



**EUREKA UMBRELLA PROJECT:**  
**Technologies for a Sustainable and  
Competitive Construction Sector**

# ECTP & EurekaBuild

**Jesús Rodríguez**  
**ECTP SG chairman**  
**EurekaBuild chairman**  
**DRAGADOS (ACS Group), Spain**



**EUROPEAN CONSTRUCTION TECHNOLOGY PLATFORM**

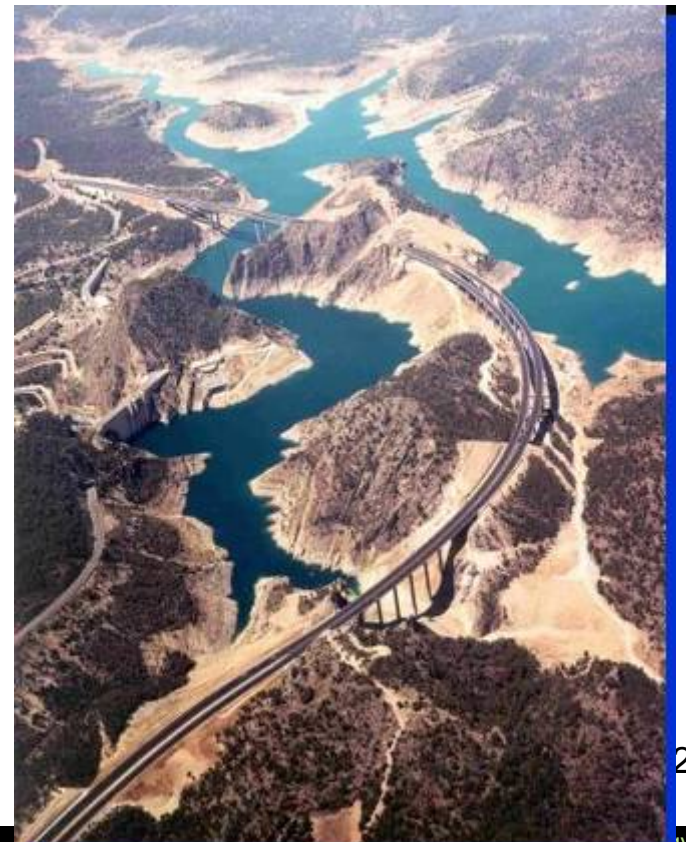
[www.ectp.org](http://www.ectp.org)



- **Industrial driven platform** to mobilise the construction sector, fully supported by EC.
- New strategies on **R&D&I** to improve **competitiveness** and satisfy the **societal needs**.



