



## CIB TG85: R&D Investment and Impact

### Outcomes of Webex 4 - 12<sup>th</sup> June 2012 (5-6pm Brisbane, Australia time)

**Attendees:** Bakens, Wim; Bougrain, Frédéric (speaker); Dewulf, Geert; Hampson, Keith (Coordinator); Kadefors, Anna; Sanchez, Adriana; Thomas, Ken.

**Apologies:** Bröchner, Jan; Chi, Seoko; Cunningham, Peter; Haugbølle, Kim; Kraatz, Judy; Lehtiranta, Liisa; Leiringer, Roine; Mikkonen, Virpi; Robinson, Aminah; Slaughter, Sarah; Tuomo, Poutanen; van Egmond, Emilia; Wilkinson Suzanne.

**PRESENTATION** - [Frederic Bougrain, CSTB, France - R&D and Innovation in Construction](#) (click to view)

- Definitions, concepts and aspects of R&D;
- Though the Frascati manual can be applied to the industry, is not completely appropriate for construction and design activities;
- Informal R&D is very common in design and construction industry. Sometimes companies might do R&D without knowing;
- Two models for doing R&D: (i) linear model – simplistic model (post WWII); and (ii) chain linked model – more complex, closer to reality and includes important step of learning between activities and feedback loops;
- Traditional focus on buildings and engineering works, but important to include upstream (e.g. manufacturing and architectural and technical consultancies) and downstream (e.g. FM and real estate) activities;
- Architectural/technical consultancy - challenging to know what activities qualify as R&D. This sector performs R&D at project level and in an incremental manner (dominance of organisational innovation);
- Inputs to innovation from European survey broken down by firm size;
- Some companies have developed award competitions open to employees to motivate innovation.

#### *Discussion*

- Importance of defining and agreeing on a common definition of R&D and innovation (and their linkages).

## TG85 PUBLICATIONS

### *General*

- It would be useful to include a section in the first chapter to describe R&D in Construction, definition and impact on country budget, etc – see proposed structure Section 2.1;
- Intention is that the *WBC13 individual papers* inform the *TG85 Industry Publication* which in turn informs the *CIB book chapters*.

### *WBC13 Individual papers*

- Lead authors will need to facilitate the production of the abstract (one pager);
- We will submit an abstract for an overarching publication for the WBC13. However, **country authors are encouraged to submit their individual authored papers as well**;
- If enough members submit their individual authored papers for the WBC13, TG85 can have a session from which an additional TG85 publication could be produced.

### *TG85 Industry Publication (For launch at WBC13)*

- To include: (i) Executive Summary (4-8 A4 pages total) including 1-2 pages on definitions; and an Online Publication (3-5 pages per country).

### CIB TG85 Book

- Lead authors to coordinate country input;
- The focus on the chapters should be firstly, on significant research initiatives at national level (starting by large publicly funded activities), that can be evaluated as a program. However, it will depend on the information available. Therefore, we ought to be flexible with the content of the chapters (e.g. for some countries it might make more sense to do the analysis at a conceptual level);
- Refer to Book structure spreadsheet for country and author details.

### KEY DATES

- **30 June 2012** - Members submit individual authorship papers – [submit abstracts to WBC13](#)
- **24 July 2012** - one pager to Adriana Sanchez (~300 words) describing their intended TG85 chapter (can be similar to abstract for WBC13)
- **12 Sept 2012** - Send first chapter draft to Adriana Sanchez – NOTE - this forms part of the *WBC13 Industry Publication*
- **5 Oct 2012** – WBC13 Full Papers due
- **22 Feb 2013** – WBC13 final papers due
- **5-9 May 2013** – WBC13 in sunny Brisbane!

## Timelines



### NEXT MEETING

- Tuesday, 7<sup>th</sup> August 2012