



Standing Committee «Knowledge and Technology » Tak Force 1. « R&D at European level »

Athens meeting
19-20 October 2007

G.Pilot (CNISF. France)

What's about R&D at European level?

- **ECCE positions**
- **EU Commission**
 - Decisions on 1st call for proposals
 - Preparation of the 2nd call for proposals
- **ECCREDI**
 - Contribution to ECTP
 - ECCREDI Newflash
 - Standardization
 - Collect of information (1st and 2nd call)
- **ECTP**
 - Implementation plan of Strategic Research Action
 - Eureka Initiative
 - Amsterdam conference
 - Reorganization
- **ECCE.....what could we do together?**

ECCE Positions

- **ECCE member of ECCREDI**
 - Participation in Council meetings
 - Answers to documents
- **ECCE, as ECCREDI representative in ECTP Support Group**
 - Documents!
 - Participation in meetings (June, September)
 - Notes (Minutes, re-organization)
 - ECCREDI conference in Versailles (2006), Amsterdam 2007 ?

EU Commission. R&D Directorate

Follow-up of FP7.....Confidential!

– 1st Call. First results for NMP (Cf ECCREDI slide)

All together, 1 217 proposals received

- Large+Medium. NMP 4.0.5 « Resource efficient buildings »
19 proposals submitted, 7 accepted for 2nd stage
- SME's : 57 proposals dealing with 6 topics opened.
NMP 4.0.6 « Innovative added –value construction product-services ». 27 proposals submitted, 10 accepted for 2nd stage.

- 2nd Call under preparation!

Working programmes at EU members (Cf ECCREDI slide)

EU Research Directorate booklets

- **CORDIS focus Newsletter**. N° 279. Juin 2007
 - Evolution of research in EU political Agenda
 - Launching european programme for all long life education and formation
 - European Research Advisory Board seeks for use of structural funds, etc..
- **Research EU** N°53. Septembre 2007
 - Health : new viruses
 - Environment: Biodiversity in the heart of ecosystems
 - Re-launching « European Research Area (ERA)
 - Supersonic air transport, etc..
- **ETHICS for RESEARCHERS**
 - **Facilitating Research Excellence in FP 7**

ECCREDI Actions (1)

- Contribution to ECTP
 - ECTP Support Group (S. Steedman, G. Pilot)
- Follow-up of FP7:
 - Preliminary results of NMP 1st Calls
(Un-official information)
 - Study of FP7 Working programmes for 2nd Calls
(Un-official information)
- Standardization

EU DG Enterprise : « Standardization and its relation to Research Development and Innovation ». FIEC contribution.

ECCREDI Actions (2)

Information on FP 7 1st Call results

- *About 1.217 submitted for NMP Large, Small and SME Projects.*
- **NMP 4.0.5 : Resource efficient buildings**
 - 19 projects submitted, 7 accepted for second step of submission
 - MESSIB (*Acciona*), Buildskin (*Keraben*), Cost-Effective (*Franhauser ISE*), H2 SUSBUILD (*D'appolonia*), CLEAR UP (*Tuebingen University*), ENEF (*S&B Industrial minerals*), ECOAIR (*PERA*).
- **NMP 4.0.6 : Innovative added-value construction products-services**
 - 27 projects submitted, 10 accepted for second step of submission
 - SMALLER (*FUTUREtec*), Façade plus (*D'appolonia*), STONECORE (*IngenierbüroDr Ziegenbalg*), iHomeostasis (*Un. Karsruhe*), MICROLITION (*PERA*), VACBLOCK (*PERA*), H-KNOW (*Patrimonio y restauracion*), Aurélie (*Un. Stuttgart*), EASIE (*Intitutut für Sandwichtechnik*), MEMSCON (*Inst. Of communication and computer Systems, Athens*).

ECCREDI Actions (3)

Draft Working Programmes on FP 7, 2nd Call (1)

- ***NMP: Nanosciences, nanotechnologies, Materials and new Production technologies***
 - NMP-2008-3.4-2 Industrialization through new integrated construction processes
 - NMP-2008-4.0-8 Smart materials for applications in the sectors of construction and of machinery and production equipment
 - NMP-2008-4.0-6 Innovative concepts and processes for strategic mineral supply and for new high added value mineral-based products
 - NMP-2008-4.0-9 Reducing the risk of injury in complex systems through advanced personal protective equipment

Draft Working Programmes on FP 7, 2nd Call (2)