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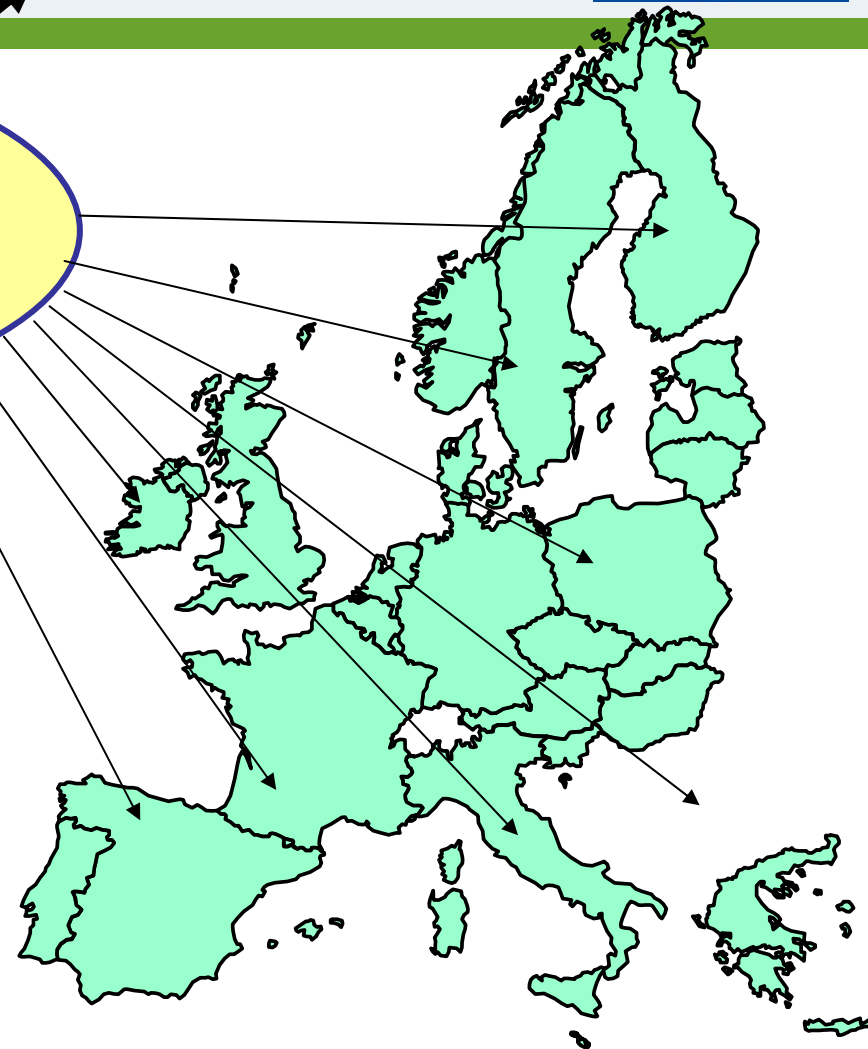


