CIB TG90: Information Integration in Construction (IICON)

Outcomes of WebEx 1 - Wednesday, 26 November 2014 (4.30 pm Perth, Australia time)

Attendees: Bakens, Wim; Bröchner, Jan; Claeson-Jonsson, Christina; Edum-Fotwe, Francis; Forman, Marianne; Hampson, Keith (Coordinator); Haugbølle, Kim; Lindahl, Göran; Lupica Spagnolo, Sonia; Meistad, Torill; Sanchez, Adriana (Coordinator); Rempling, Rasmus (Coordinator); Støre Valen, Marit; and Youngsoon, Jun.

TG90
Introduction to initial members

- Wim Bakens is the Secretary General of the CIB (Netherlands) and he is interested in this task group because the CIB is changing into a producer and provider of information to built environment stakeholders.
- Jan Bröchner is a Professor at Chalmers University (Sweden) and his experience is in relations between organizations as well as procurement in construction and facility management, among other areas.
- Christina Claeson-Jonsson is an adjunct professor at Chalmers University and R&D Director of NCC (Nordic region construction company). She is involved in research around information integration, collaboration, procurement and people.
- Francis Edum-Fotwe directs the program on construction management and construction business management at Loughborough University (UK). He is involved in research around information modelling and integration. He is interested in questions such as how do we integrate information across asset management to achieve better outcomes.
- Marianne Forman is a PhD Candidate at SBi - Aalborg University (Denmark) and she has done research into innovation in temporary housing and sustainability tools.
- Keith Hampson is the CEO of SBEnrc (Australia) and is one of the TG90 Coordinators. He is currently doing research into building information modelling benefits and metrics.
- Kim Haugbølle is a Senior Researcher at SBi - Aalborg University (Denmark) and is the Coordinator of the CIB Working Commission W118 on Clients and Users. His background is in engineering and political studies. His research interests focus on procurement, building performance, life cycle economics and environmentally sound design.
- Göran Lindahl is a Professor at Chalmers University (Sweden) and conducts research in construction management.
- Sonia Lupica Spagnolo is a Research Fellow at the Polytechnic of Milan (Italy) and is doing research in building systems and processes, and construction management. She is working in a project founded by the Italian Government focused on developing a database of building processes.
- Torill Meistad is a PhD candidate at NTNU (Norway) and she is doing research on energy performance of buildings and how the construction industry acquires new knowledge around sustainable construction practices.
- Adriana Sanchez is one of the Coordinators. She is a research associate at SBEnrc (Australia) and is currently working on a project on Building Information Modelling (BIM) value realisation and measurement. Her background is on sustainable resource management and policy.

- Rasmus Rempling is one of the Coordinators; he is an Assistant Professor at Chalmers University (Sweden) and is currently doing research into structural engineering and building and design processes. His background is in structural engineering.
- Marit Støre Valen is a Professor at NTNU (Norway) and does research on building processes and refurbishment of existing buildings.
- Jung Youngsoo is a professor at Myongji University (South Korea) and his research interests include project delivery methods, information systems in construction management; especially CIC and BIM.

Task Group Scope and Objectives

- The objectives were briefly summarised and members were invited to read the group description. Comments and questions are also welcomed via email to the coordinators.
- The objectives will be used to develop the scope of the group's activities. It was proposed that these should be reviewed every 6-12 months in order to ensure that the activities are in line with the objectives approved by the CIB, or whether they need to be refined as the group evolves.
- The group expressed interest on the topic, highlighting that it is timely and relevant, and that they are looking forward to collaborating.
- The CIB published an article about the TG90 and its coordinators, highlighted as one of the most interesting new Task Groups.

Planned Outputs

- The group will define the dimension of the contributions and topics over the next few months as well as the scope of the activities. These will be done so the task group activities are complementary to the member's current research within the area of contribution defined in the outline.
- The main outputs planned are an industry publication, a CIB roadmap report and an academic book to be published by Routledge in 2017.
- The roadmap is a CIB requirement for all new Task Group to formulate an agenda for future activities, support the initiation of new R&D projects and stimulate knowledge exchange. According to CIB examples, this document should contain a conceptual framework, state-of-the-art, future scenario, development strategy, research contribution and research agenda. The future scenario is normally ten years from publication. However, this can be very challenging in our scope of research due to the fast progress of technology. This output is due to be published in 2017. A draft description of this structure has been developed by Rasmus and made available to members.
- It was proposed that a research roadmap team is formed (3-4 people) to develop this document, this will be further discussed in our next meeting.
- Francis suggested including reflections from practitioners in the book and roadmap. Adriana also suggested that the roadmap and the book reflect each other and are developed in parallel so the group doesn't have to create completely different content but one is extracted from the other. Wim highlighted that although the CIB requires them to be two separate publications, it is good to align them so the roadmap is a summary of the book. It should be considered however that both documents target different audiences. The roadmap would be aimed at decision makers while the book can be directed to research institutions.
- Wim suggested to present case studies as a CIB innovation webinar series to help the industry grow towards more integrated information processes.
- Kim suggested reading all roadmaps already produced to get an idea of the content and depth expected and to have a small group of writers so it can be made more coherent. The research roadmap could also be the introduction to the book, so each individual chapter is related to issues raised in the roadmap.
- Marit highlighted that the group should agree in advance on what we want to measure in the case studies and what kind of framework will be used to select them. This would allow having

different facets of the same topic over different countries. It was also proposed that each chapter presents a different theme or aspect of information integration so the case studies are chosen to fit that theme. Jan suggested that selecting these themes might be a challenge if done through a top-down approach and therefore members should suggest themes that they think are relevant and they would like to contribute. The group agreed to do this via email and Adriana will consolidate all the suggestions before the next meeting.

- The chapter structure and conceptual framework was suggested to be developed by the coordinators. This will be further discussed in the next meeting after the themes have been received.

- The industry booklet is proposed to be developed from the book's early drafts and presented at the CIB World Building Congress in Finland (May 2016). This could increase interest on the group and the forthcoming book as well as provide an opportunity for feedback to the chapter authors in a timely manner. This publication has an ISBN number so it might count towards your academic output.

- Youngsoo suggested considering having a two-prone approach to the conceptual framework similar to the push and pull sides of construction processes. The group will revisit this idea in the next meeting.

- Members are encouraged to send their ideas about the book and any other aspects of the group to the coordination team via email.

FOLLOW-UP ACTIONS
- **Monday 16 February 2015:** Members are to send Adriana their suggestion for chapters they would like to contribute to the book (couple of lines describing the theme). These are to be aspects of information integration.

NEXT MEETING
- Wednesday, 18th February 2015 at 3 pm Perth Time (TBC).

Happy Holidays!!