



EUROPEAN CONSTRUCTION TECHNOLOGY PLATFORM

ECTP

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Dragados
President of ENCORD
Chairman of SG (ECTP)

18/10/2004

Maastricht, October 14th, 2004

1



ECTP will take the sector to a
“**new and better**” **high level**, by
identifying and analysing the
major challenges in terms of
**society, sustainability, techno-
logy, competitiveness**, etc. and
by developing strategies for
how to address these
challenges in the coming
decades, in order **to fulfil the
society needs**.



18/10/2004

Maastricht, October 14th, 2004

2



Europe facing new challenges

1- Challenges in Europe

Ageing population

Social Protection

Health

Growth, activity and job recovery

Safety / security



Europe facing new challenges

2- Global competition



New technology

New products



JAPAN



Low wages



INDIA



TAIWAN



CHINA



Malaysia, Singapore, ...

High tech investment



Europe facing new challenges 3- Sustainable development



Environment

Pollution

**End of low
cost oil and
energy**

Water

**Greenhousegases
Climate warming up**



ECTP

...a new way to achieve Lisbon's goals

*put forward by the European
Construction Stakeholders
and fully supported by the Commission*

(Christos Tokamanis, Madrid, Oct.4th, 2004)



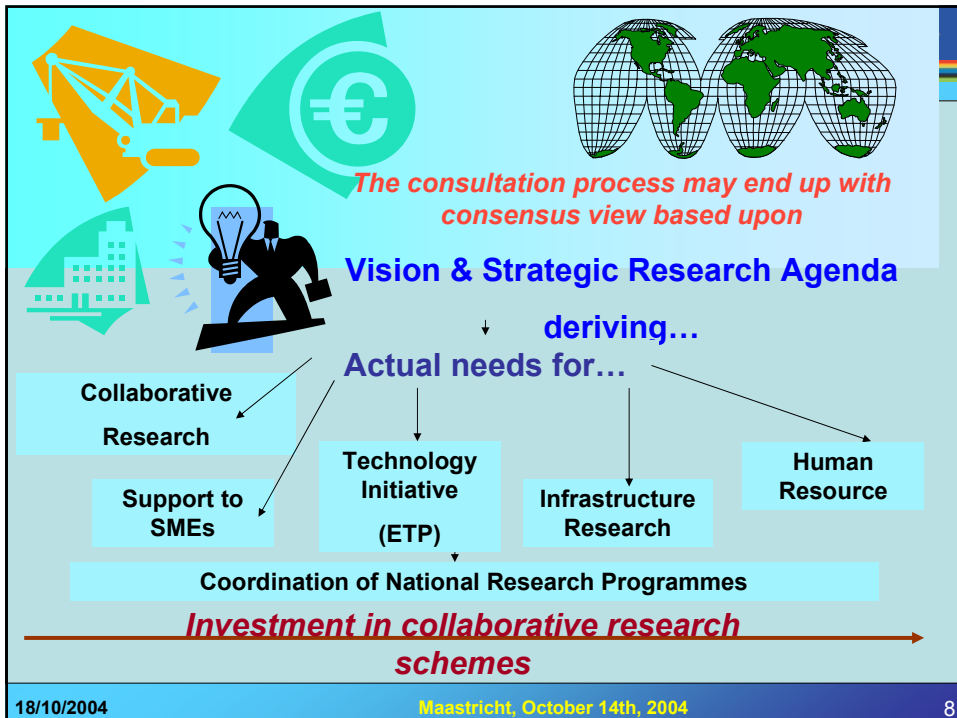
Lisbon Council : strategy for economic, social and environmental renewal by 2010

Barcelona Council : strategy for increasing RTD investment in Member States (3% GDP) by 2010

Spring European Council, 21 March 2003: focus on **Action** (investment on **Knowledge** creation, **Research** and **Innovation**).

Priority Action :

- Member state level; Policy level
- Sector/cluster level **through ETPs**





ECTP

- **all stakeholders in the construction sector**
- **new research partnership (funding)**
1/3 public
2/3 industry

Industrially driven

- **commitment of industries**



–Communication from the Commission

[COM(2004)353, Brussels 16.6.2004] on Science and technology, the key to Europe's future. Guidelines for future European Union policy to support research

–Report on ETPs

European Research Advisory Board, EURAB,
Jan.2004

– Working paper on Technology platforms.

