



November 2016

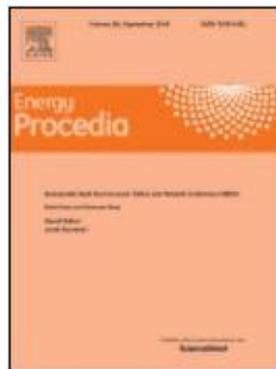
Proceedings from the
**SBE16 Tallinn and Helsinki Conference:
Build Green and Renovate Deep**
October 2016

SBE16
TALLINN & HELSINKI
CONFERENCE

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Background

This volume of Energy Procedia serves as proceedings of SBE16 Tallinn and Helsinki Conference: Build Green and Renovate Deep, 5-7 October 2016, Tallinn and Helsinki. The SBE16 conference was organized by Finnish Association of Civil Engineers RIL and Estonian Association of Civil Engineers EEL, and it is part of the Sustainable Built Environment (SBE) series of conferences.



Conference themes

SBE conference series has focused to a broad scope of sustainability issues in construction including buildings, city planning and infrastructure. SBE16 reflects the most acute topics in the region and Europe which may be divided under three main themes:

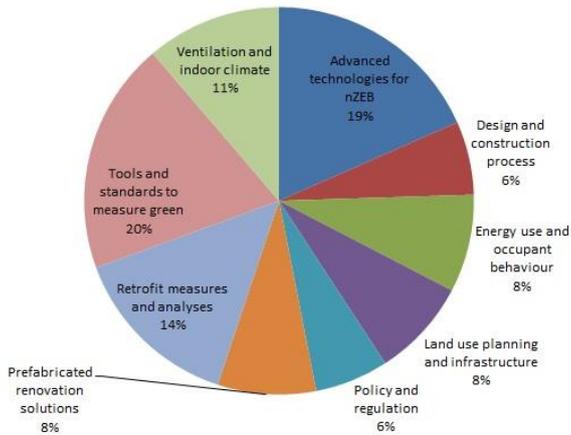
- Technical solutions and technologies needed for nearly zero energy buildings (nZEB);

- Sustainability assessment tools and standards as well as more broader question how to measure objectively sustainability in design and construction of buildings and districts;
- Deep integrated renovation of existing buildings.

More specifically, 98 SBE16 papers covered 9 themes, each of them forming at least one conference session:

- Advanced technologies for nZEB
- Design and construction process
- Energy use and occupant behaviour
- Land use planning and infrastructure
- Policy and regulation
- Prefabricated renovation solutions
- Retrofit measures and analyses
- Tools and standards to measure green
- Ventilation and indoor climate

Conference statistics, i.e. how many papers in each theme, provides some insight to most common topics researchers and practitioners are working at present.



Overview of the SBE Series

The Sustainable Built Environment (SBE) series of conferences (<http://www.sbe-series.org/>) began in 2000 and are operated on a three-year cycle by four international organizations:

- International Council for Research and Innovation in Building and Construction CIB, www.cibworld.nl;
- International Initiative for a Sustainable Built Environment iisBE, www.iisbe.org;
- Division of Technology, Industry and Economics (DTIE) of the United Nations Environment Programme UNEP-SBCI, Sustainable Building and Climate Initiative, www.unep.org/sbci/;
- International Federation of Consulting Engineers, www.fidic.org.

The SBE conference series is international conference series on sustainable building and construction. The series is held on a three-year cycle with planning and preparation in year 1, national/regional conferences in year 2 and a single global event held in year 3. Information on the 2015 -2017 cycle can be found [here](#).



The World Sustainable Built Environment Conference 2017 Hong Kong (WSBE17 Hong Kong), co-organised by the Construction Industry Council and the Hong

Kong Green Building Council, will take place from 5 to 7 June 2017 at the Hong Kong Convention and Exhibition Centre.

Themed "Transforming Our Built Environment through Innovation and Integration: Putting Ideas into Action", Hong Kong has an aggressive target to "innovate" and "integrate". This SBE16/17 conference series will have an additional focus on small urban scales, meaning for the first time the scope is expanded from standalone buildings to "Sustainable Built Environment", a more comprehensive perspective to look at issues related to urban areas and the supporting infrastructure.

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