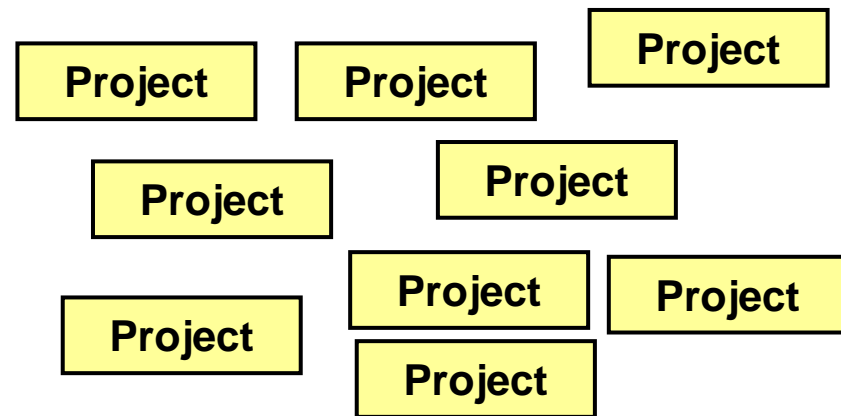
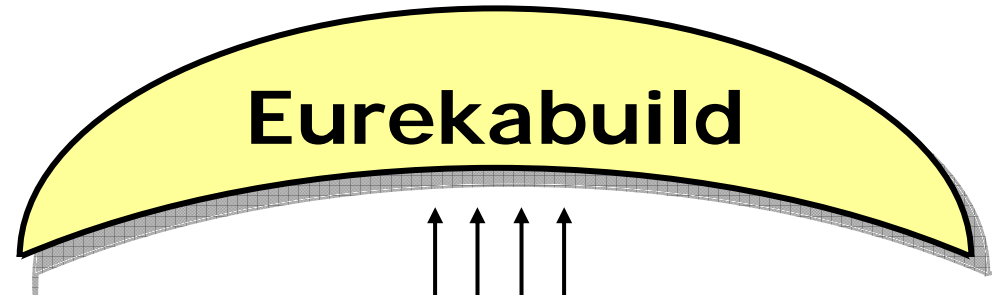
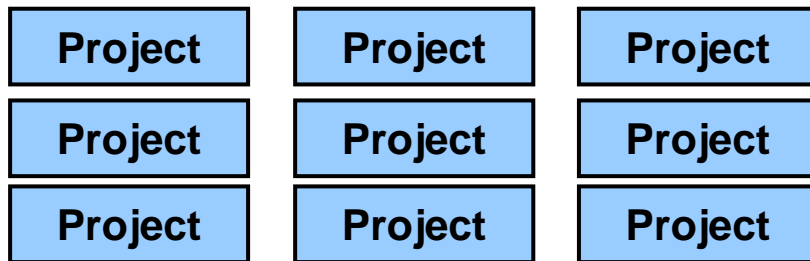
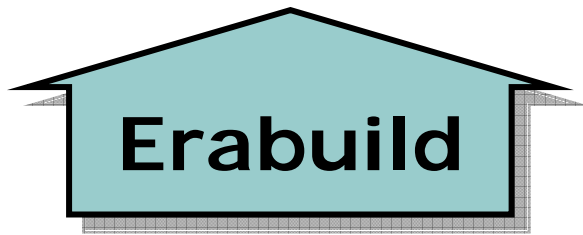
“Where to go?”



“How to get there?”



Erabuild - Eurekabuild





Pilot Joint Calls

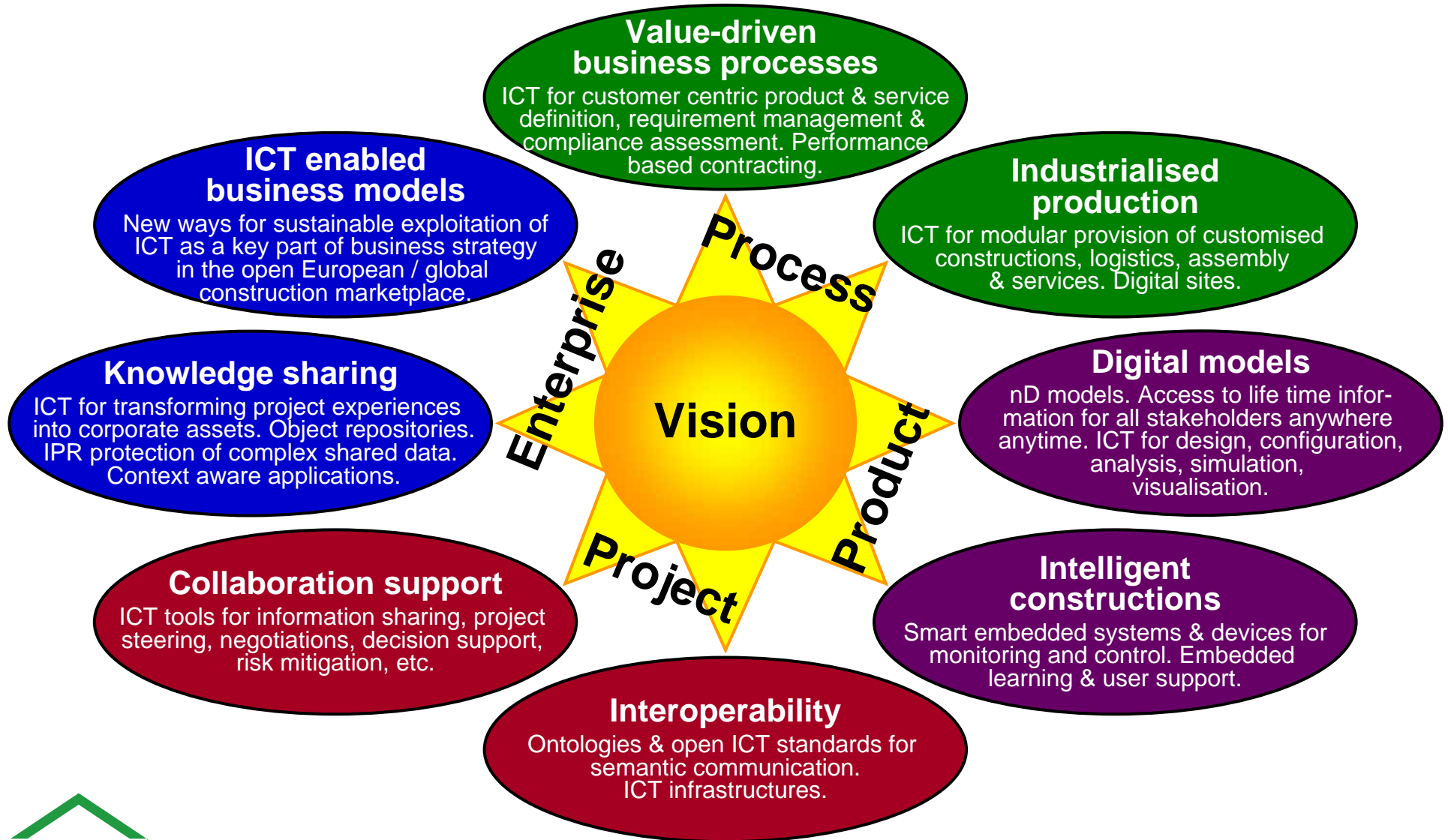
- Two pilot joint calls launched
 - Managing information in construction
 - 4 projects selected, 2005
 - Transformation of the Construction Sector through industrialisation
 - 8 projects selected, 2006
- Total volume 6,0 M€
- Funding from Erabuild 3,1 M€