**From definition to implementation of a
common research agenda**

DG Research, August, 2004



- Foster **public-private partnerships**
public research, industry, financial institutions, users,
regulatory authorities and policy-makers.
- Impact on **Community policies**
- **Industrial policy**, including **SMEs**
- **Sustainable development** (ETAP)
- **Social benefits** (societal dimension)
- **Regional dimension**: enhance networking
- **Training and education ...**



Stage 1: Emergence and setting up TP (Stakeholders getting together)

– **establish medium and long term visions**

– Membership:

- Industry ,
- Public authorities (Member States)
- Research / Academic community
- Financial community
- Civil society, including users and consumers

– Structure:

- Flexibility avoiding bureaucracy
- Networked approach : facilitate activities of existing networks and the creation of new ones
- Door open for new initiatives



Stage 2: TP Activities and deliverables

(stakeholders define a Strategic Research Agenda)

- Elaborate a **Strategy Research Agenda**
- Formulate a **deployment Strategy**
- Mobilise the **private and public investment**
- Assess the **cost/efficient and market potential of technologies** to be focussed on
- Identify challenges and actions related to **education and training**
- Establish an ongoing communication process
(**dissemination and communication**)



Stage 3: Research implementation (stakeholders implement the Strategic Research Agenda)

- **Open calls** of collaborative research (IPs, NoEs, ...), research infrastructures
- **Specific mechanisms** (**joint undertakings**) under Treaty Art 171: limited number of cases

... for the efficient execution of Community research, technological development and demonstration programmes” (Example: Galileo Joint Undertaking)

An examination of the various ETPs and the associated research agendas should be undertaken with the view to identifying those which the use of Art.171 could be appropriate



ECTP has to develop:

- **Vision 2030** of the construction sector , including medium term visions (2010, 2020)
- **Strategic Research Agenda** to reach this vision, influencing the European Framework Programmes and the National ones.
- **Proposals for research implementation**
(EC and Member States)
 - Existing tools (IPs. Streps, NoE, SSA, ...)
 - New tools (JTIs)

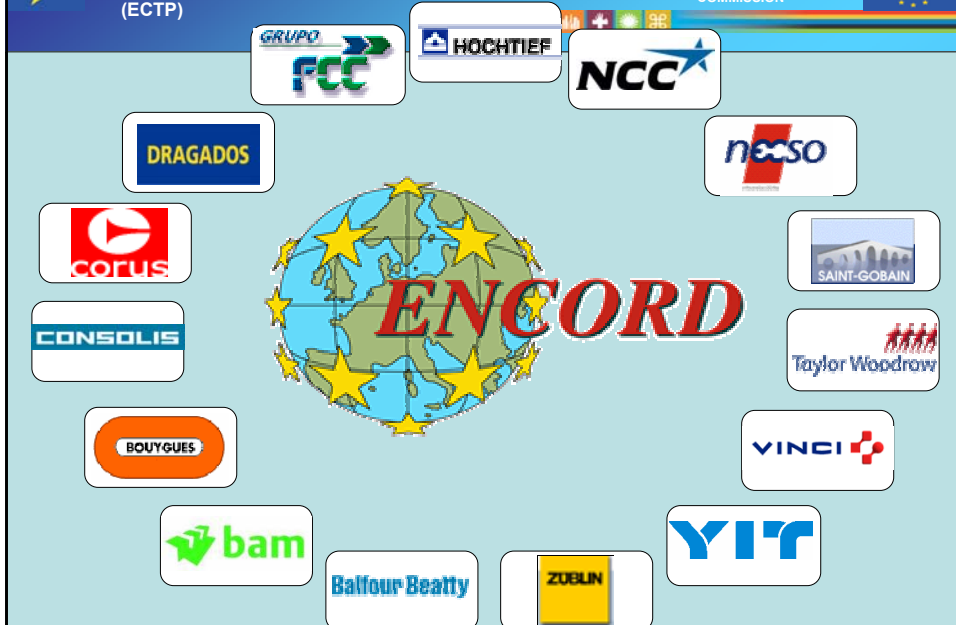


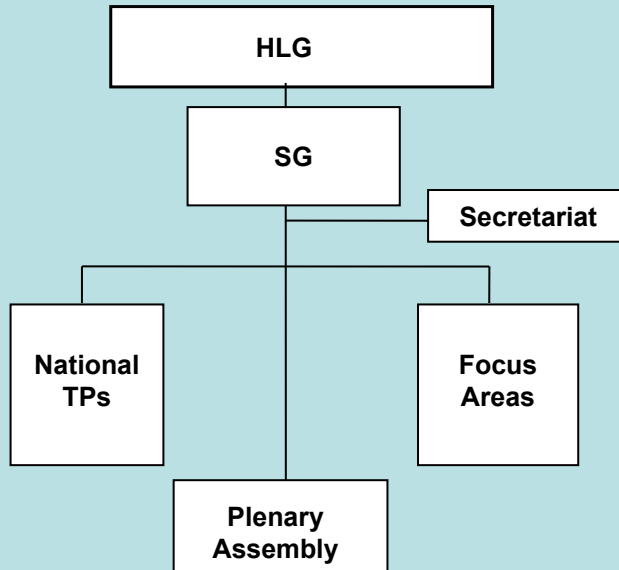
ECTP has to be the umbrella of different RTD initiatives at European and National levels:

- Existing research projects and networks
 - New IPs,
 - National Technology Platforms
 - Erabuild, ..
- that would feed-back input to ECTP



- Actions were initiated in 2003 (ECCREDI)
- Meetings with DG Research
E. Andreta, H. Pero, G. Katalagianakis, C. Tokamanis, C. Lesniak
- Key support EC officers
- Contributions: ENCORD, FIEC, ENBRI, ACE, ...
- July 12th, 2004: Formal starting of **ECTP** with the nomination of the President of ENCORD as chairman of SG.





High Level Group (HLG)

- **Senior decision-makers** representing the industry, Member States and the European Commission
- **Main Tasks**
 - Identify **challenges** to the sector
 - Develop and sign a **vision for 2030 and a SRA**
 - Decide on setting-up of **focus areas**
 - Develop **action plans**



- **Representatives of Members States**
- **Representatives of the EC**
- **Representatives of the Construction sector**
 - CEOs of construction companies
 - CEOs of suppliers (services, components, equipment)
 - CEOs of major design consultants
 - CEOs of major operators
 - CEOs of Financial organisations
 - Presidents of universities or research institutes
 - Major Clients
 - Presidents of Users Organisation

1st meeting
January 25th, 2005



Support Group (SG).

- Assists the HLG
- Develop the vision and strategy documents, from deliveries from the Focus Areas.

•Main Tasks

- Develop **Vision, SRA**, and other documents based on HLG discussions.
- Receive **inputs from Focus Areas, National TPs,**
- Dissemination strategy**
- Develop **terms of reference**



• **Industry representatives**

- Construction companies: Bouygues, NCC, Dragados, Necso, Soletanche Bachy, FCC
- Suppliers (materials, services, ...): Saint-Gobain, Corus, Heidelberg, EdF
- Designers: Arup, Evata
- Operators: Autostrade
- Research: CSTB, DBUR, BBRI, DWW
- End users/clients: EDF, ASM, Deltaneth, Erabuilt (Tekes)
- Link with Eccredi ←

1st meeting
Sept.14th, 2004

- **European Commission** – DG Research (Christophe Lesniak, ...), DG Enterprise, DG Environment,



Working Groups are established within SG for specific tasks.

- **WG Terms of reference**

Chairman of SG
FCC, CSTB, BBRI, Deltaneth, ASM, ACE

- **WG Vision 2030**

Chairman of SG
Necso, Saint Gobain
Dragados, Bouygues
Austostrade, DWW
NCC, Soletanche Bachy
Heidelberg, ...



Appropriate **links** are established with other ETPs, research projects, networks, organisations, either at SG level or at F.A. levels:

- **ETPs**: ERTRAC, ERRAC, Steel, Water supply, Manufuture, ...
- **Projects**: Tunconstruct, Manubuild, ...
- **Networks**: **E-core**, Erabuilt, Geotechnet, ...
- **Organisations**: Eccredi, Encord, Elgip, Enbri, ACE, CIB, RILEM, ...



The HLG has the possibility to set-up **Focus Areas** on areas of specific interest for the future of the construction sector.

- 4 F.A. focussed on specific field of applications.
- 2 F.A. on horizontal themes
 - integration / harmonisation
 - cover all fields of applications.

Main Tasks

- Arrange discussion forums, workshops, etc.
- Formulate visions and strategies in coordination with HLG and SG
- Report to the Support Group
- Disseminate all deliverables



	Cities and Buildings	Underground constructions	Networks	Cultural Heritage
	NECSO Saint-Gobain	DRAGADOS FCC	Autostrade DWW	(pending)
Quality of life (S&H&S) NCC Soletanche-Bachy				
Materials Heidelberg ... (pending)				



National Construction Technology platforms:

ASM, Deltaneth

Contacts with the existing NCTPs and promotion of new ones in other countries.

- Poland (26th of October, 2004)
- Spain (4th of October, 2004)
- The Netherlands, Finland, Denmark, UK, Slovenia...

