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# **STRUCTURING THE ERA FOR CONSTRUCTION**

**3rd European Construction  
Technology Platform (ECTP)  
Conference  
Amsterdam Nov 19-20, 2007**

Christophe LESNIAK RTD-G.2



# CONTENT

-  **ERA CONCEPT**
-  **CONSTRUCTION ERA ELEMENTS**
-  **ERANET**
-  **EUREKA**
-  **COST**
-  **OTHER NATIONAL INITIATIVES**
-  **GLOBAL STRATEGY**
-  **FUTURES STEPS**

**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 :**

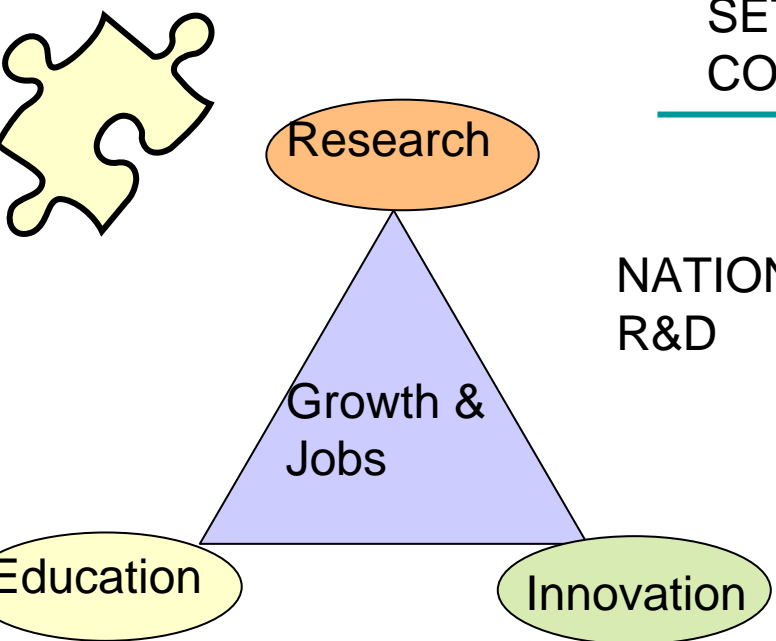
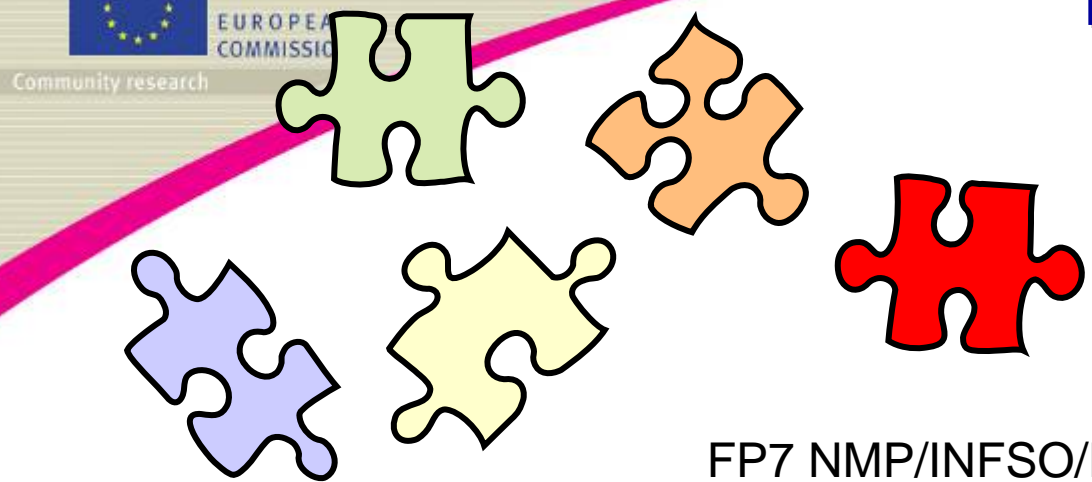
- ✚ Joining forces to establish the European Research Area (ERA) and to step up the co-ordination of research activities carried out at National and European level.
- ✚ Enhancing co-ordination of national and European research programmes and policies, overcoming fragmentation, and creating an “internal market” for research it constitutes one of the central axes of the ERA concept.



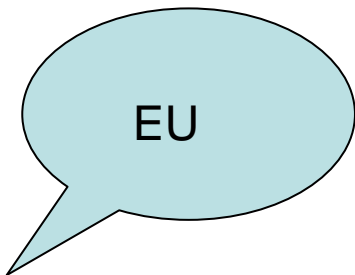
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# ERA CONSTRUCTION CORE ELEMENTS

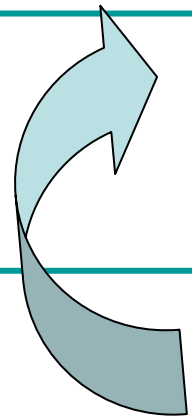


FP7 NMP/INFISO/ENV..., CIP,  
SET-PLAN, LM, ETAP, ERC,  
CONCERTO, ...