Joint Call on Managing Information in Construction Selected projects (total budget)

- Lund (Se) & VTT (Fi): ICT for Whole Life Optimization of Residential Buildings (325 k€)
- VTT (Fi) & CSTB & VUT (Au): Strat-CON Strategic Actions for Realising the Vision of ICT in Construction (270 k€)
- Chalmers (Se) & VTT (Fi): ISCIS - Integrated Supply Chain Information Systems (203 k€)
- Lund (Se) & CSTB: Evaluation of benefits of ICT for the industrialization of project and product processes in the construction industry (282 k€)
- Total budget 1080 €

Roadmap Themes





Joint Call on Industrialisation Selected projects (total budget)

- Plug & Play
 - Lund (se), CSTB (fr), Profactor (at), VTT (fi)
 - 769.000 €
- Industrial Processes Supported by an Open Virtual Building Environment,
 - Luleå (se), Tampere University of Technology (fi)
 - 556.000 €
- Architectural quality, user requirements and mass customization in industrial building systems
 - Cinark (dk), Chalmers (se)
 - 336.000 €
- Developing values and delivering customer value in an industrialised context
 - DTU (dk), Lund TU (se)
 - 665.000 €

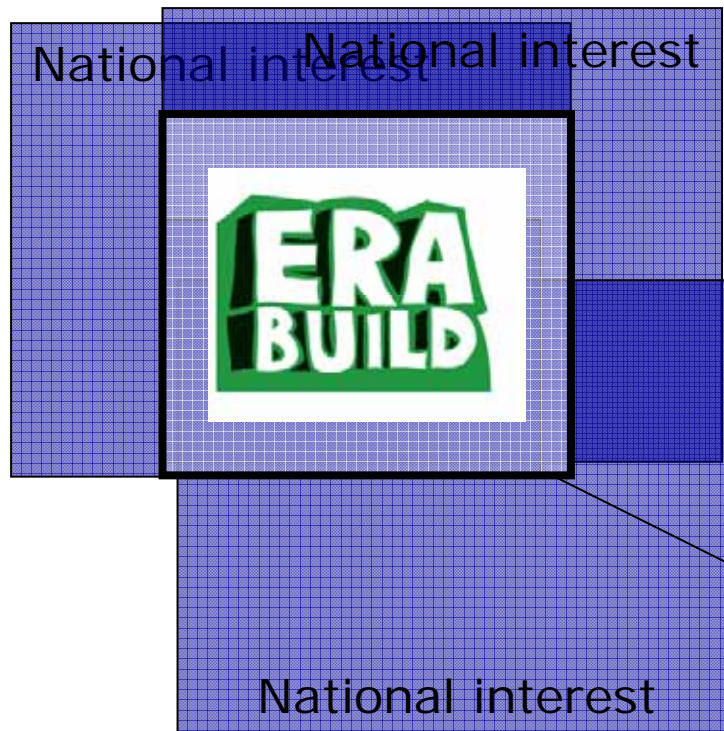


Joint Call on industrialisation Selected projects (total budget)

- TRANS-USERS – Industrialising the construction sector through user- driven innovation
 - SBI (dk), Lund (se), CSTB (fr)
 - 704.000 €
- New Industrialisation in Supply,
 - DTU (dk), VTT (fi), CSTB (fr), Chalmers (se)
 - 480.000 €
- Integration of project specific building information model into industrialised building process
 - Skanska (fi), Luleå (se)
 - 1.414.000 €



Potential Themes for a Trans-national Programme



Sustainable renovation

Process & ICT

- Common interest
- Added value from Erabuild



What to expect from Erabuild?

- To launch new pilot joint calls
- To get new countries involved

- To launch joint calls
- To launch trans-national programme(s)
- To coordinate national R&D funding



Thank You!



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