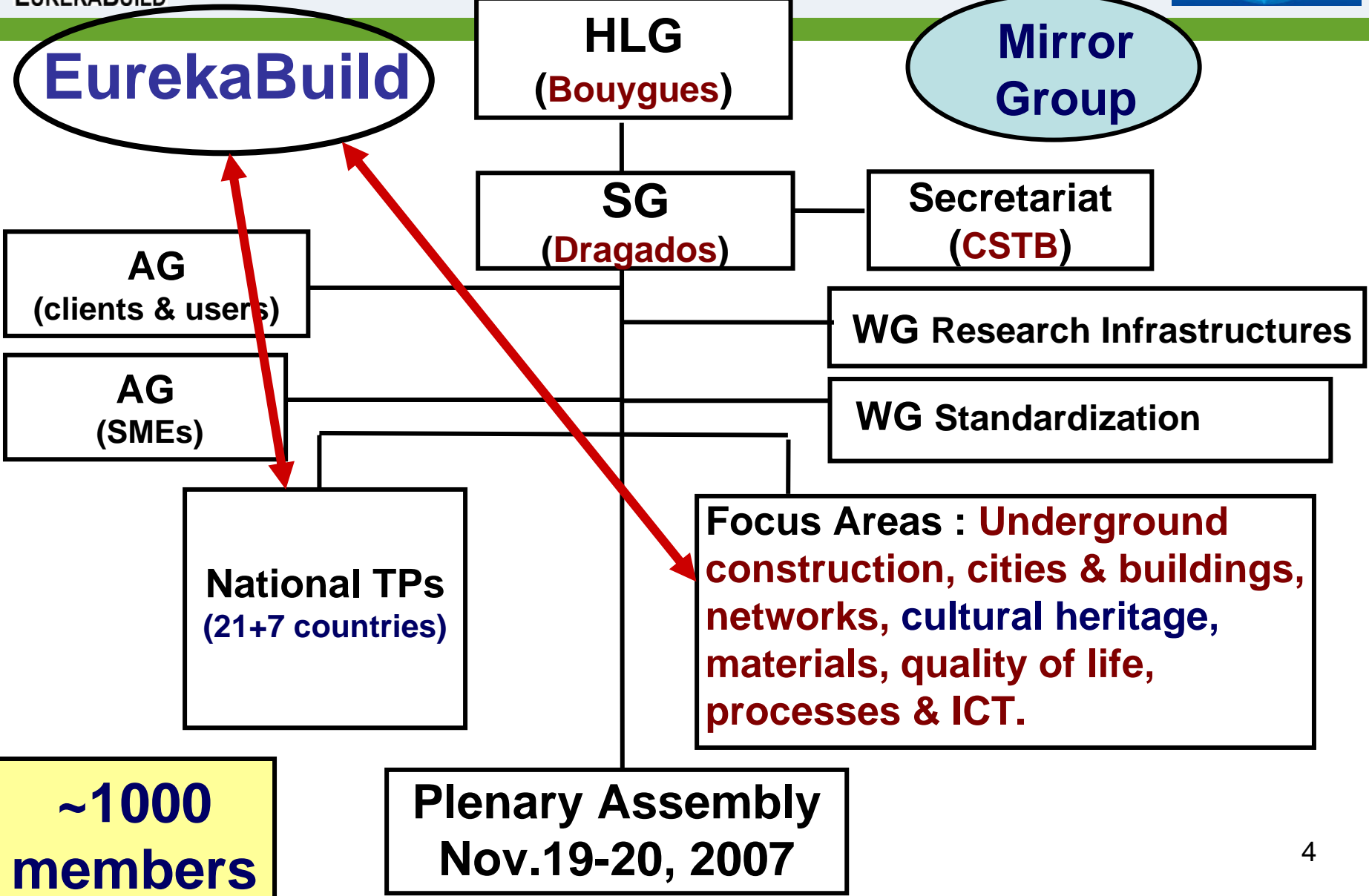
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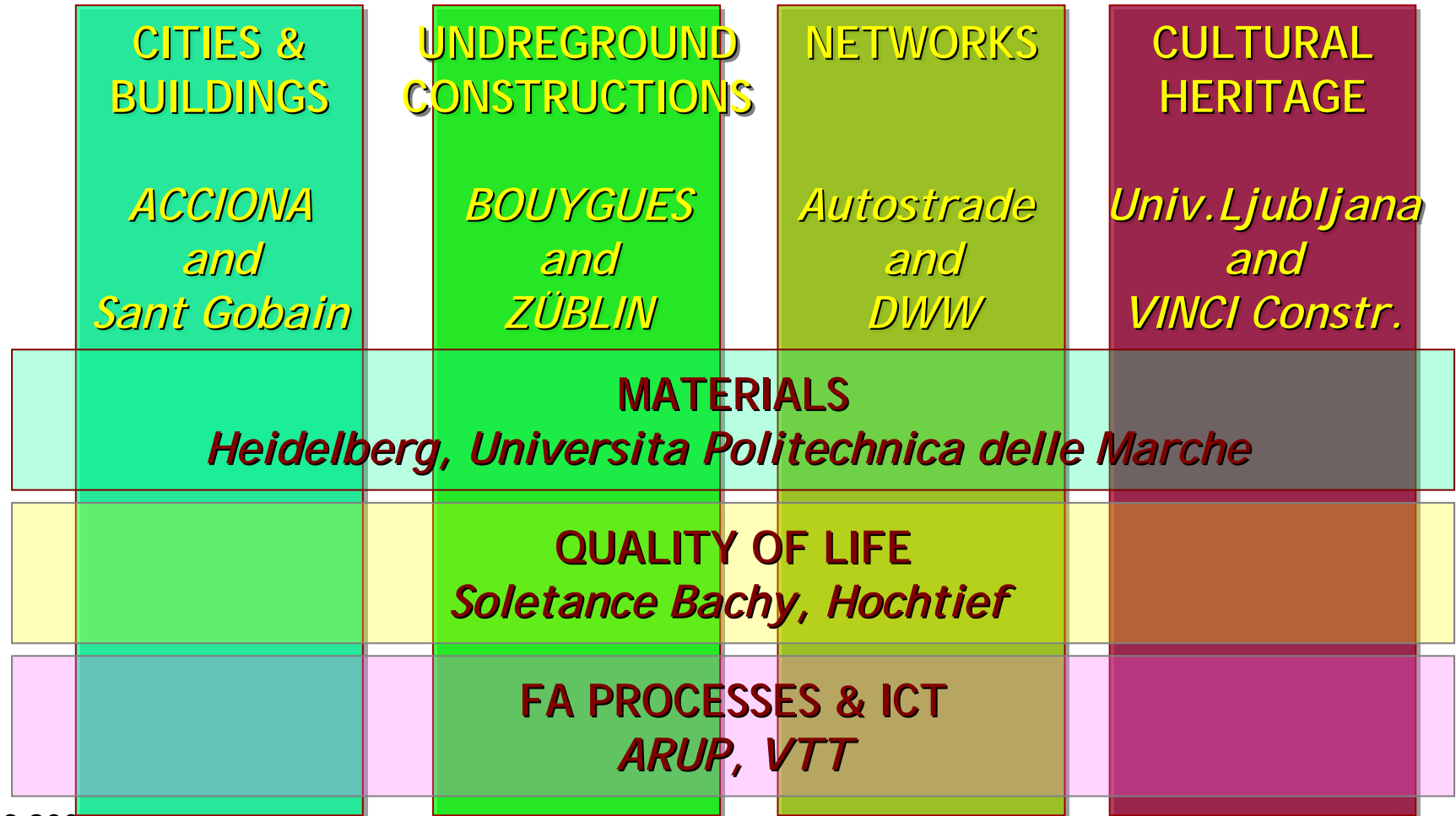
- All European countries together
- Group of countries
- Each country alone