NATIONAL  
R&D

JTI E2B  
EUREKABUILD  
COST



ERACOBUILD



# 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+**



- **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

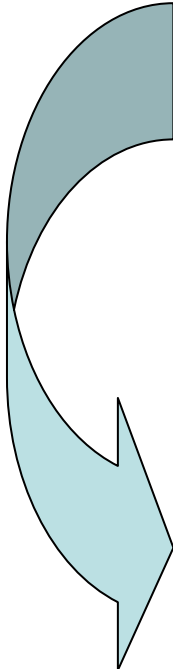


**EUREKA BOTTOM UP APPROACH CONSOLIDATING  
THE ERA**



## ■ **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 competitivites, 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**



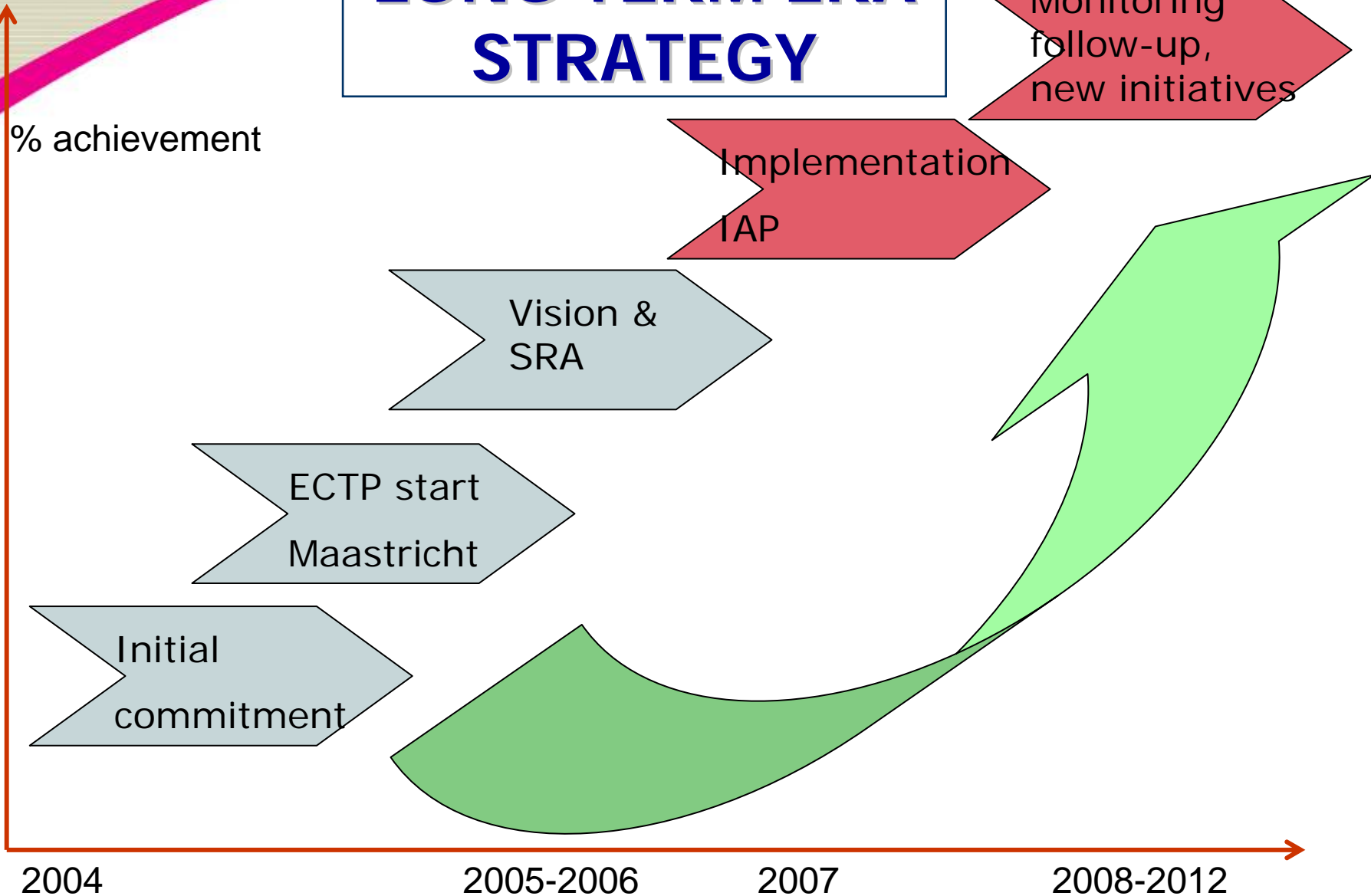




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# LONG TERM ERA STRATEGY





# 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 .....**