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Building the European Construction Research & Innovation Area

Hellenic Days of Research and Technology

European Cooperation

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DG RTD-G.2

FP6 contributions & FP7 potential



The Construction Sector achieved:

- ✚ **Research coverage of their priorities by NMP / Sust.Dev./ IST / ENERGY/ENVIRONMENT with more than 116 construction running projects**
- ✚ **From the FP5 to FP6 have a successful **transition** from technology development to application and multidisciplinary solutions**
- ✚ **Enhanced its strategic position (ECTP & NTPs) in accordance with their economic significance**



FP7 Special features

7 years duration (cf. 5 years)

Increase of budget (per year)

Growth and Jobs supportive

***Simplified & Rationalised
(legislative, project life-cycle)***

Optimised Management of funds / Externalisation

***Links with
Competitiveness and Innovation Programme and
Structural Funds operations***



7th Framework Programme Content

4 Specific Programmes

1. *Cooperation* – Collaborative research

2. *Ideas* – Frontier Research

3. *People* – Human Potential

4. *Capacities* – Research Capacity



JRC (non-nuclear)

JRC (nuclear)

Euratom

9 Cooperation Themes

1. Health
2. Biotechnology
3. Information Society
4. Nano, Materials & Production
5. Energy
6. Environment
7. Transport
8. Socio-economic Research
9. Security & Space



Theme 4: Nanosciences, Nanotechnologies, Materials and New Production Technologies

Overall objective:

Improve the competitiveness of EU industry (incl. SMEs) and ensure its transformation through:

- *Transition from resource to knowledge-based industry*
- *Generation of breakthrough , applicable knowledge;*
- *Strengthening EU leadership in nano, materials and production technologies;*
- *Emphasis on integrating different technologies and disciplines across many sectors.*

Importance of Technology Platforms to help establish common research priorities and targets



Theme 4 NMP

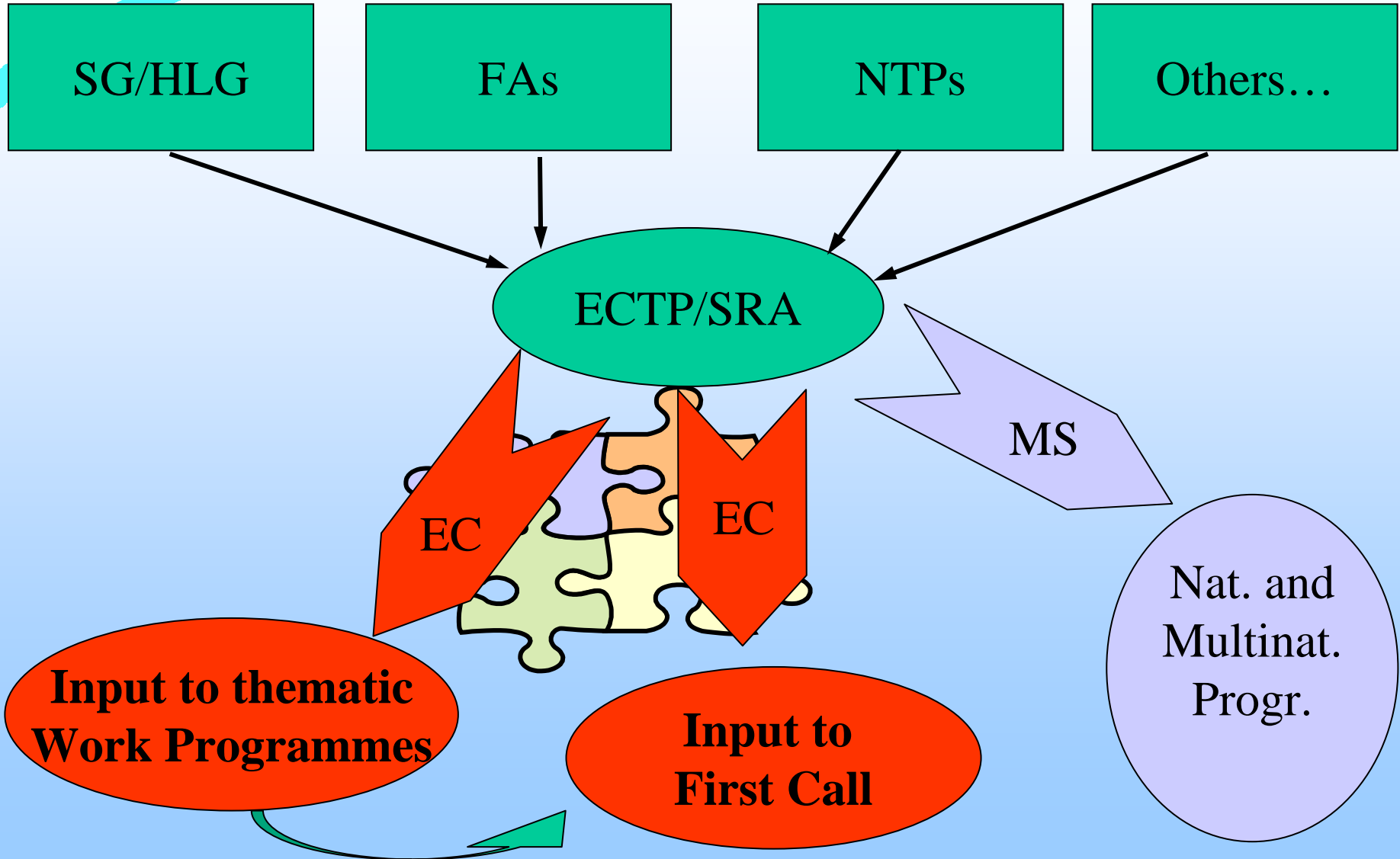
Four converging and integrating activities:

