

(9) Sustainability Assessment of Buildings as Part of Green-Public Procurement Based on the German BNB-System

Session Organiser: Division Sustainable Building, Federal Institute for Research on Building, Urban Affairs and Spatial Development (BBSR), Germany

Session 2.14

SESSION OUTLINE

In Germany, adherence to the principles of sustainable development is an essential aspect of procurement by the public authorities. This applies both to the planning and construction of new buildings (high performance buildings) as well as to modernization projects (deep building renovation). The Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB) formulated with the Guideline for Sustainable Building essential requirements for Federal Buildings. The Assessment System for Sustainable Building (BNB) provides a tool which supports planning and evaluation and is used in public procurement. It is freely accessible on the internet. The BNB simultaneously and equally addresses the classic three dimensions of sustainability and the technical implementation and the planning process as cross-sectional qualities. Both LCA and LCC are used.

In the workshop, the BNB will be presented using the example of the modernization of school buildings and the planning of research and laboratory buildings. Practical examples from Germany and Austria will be explained. In other lectures, possibilities for the increased use of renewable raw materials as well as tools for the support of integrated design are discussed.

The workshop is aimed at representatives of the public sector as well as developers and users of planning and assessment tools. In the moderated discussion, the public authorities deal with certification systems as well as the importance of integrated design for sustainable construction.

SESSION CHAIR

Thomas LÜTZKENDORF, Director, Centre for Real Estate; Head of Chair, Sustainable Management of Housing and Real Estate, Karlsruhe Institute of Technology, Germany

SPEAKERS AND PRESENTATION TOPICS

- 1. Sustainability Assessment of Buildings as Part of Green Public Procurement – An Introduction**
Thomas LÜTZKENDORF, Director, Centre for Real Estate; Head of Chair, Sustainable Management of Housing and Real Estate, Karlsruhe Institute of Technology, Germany
- 2. The Assessment System for Sustainable Building BNB by Taking the Example of the Complete Refurbishment BNB Module for Educational Buildings**
Julia MÜLLER, Federal Institute for Research on Building, Urban Affairs and Spatial Development (BBSR), Germany
- 3. Sustainable Building Assessment System for Research- and Laboratory buildings - Austrian and Swiss Perspective on the BNB Applicability**
Alexander PASSER, Assistant Professor, Graz University of Technology, Austria
- 4. Natural Resources and Sustainability**
Eike ROSWAG-KLINGE, Ziegert Roswag Seiler Architekten
- 5. PL·E·N·AR Planning Aid for Energy Efficient and Sustainable Architecture**
Günter LÖHNERT, sol·id·ar planungswerkstatt, Germany