ECTP ↔ NCPs



Plenary Assembly

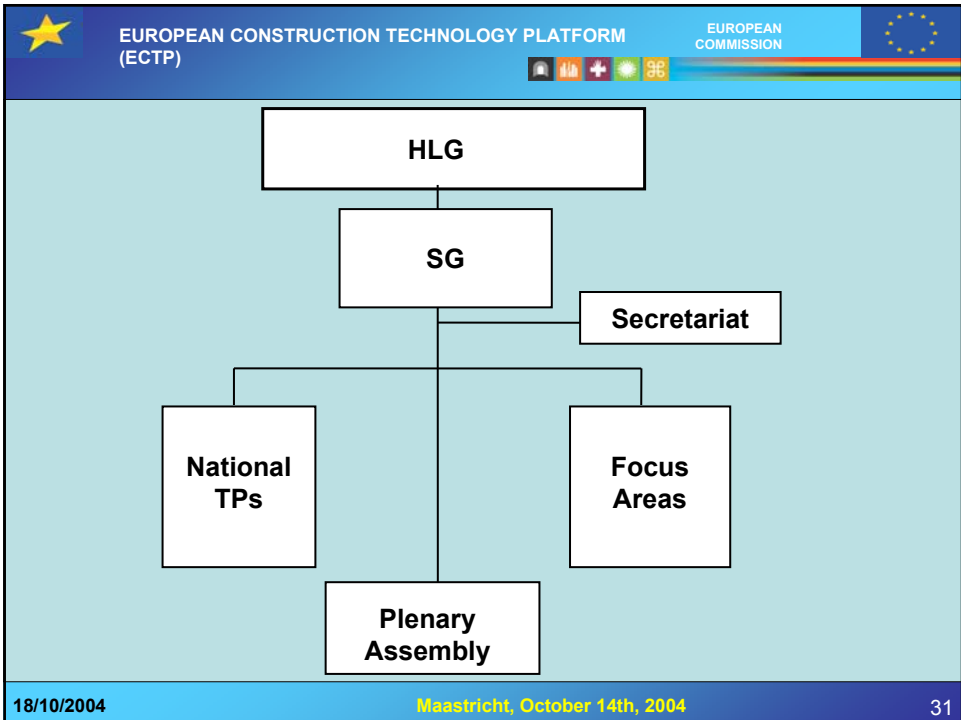
- All European stakeholders who are interested to join the ECTP will be members of this Platform through the Plenary Assembly.
- Access to the relevant working papers through the website, Contributions to ECTP through the Focus Areas.
- Annual meeting/conference
(**first one after summer 2005**)



A small **Secretariat** will provide administrative and financial support

Main Tasks:

- HLG and SG meetings
- Assist the chairmen of HLG, SG and Working Groups in preparing documents, etc.
- Web-site: www.b4e.org/etpconstruction; CIRCA
- Dissemination activities



EURO (ECTP)	DATE	EVENT	EUROPEAN COMMISSION
	October 14 th	Launching of ECTP at B4E conference 2 nd SG meeting (ToR, Vision 2030)	
	November 23 rd	3 rd Support Group meeting (ToR, Vision 2030)	
	January 25th, 2005	1st HLG meeting (ToR and Vision 2030)	
	February 22 nd	4 th SG meeting (Vision 2030, SRA)	
	March 30 th	5 th SG meeting (SRA, JTIs)	
	April 26th	2nd HLG meeting (SRA, JTIs)	
	June 14 th	6 th SG meeting (SRA, JTIs)	
	September 20 th	7 th SG meeting (SRA, JTIs)	
	October 25th	3rd HLG meeting (SRA, JTIs)	1st Plenary assembly
18/10/2004	November 22 nd	8 th SG meeting	

32



Working paper “Vision 2030“

(Oct. 11th, 2004)

- Preliminary work with inputs from several F.A.
- Distribution at B4E:
 - To give visibility of the initial work
 - To get the involvement of new members at ECTP



ECTP after Maastricht

- HLG meeting with J.P.
- New members: industries (SME, ...), users/clients, ...
- New focus areas
-
- A lot of work in this **exciting initiative** to be carried out by all the stakeholders under the leadership and commitment of the industry.





Funding:

- No public funding till now
- Some support from EC and MS is needed to covers ECTP costs with regard to:
 - Final version of Deliverables (Vision, SRA, ...)
 - Some travel expenses
 - Secretariat
 -



Thanks to:

ECTP Secretariat: BBRI has been supporting it. Recognition to BBRI director and his team (special mention to Myriam Olislaegers). After Maastricht, SG has to identify the appropriate team to support the Secretariat.

Organisers of B4E for given us the opportunity to announce formally **ECTP**



Presentation from some focus areas:

- **Cities and buildings:**
ACE & Saint-Gobain
- **Underground constructions**
Dragados & FCC
- **Quality of life (S&H&S)**
NCC & Soletanche-Bachy
- **Networks**
Autostrade & FEHRL