## STAKEHOLDERS:

- Industries
- Researches & Universities
- Clients and Users
- Financial Organizations
- Public Authorities, ...







## Advisory Groups

- **Clients and Users:**  
SBi, Eurocities
- **SMEs:**  
BBRI, Labein

## Working Groups

- **Standardization**  
CSTB, Eccredi
- **Research infrastructures**  
SBi (Enbri)

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- Home
- Presentation

-  Underground Construction
-  Cities and Buildings
-  Quality of Life
-  Materials
-  Networks
-  Cultural Heritage
-  Processes & ICT

### EurekaBuild

- **Conference 2006**  
presentations online...
- National Technology Platforms
- Advisory Groups
- Public documents
- Links
- Events of Interest
- Contact
- Plenary assembly 2005
-  Private Area
- Access to Euro-RTD Construction Portal
- Access to RTD Portal

### A new approach for the construction sector

The European Construction Technology Platform (ECTP) will raise the sector to a higher worldbeating level of performance and competitiveness. This will be achieved by analysing the major challenges that the sector faces in terms of society, sustainability and technological development. Research and innovation strategies will be developed to meet these challenges engaging with and mobilising the wide range of leading skills, expertise and talent available to us within our industry over the coming decades, in order to meet the needs of the Society.

**The platform is open to all** who wish to participate and indeed a broad active involvement is encouraged.

#### Latest news:

- (29 March 2007) FP7 Information Day on "ICT for environmental management and energy efficiency" - 21 May 2007 in Prague --> [more...](#)
- (16 March 2007) EurekaBuild events - Three workshops are planned in may & June 2007 --> [more...](#)
- (23 Nov 2006) The Conference 2006 presentations are [available for download...](#)

- **Define Vision 2030**
- **Define research priorities**
- **Promote research projects**
- **Follow up of research**
- **Improve innovation**



