



Energy Day – Workshop



BUNDES
ARCHITEKTEN
KAMMER

ARCHITECTURE – TOWARDS A STEP CHANGE IN BUILDING PERFORMANCE

Thursday 22 June – 14h00 to 17h00

Architects' House, 21 rue Ernest Allard, Brussels

The architecture of a building has a major impact on building performance outcomes. A building's relationship to its site, its form, materiality, and functionality are critical to minimising the energy and natural resources needed to create a healthy, comfortable and productive indoor environment for occupants.

In the context of the revision of the Energy Performance of Buildings Directive (EPBD), the purpose of this event is to share feedback from architectural projects that have successfully overcome the challenges of achieving healthy, comfortable and productive environments at measurably low energy and resource consumption and to draw policy lessons from this. In particular, this workshop will aim to debate and shed light on:

- the architectural determinants of building performance and the role of architecture in creating a step-change in the uptake of energy efficiency measures;
- the imperative to consider building performance in a broader and more holistic perspective, so as to account for the non-energy benefits of better performing buildings;
- the four pillars of building performance: resource efficiency; indoor environmental quality; occupant satisfaction; value.
- the feasibility of requiring systematic feedback on the achieved performance of buildings in operation / the validation of buildings performance in use;
- the need for better taking into account embodied energy of building materials;
- the need for a greater recognition of life cycle principles to guide energy efficiency in buildings, and for life cycle costing as a standardized method for cost efficiency calculations.

The workshop will consist of a series of presentations by architects and other experts from the construction sector. It addresses policy-makers, experts from the EU institutions, stakeholders from the construction industry, innovation and research centres, academics, students and all those with interest in building performance.

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DRAFT PROGRAMME

- ❖ **From 13h30: Registration and welcoming coffee**
- ❖ **14h00: Welcome & Introduction** – Dr. Judit KIMPIAN, Chair of the ACE Environment & Sustainable Architecture Work Group
- ❖ **14h10 – 15h20: SESSION 1**
 - **Paula REY-GARCIA**, Buildings and Finance Team Leader at the EU Commission DG Energy's Energy Efficiency Unit – *The Commission's priorities for the revision of the EPBD*
 - **Prof. Heiner LIPPE**, Professor in Architecture at Lübeck University – *Embodied Energy of Construction Materials*
 - **Dr. Peter Andreas SATTRUP**, Senior Advisor on Sustainability at the Danish Association of Architectural Firms – *Life Cycle Costing, Well-being and Value of Design*
 - **Q&A with the audience**

COFFEE BREAK

- ❖ **15H45 – 17H00: SESSION 2**
 - **Thomas COLDEFY**, Coldefy & Associates Architects Urban planners (CAAU)
 - **Zsolt TOTH**, Royal Institution of Chartered Surveyors (RICS), External Affairs & EU Liaison Manager
 - **Matt PUMFREY**, Energy Pro, Associate Partner – *The ABRACADABRA project's financial toolkit and importance of standardisation for the financial sector*
 - **Q&A with audience**
- ❖ **WRAP UP / CONCLUSIONS** – Dr. Judit KIMPIAN

THE SESSION WILL BE FOLLOWED BY A DRINK FROM 17h00 TO 18h00

The event will be web-streamed on the ACE website at the [following address](#)