STRUCTURING THE ERA FOR CONSTRUCTION

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The ERA has become a key component of the Lisbon Strategy for transforming Europe into the world’s most competitive and sustainable knowledge-based economy.

Since 2004, the ECTP has been contributed successful by:

- Joining forces to establish the European Research Area (ERA) and to step up the co-ordination of research activities carried out at National and European level.

- Enhancing co-ordination of national and European research programmes and policies, overcoming fragmentation, and creating an “internal market” for research it constitutes one of the central axes of the ERA concept.
ERA CONSTRUCTION
CORE ELEMENTS

FP7 NMP/INFSO/ENV..., CIP, SET-PLAN, LM, ETAP, ERC, CONCERTO, ...

Research

NATIONAL R&D

Growth & Jobs

EUREKABUILD

EU

ERACOBUILD

JTI E2B

NATIONAL

REGIONAL

Education

Innovation
ERA-NET in FP6 related to Construction

- 6 joint calls in ERABUILD
  (ICT, Industrialization, RFID, BIM-IFC, Sustainable Renovation, Performance Indicators)

- Significant and increasing budgets made available for transnational research projects (> 5 M€ national money)

- Growing importance of other joint activities

- Need to strengthen links with other Eranet (WOODWISDOM, ETRANET…)

NEW FP7 ERACOBUILD TOWARDS AN ERANET+
EUREKABUILD E!3790

- **E!4078 EUREKABUild STABCON (3.55 Mio€)**
  - Development of stabilization/solidification method for contaminated sediments and other dredged materials

- **E!3972 EUREKABUild GEOSUITE2 (3 Mio€)**
  - Management and presentation of geotechnical data for solving geotechnical design problems

- **E!4017 MATINOX (0.74 Mio€)**
  - Reinforced Concrete using Flat Stainless Steel Bars

EUREKA BOTTOM UP APPROACH CONSOLIDATING THE ERA
Examples of Actions within TUD (Transport and Urban Development)

- C19 Proactive Crisis Management of Urban Infrastructure
- C21 Towntology – Urban Ontologies for an Improved Communication in Urban Civil Engineering Projects
- C23 Strategies for a Low Carbon Built Environment
- C25 Sustainability of Constructions: Integrated Approach to Life-time Structural Engineering
- C26 Urban Habitat Constructions under Catastrophic Events
- 354 Performance Indicators for Road Pavements

Enhancing co-ordination of national research programmes & policies, overcoming fragmentation and creating an “internal market” for research constitute central axes of the ERA concept.
Examples:

- Poles de compétitivitès, clusters…
- National R&D programmes: “Digital construction, sustainable construction, avanti, sara, cube, compass, buildings of tomorrow, buildings and housing….” Representing >60 Mio€
- R&D programmes of research institutes (ENBRI, FEHRL, ELGIP…)

AN IMPORTANT ADD-ON TO EU ERA INITIATIVES
LONG TERM ERA STRATEGY

Initial commitment

ECTP start Maastricht

Vision & SRA

Implementation IAP

Monitoring follow-up, new initiatives

% achievement

FUTURE STEPS

- Continuing to Implement ERA in FP7, in NMP and in other Themes, consolidate the JTI/E2B
- Better understanding expectations of Member States, Industry & Clients & Users
- Helping to shape Work Programme revisions and increasing synergies with ETPs SRA
- Identify the potential need/possibilities for increased cooperation (Including International)
- Learn about expectations/plans for future activities, in particular after the end of current projects as future activities envisaged even without EC FP7 funding

.....THANK YOU FOR YOUR ATTENTION .....