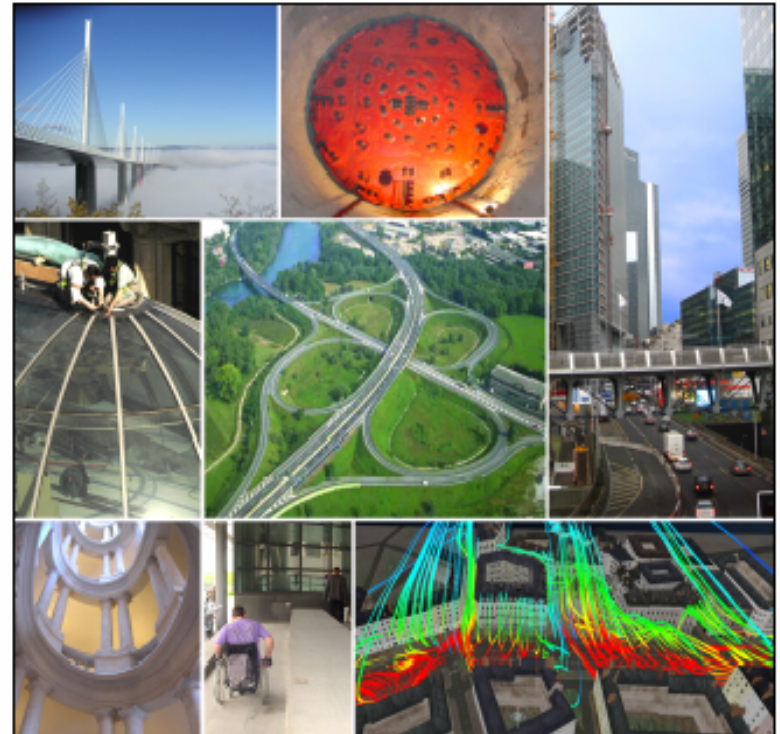
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# Strategic Research Agenda (Nov.2005)

## Research priorities

- Meeting client/users requirements
- Becoming sustainable
- Transformation the construction sector



## Strategic Research Agenda for the European Construction Sector

Achieving a sustainable and competitive  
construction sector by 2030

*Working Version 0.111, Nov 18th, 2005*

European Construction Technology Platform (ECTP)  
[www.ectp.org](http://www.ectp.org)

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# Selected Priorities (2007-13)

A	Technologies for Healthy, Safe, Accessible and Stimulating <u>Indoor Environments</u> for All
B	Innovative Use of <u>Underground Space</u>
C	New Technologies, Concepts and High-tech Materials for <u>Efficient and Clean Buildings</u>
D	Reduce Environmental and Man-made <u>Impacts</u> of Built Environment and Cities
E	Sustainable <u>Management</u> of Transports and Utilities <u>Networks</u>
F	A Living <u>Cultural Heritage</u> for an Attractive Europe ←
G	Improve <u>Safety and Security</u> within the Construction Sector
H	New Integrated <u>Processes</u> for the Construction Sector
I	High Added Value Construction <u>Materials</u>

## Consultation processes

- **May 4:** Comments from ECTP, NTPs, IP coordinators, EurekaBuild, Erabuild, Eccredi, Encord, ....

## Deadlines

- **May 23:** Approval by SG
- **June 20:** Endorsement by HLG





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p.org/grouper/software/dossiers\_grp/dossier\_grp.asp?prov=dossier&id\_dossier=845&niveau=1



