

European Technology Platforms

...a new concept

*...a new way to achieve Lisbon's goals
...priority for 2004 -2005*

put forward by the Members States and fully supported by the Commission

Launching of Greek Technology Platform
Athens 5 February 2005

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For the 7FP

*The consultation process
may end up with*

consensus view expressed in the

Vision & Strategic Research Agenda(s)

↓ **deriving...**

**Collaborative
Research**

**Actual thematic
priorities for...**

**Basic
Research**

**Support to
SMEs**

**Technology
Initiatives
(JETI)**

**Research
Infrastructure**

**Human
Resource**

Coordination of National Research Programmes

**Investment in Co-operative Research
schemes**





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Political references

Lisbon Council

Barcelona Council

Spring European Councils :

Invest on Knowledge creation, Research and Innovation.

Priority Actions:

Member state level

Policy level

Sector/cluster level *through European Technology
Platforms*





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Political references

Commission Communication

“ Investing in Research:an Action Plan for Europe” adopted 30 April 2003 putting forward an action plan.

Commission Staff Working Document

annexed to the Communication presenting:

R & TD investment for Growth

Developments in national policies towards Barcelona

Response from business sector

Contribution from 6FP

Approach to the open method of co-ordination

European Technology Platforms

Supply chain of human resources





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Political references

The **Kok report on the Lisbon Strategy** has identified (1)

“increasing Europe's attractiveness for researchers and scientists” and
“making R&D a top priority”

among the policy areas requiring urgent action.

(1) http://europa.eu.int/comm/councils/bx20041105/kok_report_en.pdf





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What is an European Technology Platform?

Initiative for **mobilisation of stakeholders** (research, industry and regulatory and finance stakeholders, public and private bodies) sharing an **European long-term vision** on high impact sectors or leading technologies;

Primary output: European **Strategic Research Agenda for the next decade(s)** with recommendations for its implementation;

Final goal: to achieve EU industrial leadership & meet society's needs through investment in RTD.





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A new way of Governance

Provide an **open mechanism** and consensus building process;

Joint initiatives by industry, Members states and Commission, with wide scope (*beyond RTD*);

Foster co-operation and synergy among public authorities, users, regulators, industry, consumers etc.;

Optimise the use of instruments and resources to **encourage investment** in research and innovation;

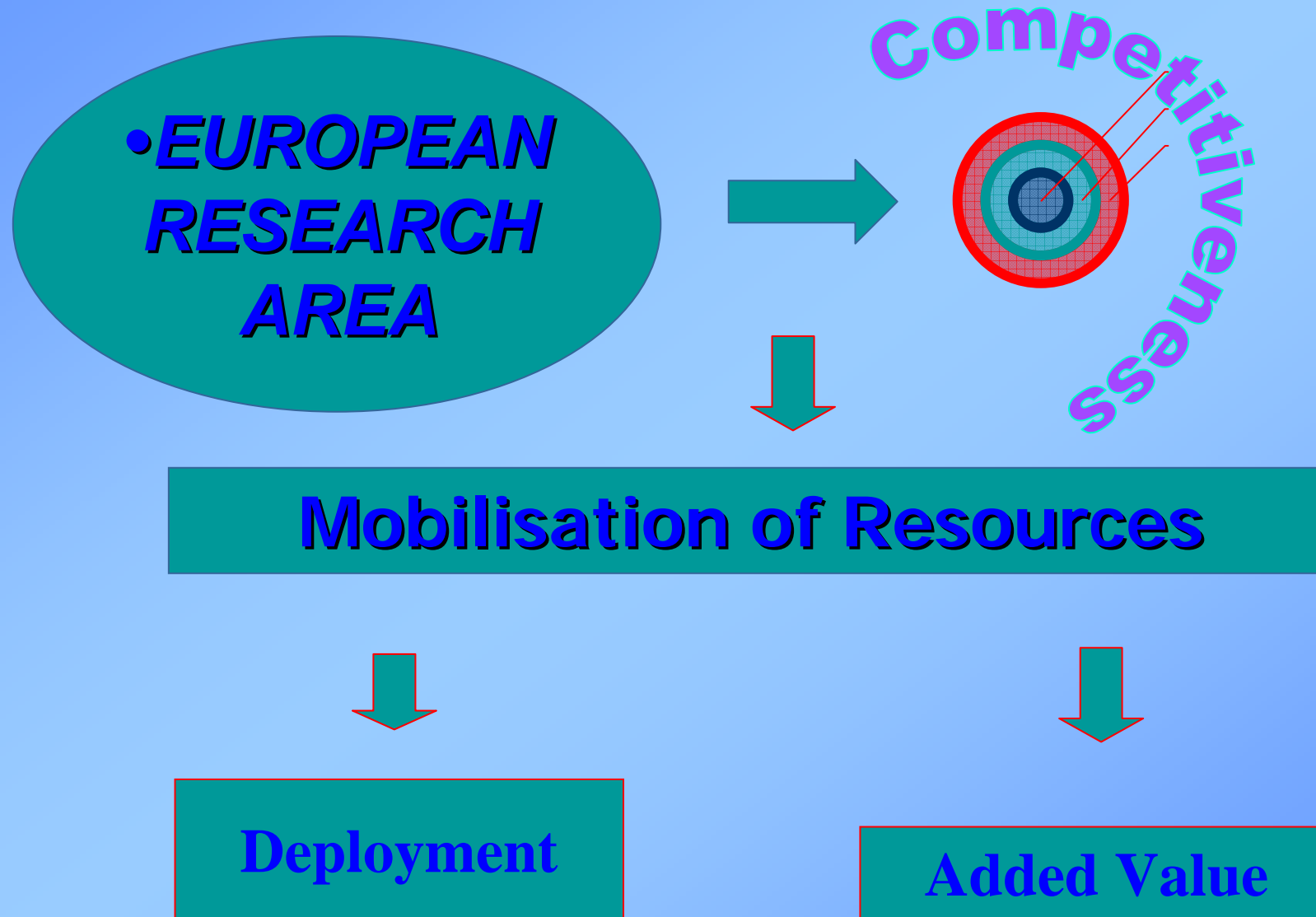
Support the **coherent** implementation of different policies (industrial, environment, research, education, etc);

