

ECTP

European Construction Technology Platform

CIR-gruppens seminarium
10 oktober 2006

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EU Directorate General Research Ramprogram

4	94-98	Brite-Euram SMT	Production Materials	Små
5	98-02	Sustainable Growth	Innovative Quality of life	Små
6	02-06	Strengthening the scientific and techn. basis for industry	Nanotechnology Multifunctional	IP NoE ERA
7	07-13	Building the Europe of knowledge	Sector National input Business driven	IP ERA JTI

ETP – European Technological Platforms

Drivs av sektoraktörer

Medlemsländer deltar i mirror groups

30 – tal ETP

Central för bygg: ECTP (initiativ av ENCORD)

Även: ERTRAC

ERRAC

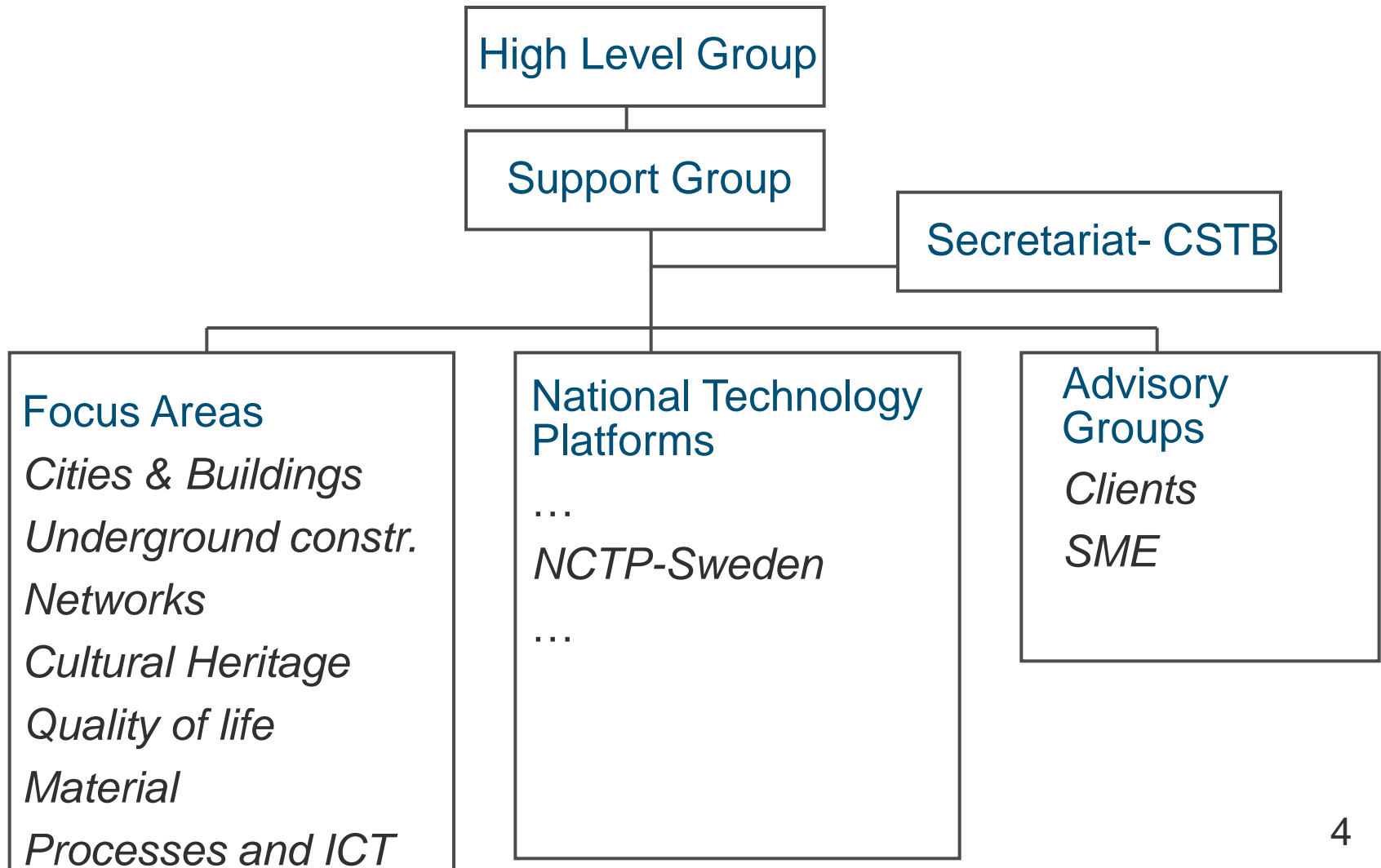
Stål

Trä

Produktionsteknik

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Organisation



ECTPs leveranser hittills

- Bygg i EU DG Research
- Vision 2030 – Challenging and changing Europes built environment
- SRA – Strategic research agenda for the European construction sector
- Fiches – RTD topics as proposed by the ECTP Drafting panel
- Initiativ till EurekaBuild
- 2 st JTI. Jules Verne och Building Energy Efficiency

- Nätverk
- Information

SRA – Strategic Research Agenda

- Meeting users/clients requirements
- Becoming sustainable
- Transformation of the sector

ECTP – Fiches. SRA 2.1

New technologies, concepts and high tech materials for
efficient and clean buildings

Total: 130 M€ (EU 50 - Industry 80)

Highest priority

Retrofit of existing buildings	25 M€, B
Indoor climate, energi consumpt. storage	25 M€, B
Design tools	25 M€, M
Monitoring and service life	25 M€, B
Manufacturing processes	25 M€, M

Priorities

Highest:

- New technologies, concepts and high tech materials for efficient and clean buildings 5

High:

- Innovative Use of Underground Space 3
- Sustainable Management of Transports and Utilities Networks 3,3
- High Added Value construction materials 4
- Nanotechnologies in Materials for Construction

High-medium:

- Reduce Environmental and Man-made Impacts of built environment and cities 3,9
- Improve Safety and Security within the Construction Sector 3
- New Integrated Processes for the Construction Sector 3,5
- Innovative added-value services offered by SMEs

Priorities

Medium:

- Technologies for Healthy, Safe, Accessible and Stimulating Indoor Environments for All 3,5
- A Living Cultural Heritage for an attractive Europe 3,5

Svenska intressenter i SRA-områden

2.3.2 Monitoring performance

- Identification and integration of the minimum number of significant parameters and their measurement;
- Integrated long-term monitoring of materials and components for new and existing infrastructures based on innovative, cost-efficient wireless sensors using bio or nano-technologies;
- Development of integrated life-cycle assessment systems combining cost-efficient and easy-to-maintain sensors, monitoring and performance prediction systems, and covering all stages of construction control, asset management, and optimisation of maintenance;
- Risk-based inspection regimes for low impact on demand and costs;
- New testing methods for early detection of damages; new non-destructive, automated, inspection/testing techniques to control, identify, localise and monitor structures and infrastructures, even those that are buried, with minimal impact on traffic and supply.

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EurekaBuild

- Marknadsnära
- Bottom-Up dvs. projektinriktat
- Nationell finansiering enbart
- Vinnova i Sverige

- Paraply - EurekaBuild

Finansiärer av forskning och innovation

Nationell Multinationell EU Global

Univ. ERC
Forskningsråd

Grund

Tillämp.

Forskningsråd	ERA-net	ETP	Ad hoc
Myndigheter	ERA-net+	7th FP	
Företag	Art. 169		
Fonder	Eureka		
	NICe		NCTP-Sweden