**E C T P**  
**EUROPEAN CONSTRUCTION TECHNOLOGY PLATFORM**



Restricted Area

Workgroup : ECTP Global

Welcome Jesus Rodriguez

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## Documents

**Classification** | [List of documents](#)

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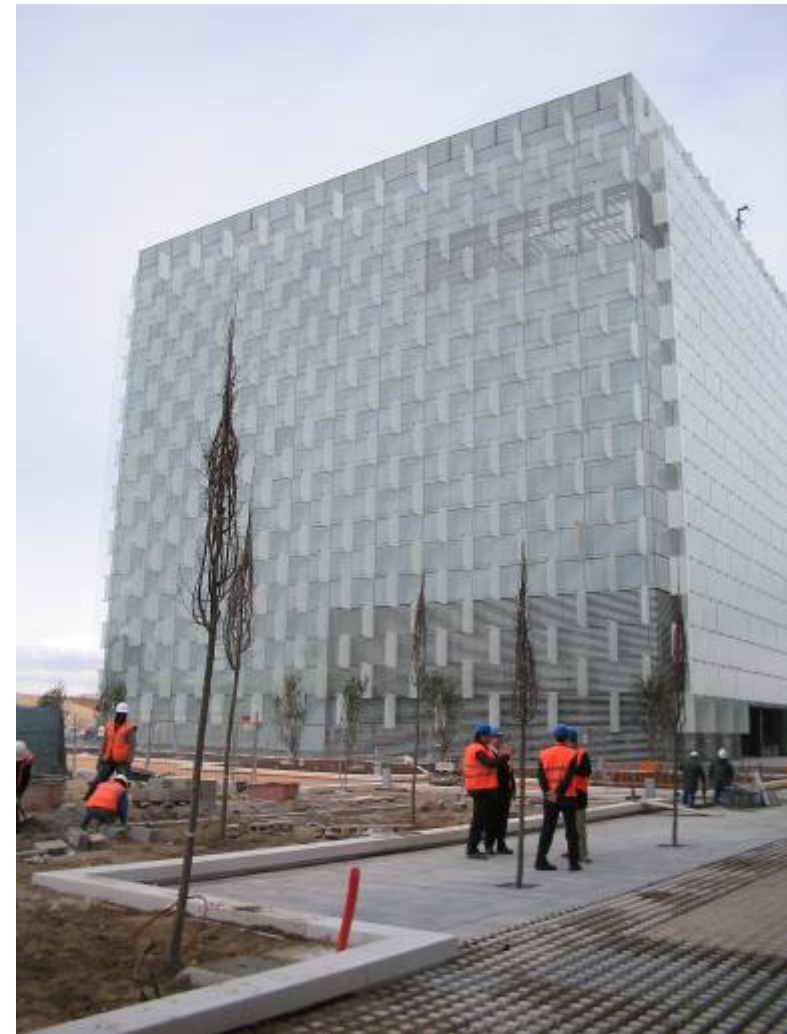
Documents

- 0. FP7 2007 Proposals**
  - ENERGY.2007.8.1.1 Manufacturing industry: wastes and waste heat recovery and tra...
  - ENERGY.2007.8.1.3 Manufacturing industry: innovative energy efficient industrial...
  - ENV.2007.1.3.2.1. Frame for better vulnerability assessment
  - ENV.2007.3.1.2.2. Development of technologies and tools for soil contamination a...
  - ENV.2007.3.1.5.1. Low resource consumption buildings and infrastructure
  - ENV.2007.3.1.5.2. Performance indicators for health, comfort and safety of the i...
  - ENV.2007.3.2.1.1. Damage assessment, diagnosis and monitoring for the preventive...
  - INFRA-2007-2.1.2: Design studies for e-Infrastructures
  - NMP-2007-3.2-2 Process intensification in chemicals production
  - NMP-2007-4.0-5 Resource efficient and clean Buildings
  - NMP-2007-4.0-6 Innovative added-value construction product-services
  - ECTP FP7 Proposal Form

- **More efficient building envelope**
- **Better equipment and systems**
- **Larger integration of renewable energies**
- **Change collective and individual behaviour**

**Leaders: Acciona, Bouygues**

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# Eureka projects



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## **EUREKA UMBRELLA PROJECT: Technologies for a Sustainable and Competitive Construction Sector**

**To mobilise the construction sector in each country in order to prepare Eureka projects, close to ECTP & NTPs research priorities**

**Contacts with Public National Administrations to get support for Eureka projects**



- **Technical Committee:**
  - ASM (Poland); Univ. Zagreb (Croatia)
  - BAM (Netherlands); Sintef (Norway)
  - Secretariat: CSTB
  - Chairmanship: Dragados
- **Steering Committee**
  - NUPs
  - NUSs (appointed by NTPs)
  - Invited members: NTP contact persons and Eureka Secretariat
  - **Next meeting. Athens, May 22, 2007**