- **Environment**

- ENV.2008.1.3.1.1. Development of a common methodology and tools to evaluate earthquake hazard in Europe
- ENV.2008.3.1.3.2. Technologies for high added value production from waste
- ENV.2008.3.1.5.1. Innovative environmental technologies including design concepts and materials for the reduction of damage (of the built environment) to the environment
- ENV.2008.3.3.2.1. Sustainability Assessment of Technologies

- **Cultural Heritage**

- ENV.2008.3.2.1.1. Development and application of methodologies, technologies, models and tools for damage assessment, monitoring and adaptation to climate change impacts (excluding extreme events)
- ENV.2008.3.2.1.2. "EU cultural heritage identity card"

ECCREDI Actions (3)

Draft Working Programmes on FP 7, 2nd Call (2)

- **Transport**

- SST.2008.5.1.1 *Advanced and cost effective infrastructure construction, maintenance and monitoring*
- SST.2008.1.1.7. *Attenuation of vibrations and vibration-induced noise affecting residents near railway lines*
- SST.2008.2.6.1. *Intelligent highways*

- **Energy**

A new WP will be available in spring 2008

European Construction Technology Platform (1) Strategic Research Agenda. Implementation Action Plan

- **Objectives**

To select the more important and urgent areas to deal with 2007-13

- **Content**

- A. Technologies for Healthy, Safe, Accessible and Stimulating Indoor Environment
- B. Innovative use of Underground Space
- C. New Technologies, Concepts and High-Tech Materials
- D. Reduce Environment and Man-made Impact of Built Environment and Cities
- E. Sustainable Management of Transports and Utility Networks
- F. A living Cultural heritage for an Attractive Europe
- G. Improve Safety and Security with the Construction Sector
- H. new Integrated Processes for the Construction Sector
- I. High Added Value Construction Methods

- **Ways for Implementation**

- EU Research Programmes
- National Programmes (National Technology Platform?)
- EurekaBuild Projects

ECTP (2)

EUREKA Umbrella project: EurekaBuild (E!3790) Technologies for a sustainable and competitive sector

- June 2006. EurekaBuild OK to prepare Eureka projects (NTPs)
- November 2006: EurekaBuild at Versailles conference. Ideas
- 2007: Several « Workshop and Brokerage event »:
 - May 2007. Athens: Sustainable Built environment, Cultural Heritage
 - June 2007. Telc: Advanced building materials and Technologies »
 - November 2007. Valencia: Nano-materials and technologies for construction applications.
 - January 2008. Poznan: ICT
- Increasing ideas of projects: 160 in June 2007
- 2 EurekaBuild projects:
 - STACON (E!4078): Stabilisation and solidification of contaminated sediments and other dredged materials (Norway, Sweden).
 - GEOSUITE 2 (E!3972): a software for geo-community in Scandinavia and abroad (Norway).

ECTP ⁽³⁾

3rd ECTP Conference. Amsterdam 19-20 November 2007

- **Major ECTP public event** in 2007
- **First day : ECTP developments at European level**
 - Past, present and future of construction issues within FP7
 - ECTP presentations
 - Brokerage events on FP7 proposals
- **Second day: Synergy between national and regional strategies**
 - National Technology Platforms
 - EurekaBuilt and ERA-NETs
 - Brokerage session on Eureka proposals
 - Experiences from some major projects
- **Fees** : 550 € (31 October)
- **Registration:** www.ectp.org

ECTP ⁽⁴⁾

Reorganisation of the Support Group

- **EU Contract used for ECTP functioning is finished .**
How to get money? Subscription of fees by ECTP members?
- **Jesus Rodriguez leaves the Support Group.**
A new Chairman. A different style?
- **ECTP has already produced major contributions Vision 2030, SRA, SRA Implementation Plan**
- **New objectives to be defined**
- **>> A quite different structure...due to participants fees?**
 - A General Assembly (Several categories)
 - A new Support Group, or Executive Committee with new rules
 - Focus Areas or/and Working Groups
 - Rules for fees (Big firms, SMEs, Research Institutes, Associations)
 - Which ECCE Position?

What could we do together in the future?

- **ECCE Members expectations**
 - General Information as usual on EU operations, on ECCREDI and ECTP
 - Synthesis from the FP7 Works Programmes, 2nd Call in November.
 - Etc...
- **ECCE SC Chairman and V/Chairman expectations**
 - Their own involvement in the activities of the WG R&D ?
 - Integration with the 2 other WGs
 - More information sent to ECCE members and to Website?
 - More ECCE contributions in ECCREDI, ECTP, other European actions (Question of funding?)
 - Etc...
- **First set of possible ways.**
 - > Friends.....up to you to discuss and to decide!