1. Nanosciences & nanotechnologies
- 2. Materials**
3. New production
- 4. Integration of technologies for
industrial applications**



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Priority Identification Process

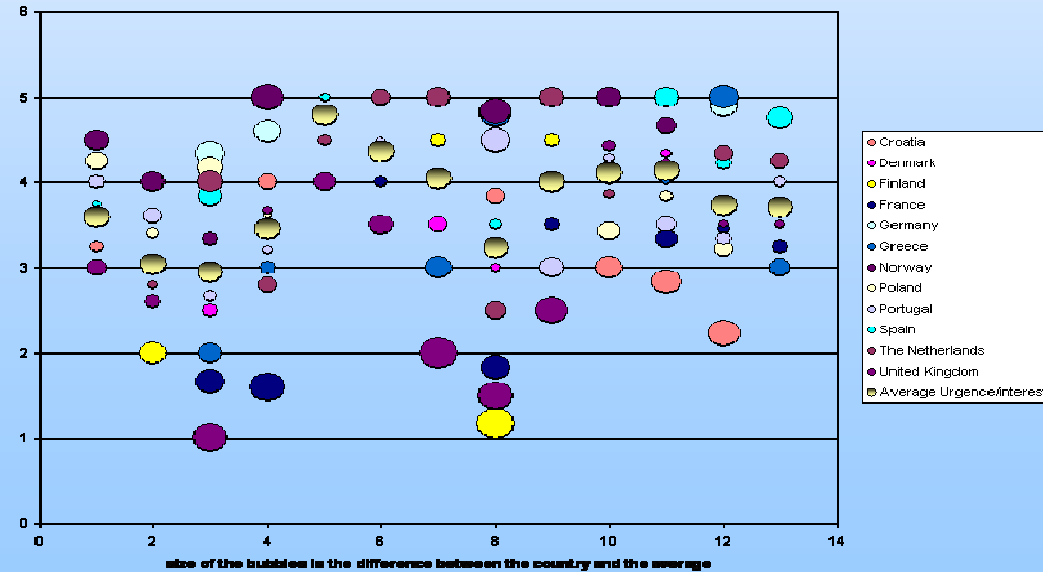




First results

- The following chart shows the specific interest / urgency of the countries and the average of all countries.
- The vertical axis represents the average values.
- The horizontal axis the different RA's. See the table for the numbers with corresponding RA's.
- The size of the bubbles indicates the difference between the countries opinion and the average opinion.