- Austria
- Belgium
- Croatia
- Czech Rep.
- Denmark
- Finland
- France
- Greece
- Lithuania
- Netherlands
- Norway
- Poland
- Portugal
- Slovenia
- Spain
- Sweden
- Switzerland
- UK



- **January 2007 (Rotterdam): Networks**
- **May 7-8, 2007 (Oslo): ICT and New integrated Processes. Building Smart**
- **May 21, 2007 (Athens): Cultural Heritage**  
***May 22: Steering Committee with NUP/NUSs (Athens)***
- **June 4, 2007 (Telc, Czech Republic ): Advanced Materials and Technologies**

**Updated information at  
[www.ectp.org](http://www.ectp.org)**



**EurekaBuild website**  
[www.ectp.org/eurekabuild2.asp](http://www.ectp.org/eurekabuild2.asp)



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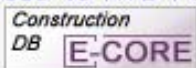
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 Members Area

Access to RTD Portal



## EUREKA E!3790 EurekaBuild

Technologies For A Sustainable And Competitive Construction Sector



EurekaBuild is an EUREKA Umbrella dedicated to generating and supporting projects in the area of construction.



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- May 2007 -



**EUREKA UMBRELLA PROJECT:**  
Technologies for a Sustainable and  
Competitive Construction Sector

EurekaBuild Newsletter No. 1

## Newsletter No. 1



**EUREKA UMBRELLA PROJECT:**  
Technologies for a Sustainable and  
Competitive Construction Sector

EurekaBuild Newsletter No. 1 - May/2007

### Partners

Many of European Construction Technology Platform country members have a

Austria	Finland	Norway	Sp
Belgium	France	Poland	Sv
Croatia	Greece (joining project)	Portugal	Sv
Czech Republic	Lithuania	Slovenia	Un
Denmark	The Netherlands		



According to Eureka rules each Umbrella country member nominates two rep

- National Umbrella Sector Representative (NUS)
- National Umbrella Public Representative (NUP)

For a complete list of EurekaBuild national representatives by country please  
[www.ectp.org/eurekbuild2.asp](http://www.ectp.org/eurekbuild2.asp)

### Events

EurekaBuild Umbrella wishes to provide a platform for European researchers in the construction sector to generate ideas and find people to endorse the ideas, in order to submit joint Eureka projects.

For this purpose EurekaBuild events will be organized around specific priority research themes where researchers from industry (large companies and SMEs), research institutes and universities can meet and negotiate collaboration, and where they will receive relevant information on how to set up a Eureka project.

Events will be organized by National Construction Technology Platforms in close cooperation with the Focus Area Groups, EurekaBuild members' National Umbrella Sector and Public Representatives and National Eureka Contact Person. It is planned to hold 15 international brokerage events over the period of 3 years.

### Workshop & Brokerage Event

Towards a Reliable and Available Public Infrastructure

Rotterdam, 22-23 January 2007

Deltaneth - Dutch Construction Technology Platform

The first EurekaBuild brokerage event was held on January 22<sup>nd</sup> and 23<sup>rd</sup> in Rotterdam and successful indeed. In total 75 people from 11 countries were attending this event. The brokerage event was organised by the Dutch Construction Technical Platform called Deltaneth and the theme was "Towards a reliable and available public infrastructure". Several keynote lectures were held to specify the needs for innovation in this field and to stimulate interaction with market parties who presented their innovations by posters and short oral presentations.

Also the Dutch national contact point Sentemovem was invited to explain the Eureka structure and Dutch procedure in a very practical way. At the end of the event about 40 innovations were collected. The full report on this event (presentations and innovations and more) can be reached through [www.ectp.org/eurekbuild2.asp](http://www.ectp.org/eurekbuild2.asp) under the title "schedule of events".



### Dear friends,

In June 2006, Eureka umbrella E13790 EurekaBuild on "Technologies for a sustainable and competitive construction sector" was approved in the NPCs meeting in Prague. This initiative was promoted by the European Construction Technology Platform (ECTP) in collaboration with the National Construction Technology Platforms (NTPs) from 18 countries, with the following aims:

- To mobilise the sector in each country, through the NTPs, in order to prepare Eureka projects, fitting with the research priorities that have been defined in the Strategic Research Agendas.
- To promote contacts with Public National Administrations to get support for Eureka projects.

