



Research Fund for Coal and Steel



European Convention for
Constructional Steelwork



The Sustainable Building Project in Steel Project
(SB_Steel)

Invitation

The ECCS Technical Committee 14
Sustainability and eco-efficiency of steel buildings

and

The European Steel Technology Platform
WG3 – Construction and Infrastructure sector

WORKSHOP CONCEPTS AND ASSESSMENT OF SUSTAINABLE STEEL INTENSIVE BUILDING PROJECT – DRAFT PROGRAMME

Date: 8 May 2012

Place: Munich, Oskar von Miller Forum, <http://www.oskarvonmillerforum.de/en/about-ovmf.html>

Topics to be focused in the Workshop:

- i) concept of environmental impact assessment based-on macro-components;
- ii) criteria and key indicators of performance, sustainability and competitiveness;
- iii) methodology to assure performance and sustainability requirements;
- iv) development of a comprehensive approach to the pre-design phases;
- v) requirements and recommendations for decision-making platform and software.

Draft Programme

Morning – Keynote Speakers

Innovative solutions for sustainability in steel construction

(Presentation of some examples of innovative and sustainable solutions in steel construction – new building and/or renovation projects)

Proposed Speaker: To be defined (Steel product manufacturer)

Steel intensive building projects – Real Cases

- _____ procedure in designing common office buildings/ dwellings
(Presentation about how steel intensive/framed buildings are projected, main issues of pre-design. Examples)
Proposed Speaker: To be defined
- Renovation projects in _____
(Presentation of some examples of renovation projects using steel construction solutions. Main impacts of the project)
Proposed Speaker: To be defined

Sustainability in steel-framed building design process

Proposed Speaker: To be defined (design offices, architects)

Discussion



Research Fund for Coal and Steel



European Convention for
Constructional Steelwork



The Sustainable Building Project in Steel Project
(SB_Steel)

Invitation

The ECCS Technical Committee 14
Sustainability and eco-efficiency of steel buildings

and

The European Steel Technology Platform
WG3 – Construction and Infrastructure sector

Afternoon – Papers of organisers and collaborators

1. SB_Steel Approach to Steel Sustainable Buildings

- Selection of key sustainable indicators to steel buildings in early design phases
(Presentation of the selected indicators to include and assess in preliminary phases of a building project)
Speaker: Joana Andrade *(paper preparation by a team)*
- Typologies of Steel Buildings with respect to sustainability and the macro-components approach
(Presentation of the different building typologies; climate/region related issues. Presentation of the macro-component concept, properties and attributes)
Speaker: Luís Simões da Silva
- Comprehensive methodological approach to pre-design phases
(Presentation of the proposed model of decision-making)
Speaker: Helena Gervásio
- The Renovation projects approach
(Presentation of renovation projects specificities, typical solutions and need for decision model)
Speaker: Jose Chica

2. Promotion of sustainable steel construction – papers of collaborators

PRESENTATIONS TO BE SELECTED FROM THE PAPERS SUBMITTED TO BE PUBLISHED IN THE BOOK OF PROCEEDINGS

DISCUSSION AFTER EACH PRESENTATION AND AT THE END OF THE AFTERNOON