HTP views on research areas



Meeting Client/User Requirements	
1	Healthy, Safe, Accessible and Stimulating Indoor Environments for All
2	A New Image of Cities
3	Efficient use of underground city space
4	Mobility and Supply through Efficient Networks
Becoming Sustainable	
5	Reduce Resource Consumption (energy, water, materials)
6	Reduce Environmental and Man-Made Impacts
7	Sustainable Management of Transport and Utilities Networks
8	A living cultural heritage for an attractive Europe
9	Improve Safety and Security
Transformation of the Construction Sector	
10	A New Client-driven, Knowledge-based Construction Process
11	ICT and Automation
12	High Added-value Construction Materials
13	Attractive Workplaces



Overview 1/2

The Construction Sector has identified:

- ✚ **New technologies, concepts and high tech materials for efficient and clean buildings**
- ✚ **High Added Value Construction Materials**
- ✚ **Technologies for Healthy, Safe, Accessible and Stimulating Indoor Environments**
- ✚ **Reduce Environmental and Man-made Impacts on landscape and cities**



Overview 2/2

The Construction Sector has identified:

- ✚ **Improve Safety and Security**
- ✚ **New Integrated Processes**
- ✚ **A living Cultural Heritage for an Attractive Europe**
- ✚ **Underground innovative Construction technologies**
- ✚ **Sustainable Management of Transports and Utilities Networks**
- ✚ **Nanotechnologies for materials in construction**