Provide a mechanism to **overcome barriers** (norms, regulation, standards, safety, incentive measures, social acceptance etc) **to innovation**;

Strengthen and organise EU research – ERA.



•Elements of Technology Platform (1)



•Elements of Technology Platform (2)

■ **STREAMLINE RESEARCH
EFFORT with INVESTMENT**

AIMS

■ **ESTABLISH FAVOURABLE
CONDITIONS FOR
ENGAGEMENT**



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•Elements of Technology Platform (3)

STRUCTURE

•KEY
STAKEHOLDERS

•BUILT-UPON EXISTING
INFRASTRUCTURE





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•Elements of Technology Platform (4)

FUNCTION

- JUSTIFIED PURPOSE**
- AUTONOMY**
- REPRESENTATION**
- OPEN and CONSENSUS
DRIVEN**



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•Elements of Technology Platform (5)

•FINANCIAL
RESOURCES

MEANS

•EXISTING INSTRUMENTS
•LEGAL ENTITY (JETI)
(JOINT UNDERTAKING
Art.171,169)

•VISION
•SRA





•Elements of Technology Platform (6)

RESEARCH IMPLEMENTATION

- EXISTING INSTRUMENTS of FP 6
- NEW MECHANISM (JOINT UNDERTAKING Art.171)
 - Joint European Technology Initiatives (JETI)*

Stages/Criteria for approval

- Scientific and Technological excellence*
- Economic benefits and returns*
- *European Added Value*



Some ETP – examples-

- **Radical Change in a Sector**
Hydrogen & Fuel Cells, Nanoelectronics, Nanomedicine
- **Sustainable Development**
Water Supply and Sanitation, Plant Genomics and Biotechnology, Sustainable Chemistry, photovoltaic, renewable products from forestry resources, Rail Maritime & Road transport
- **Public Goods and Services**
Innovative Medicines for Europe, Mobile and Wireless Communications
- **Strategic, High-Technology**
Aeronautics, Embedded Systems, Space
- **Industrial Renewal**
Steel, Textiles & Clothing, Forest/wood Pulp & paper, Manufuture, Construction

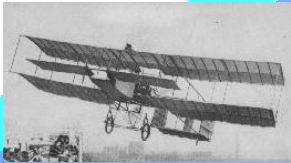
European Construction Technology Platform

www.ectp.org



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Why a Construction platform ?



64 years



20 years



People & materials & time



People & materials & time



People & materials & time





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Construction ETP Organization

**High Level Group
HLG**

~400 part.
www.ectp.org

**Support Group
SG**

National TPs
PL, NL, UK, FI..
(~ 15)

Secretariat



Cities and Buildings
Buildings
Urban issues

Civil infrastructure
Underground
Construction

Quality of life
Sustainable
Construction
Health &
Safety

Networks
Rail,
Road,
Water
gas....

Cultural Heritage
Outdoor..

Materials
Composite
ceramic
cement steel
stones...





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ECTP - 3 Stages -

1: Stakeholders getting together VISION 2030

2: Stakeholders define a strategic research agenda SRA

3: Stakeholders implement the SRA





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European Construction Technology Platform



Greek Construction Technology Platform

Athens 5 February 2005





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Possible National Platforms

Poland



Denmark



Spain



Greece



Netherlands



Norway



Finland



Sweden



United Kingdom



Swiss



France



Slovenia



Belgium



Czech





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National Construction TP (i)

At EU level to enhance openness, participation and reduce complexity:

Set up links & new participation in ECTP

Improve the awareness of the ECTP at National level

Collaborate for the ECTP, vision 2030, SRA & roadmap

Promote the creation of new National TPs (best practices)

Disseminate the ECTP Outcome within all MS

Involve & represent National authorities in the ECTP





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National Construction TP (ii)

At National level a key role for a real impact:

Set up links with regional & local stakeholders

Improve the involvement of SME's (drivers of innovation);

Define better a complete list of research needs;

Implement a dedicated training & education strategy;

Feedback to ECTP level (eg. National Social acceptance and awareness of actual needs...)

Identify & involve National/Regional research programmes;

Identify the gaps between National & EU regulations & policies that s will enhance innovation;

Bring at ECTP level only if there is an EU added value;

Identify and enhance National financial support schemes.....





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Summary

- **ETP is a consensus building process for Strategic Investment in Research, Education/Skilling and Innovation**
- **ETP is an Industrial/Governmental forum of Europe's Industrial and Policy leaders deciding the true relationship between research and economic growth**
- **ETP is a recommended plan of research activities for individual or collective use as well as for European or National implementation**





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THANK YOU
FOR YOUR ATTENTION



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