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

1- Challenges in Europe

Ageing population
Social Protection
Health

Growth, activity and job recovery
Safety / security

2- Global competition

New technology
New products
Low wages
High tech investment

USA
JAPAN
TAIWAN
CHINA
INDIA
Malaysia, Singapour, …
Europe facing new challenges
3- Sustainable development

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

The consultation process may end up with a consensus view based upon Vision & Strategic Research Agenda deriving...

- Actual needs for...
- Coordination of National Research Programmes

**Investment in collaborative research schemes**
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

– 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 …

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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**)
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. Katalagarianakis, 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
EUROPEAN CONSTRUCTION TECHNOLOGY PLATFORM (ECTP)

18/10/2004 Maastricht, October 14th, 2004

• **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

• **European Commission** – DG Research (Christophe Lesniak, …), DG Enterprise, DG Environment, …

1st meeting
Sept. 14th, 2004

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Work 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
  Autostrade, 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
### 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...

<table>
<thead>
<tr>
<th>Cities and Buildings</th>
<th>Underground constructions</th>
<th>Networks</th>
<th>Cultural Heritage</th>
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<tbody>
<tr>
<td>NECSO Saint-Gobain</td>
<td>DRAGADOS</td>
<td>Autostrade DWW</td>
<td>(pending)</td>
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<tr>
<td>Quality of life (S&amp;H&amp;S)</td>
<td>NCC Soletanche-Bachy</td>
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<tr>
<td>Materials Heidelberg ...</td>
<td>(pending)</td>
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</table>

18/10/2004 Maastricht, October 14th, 2004
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
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