Priority Contents

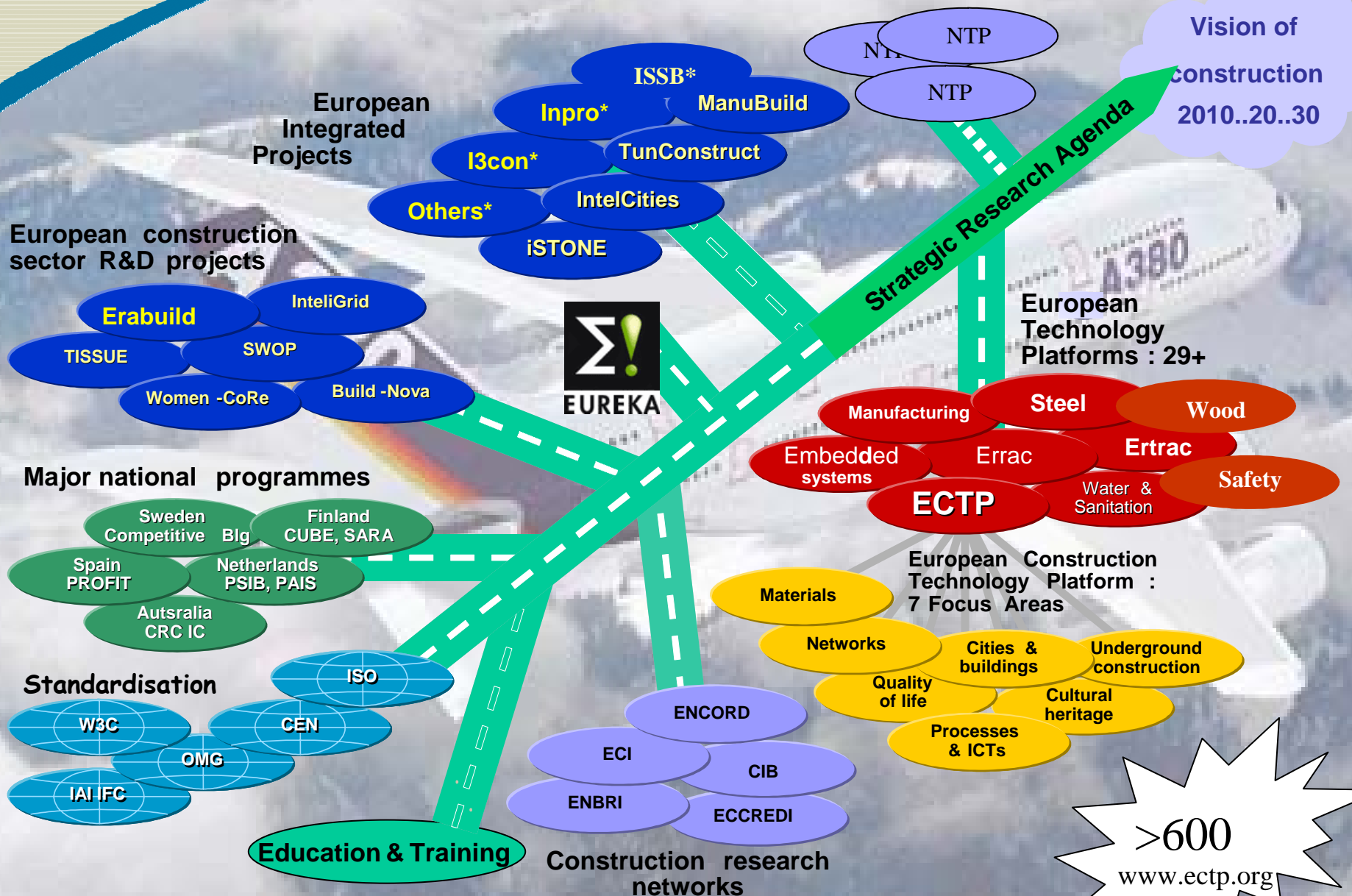
- ✚ Brief description of the topic and rationale at work programme level
- ✚ Main development issues and targets at work programme level
- ✚ Expected impact in quantifiable terms at work programme level
- ✚ Main industrial sectors expected to participate
- ✚ Amount suggested for the topic
- ✚ **Prioritisation** within the topics put forward in the SRA
- ✚ Possible coordination needs with other **FP7 themes**
- ✚ Elements to be included in the call
- ✚ State of the Art
- ✚ Vision/targets



Next steps

- **Joint agreement with TPs**
- **Sme's dedicated activities**
- **SRA Priorities selection**
- **Erabuild follow-up**

SRA in the FP7 CONTEXT



>600
www.ectp.org
 * negotiation



Relationships between the texts

**Framework
Programme 7**

- COM 'Building the ERA of knowledge...'
- COM staff working doc 'Simplification...'

**Rules of
Participation (Art 167)**

SP: Capacities

SP: People

SP: Ideas

SP: Cooperation

Simplified
contracts

Work
programmes

Information packs,
manuals for
participants...

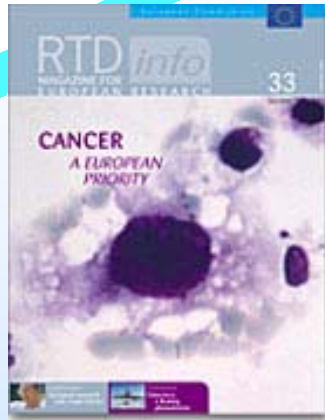
Call for
proposals

Theme 4 will have its own work programme



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Thank you for your attention



- <http://cordis.europa.eu.int/fp7/>
- http://europa.eu.int/eur-lex/lex/LexUriServ/site/en/com/2005/com2005_0705en01.pdf for the “rules of participation”
- http://cordis.europa.eu.int/technology-platforms/home_en.html