



**Standing Committee
Knowledge&Technology**
Chairman: ASKO SARJA
Vice chairman: PAUL RUBEN BORG

1. OBJECTIVE

The objectives of SC Knowledge and Technology in 2011-2012 are

- the follow up of the European and worldwide research and development in the field of building and civil engineer, and distribute information on this to the member Societies of Civil Engineers and to their members
- exploring and planning challenging needs of investigations on new knowledge and technologies in building and civil engineering in the selected issues:
 1. Development of knowledge and technology in civil engineering at European level
 2. Energy efficiency of buildings in Europe
 3. Lifetime oriented design, construction and management of buildings and civil infrastructures

2. BUSINESS PLAN FOR THE YEAR 2013-2014

2.1 Task Forces

- 1. ECCE survey and analysis of the state of civil engineering knowledge and the state of the profession in a 5 year perspective.**
- 2. Lifetime Engineering (Integrated and ITC/BIM-supported design, Lifetime Contracting and Lifetime oriented asset management).**
- 3. Smart / Intelligent building, Horizon 2020**
- 4. Implementation of “Energy Efficient nZEB (nearly Zero Energy) Buildings into praxis in EU”**

2.2 Actions of the Task Forces in 2013

- 1. ECCE survey and analysis of the state of civil engineering knowledge and the state of the profession in a 5 year perspective.**
 - Conclusions on the results of the Stage 1 of the Survey
 - Starting, analyzing and executing the Stage 2 of the Survey
- 2. Lifetime Engineering (Integrated and ITC/BIM-supported design, Lifetime Contracting and Lifetime oriented asset management).**
 - Concluding the results of the ECCE Survey and Lisbon Meeting discussions on this issue
 - Analysing the needs of information distribution, and training as well as research opportunities in the area of Lifetime Engineering



- Analysing the R&D and implementation of the IDDS (Integrated Design & Delivery Solutions) in construction sector
- Developing the Action Plan and starting these actions

3. Smart / Intelligent building, Horizon 2020

- Concluding the results of the ECCE Survey and Lisbon Meeting discussions on this issue
- Analysing the needs of information distribution, and training as well as research opportunities
- Developing the Action Plan and starting these actions

4. Implementation of “Energy Efficient nZEB (nearly Zero Energy) Buildings into praxis in EU”

- Collecting and analysing European development of standardization and implementation of nZEB-Buildings into praxis
- Informing ECCE Members on the results of the Follow up – analysis

2.3 Task Forces in 2014

In Lisbon meeting will be discussed on further development of the Task Forces for 2014, based on the needs of ECCE Member Organisations.

Espoo, Finland, 23th April, 2013

Malta, 23th April, 2013

Asko Sarja
Chair of the SC Knowledge and Technology

Ruben Paul Borg
Vice Chair of the SC
Knowledge and Technology