ECTP & EurekaBuild

Jesús Rodríguez
ECTP SG chairman
EurekaBuild chairman
DRAGADOS (ACS Group), Spain
• 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.
STAKEHOLDERS:

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

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

3.6.2007

FP7, Eranet, Eureka, Cost, CIP, Concerto, National projects,…
ECTP

EurekaBuild

HLG (Bouygues)

Mirror Group

SG (Dragados)

Secretariat (CSTB)

AG (clients & users)

AG (SMEs)

National TPs (21+7 countries)

Focus Areas: Underground construction, cities & buildings, networks, cultural heritage, materials, quality of life, processes & ICT.

WG Research Infrastructures

WG Standardization

Plenary Assembly Nov.19-20, 2007

~1000 members
Focus Areas

CITIES & BUILDINGS
- ACCIONA
- Sant Gobain

UNDREGROUND CONSTRUCTIONS
- BOUYGUES
- ZÜBLIN

NETWORKS
- Autostrade
- DWW

CULTURAL HERITAGE
- Univ.Ljubljana
- VINCI Constr.

MATERIALS
- Heidelberg, Universita Politechnica delle Marche

QUALITY OF LIFE
- Soletance Bachy, Hochtief

FA PROCESSES & ICT
- ARUP, VTT

3.6.2007
Advisory Groups

- **Clients and Users:**
  SBi, Eurocities

- **SMEs:**
  BBRI, Labein

Working Groups

- **Standardization**
  CSTB, Eccredi

- **Research infrastructures**
  SBi (Enbri)

3.6.2007
A new approach for the construction sector

The European Construction Technology Platform (ECTP) will raise the sector to a higher world-beating 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...
ECTP: The way forward

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

3.6.2007
Strategic Research Agenda
(Nov.2005)

Research priorities

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

FAAs SRA
**Selected Priorities (2007-13)**

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

3.6.2007

2006
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
FP7 project proposals

3.6.2007
Documents

Add a document  Add a folder  Modify this folder  Delete this folder

Classification | List of documents

Documents

0. FP7 2007 Proposals

- ENERGY 2007.3.1.1 Manufacturing industry; wastes and waste heat recovery and tra...
- ENERGY 2007.3.1.3 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

3.6.2007
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**
Eurekabuild Partners

- Austria
- Belgium
- Croatia
- Czech Rep.
- Denmark
- Finland
- France
- Greece
- Lithuania
- Netherlands
- Norway

- Poland
- Portugal
- Slovenia
- Spain
- Sweden
- Switzerland
- UK

3.6.2007

2006 - 2009
EurekaBuild workshops

- 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
EurekaBuild Newsletter

Newsletter No. 1

June 2008

Launching of three-year EurekaBuild Umbrella Project
September 2006
1st EurekaBuild Steering Committee Meeting held in Bruges
November 2006
EurekaBuild presented at the ECTP conference in Versailles

January 2007
1st EurekaBuild Workshop & Brokerage Event held in Rotterdam

Partners

Many of European Construction Technology Platform country members have a

EurekaBuild Newsletter No. 1 — May/2007

EurekBuild 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
companies and SMEs, research institutions and universities can make
and negotiate collaborations, and where they will receive relevant
information on how to set up an umbrella project.

Events will be organized by National Construction Technology Platforms in
close cooperation with the Focus Area Groups, EurekBuild members,
National Umbrella Secretaries and Public Representatives and
National Eureka Contact Persons.

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
Callenbach – EurekBuild Conference Technology Platform

The first EurekBuild brokerage event was held on January 22nd and 23rd in Rotterdam
and was successful. In total 75 people from 11 countries were attending this event.
The brokerage event was organized by the Dutch Construction Technical Platform
called Callenbach and the theme was "Towards a reliable and available public infrastructure.
Several keynote lectures were held to identify the needs for innovation in this field and to
collaborate with researchers from other countries who have presented their innovations by posters and
short oral presentations.

Also the Dutch national contact point Santamsterdam was invited to explain the
EurekBuild 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.eurekbuild.nl under the title "schedule of events."
EurekaBuild proposals

- **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

3.6.2007
National research projects
NTPs (~ 21 +7 countries)

- 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
- ...

3.6.2007
ERA-NETs project proposals
ECTP & ERA-NET (NMP)

- **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.

3.6.2007
ERA-NETs and ECTP

• 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)
ECTP: The way forward

• 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)
ECTP conference (19-20 Nov.07)

www.ectp.org