EurekaBuild is managed by a Steering Committee with NUP and NUS representatives from the 18 countries. A small Technical Committee is dealing with the daily activities, with six members: ASM, University of Zagreb, BAM, Sintef, CSTB and Dragados.

This umbrella is promoting project ideas through:

- The dedicated area of ECTP website ([www.ectp.org](http://www.ectp.org))
- Thematic workshops: four were planned for the first half of 2007, in The Netherlands on Networks, in Norway on ICT, in Greece on Cultural Heritage and in Czech Republic on Advanced materials.

At the Steering Committee meeting in Athens, in May 22, we will revise the strategy to assure future development of Eureka projects.

I would like to invite those countries that are not in EurekaBuild to join this initiative because, together, we have to develop the planned research priorities using all instruments, at European, Multinational and National levels.

Regards,

Jesús Rodriguez

EurekaBuild chairman & ECTP Support Group chairman

### June 2006

Launching of three-year EurekaBuild Umbrella Project

### September 2006

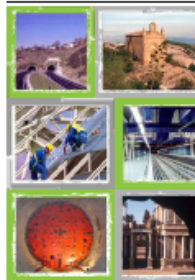
1<sup>st</sup> EurekaBuild Steering Committee Meeting held in Ispra

### November 2006

EurekaBuild presented at the ECTP conference in Versailles

### January 2007

1<sup>st</sup> EurekaBuild Workshop & Brokerage Event held in Rotterdam



- **Projects ideas:**
  - EurekaBuild site at [www.ectp.org](http://www.ectp.org)
  - EurekaBuild workshops
- **Eureka procedure:** information at [www.eureka.be](http://www.eureka.be)
  - Project ideas
  - Project proposals
  - Eureka projects: Eureka label
  - National projects

# National research projects



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23

- Austria
  - Belgium
  - Croatia
  - Czech Rep.
  - Denmark
  - Finland
  - France
  - Germany
  - Greece
  - Italy
  - Lithuania
  - Netherlands
  - Norway
  - Poland
  - Rumania
  - Slovenia
  - Spain
  - Sweden
  - Switzerland
  - Turkey
  - UK
- Starting/Contacts**
- Cyprus
  - Estonia
  - Luxembourg
  - Ireland
  - Latvia
  - Portugal
  - Slovakia
  - ...





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- **Erabuild** (FP6): sustainable construction and operation of buildings (Finland, Austria, Denmark, France, Germany, The Netherlands, Sweden, UK, Norway, Spain and Switzerland).
- **Erabuild2**: Erabuild consortium is willing to present a new proposal at FP7 (July 2007).
- Spain is also willing to promote and lead the **Cooperbuild** proposal for FP7

## ECTP & ERA-NET (Cultural Heritage)

A proposal is being prepared for FP7 on Cultural Heritage under the coordination of Italy.



- A meeting was carried out in Rome, in March 9, 2007, with Belgium, Bulgaria, France, Slovenia, Iceland, Italy, Norway, Poland, UK, Rumania and Spain.
- Next meeting in May 21.

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- **ECTP is willing to support ERA-NETs proposals :**
  - **With the participation of a consortium that includes all active countries in research programs, in the field of NMP or cultural heritage.**
  - **With priorities defined at ECTP&NTPs Strategic Research Agendas (SRAs)**

- **Define Vision 2030 and research priorities**
- **Promote research projects**
- **Follow up of research**
- **Improve innovation**
  - ✓ **Lead markets (DG Enterprise)**
  - ✓ **SET-Plan (DG TREN)**
  - ✓ **ETAP Forum on Eco-Innovation. Markets for Sustainable Construction (DG Environment)**
  - ✓ **European Institute of Technology (EIT)**

[www.ectp.org](http://www.ectp.org)



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