



SBE19 Graz

SUSTAINABLE BUILT ENVIRONMENT D-A-CH CONFERENCE 2019
Graz, 11–14 September 2019



SPECIAL SESSION

Environmental benchmarks of buildings

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13 Sept 2019, 02.15pm-03.45pm | Rechbauerstraße 12, 8010 Graz

SUSTAINABLE BUILT ENVIRONMENT D-A-CH CONFERENCE 2019

The SUSTAINABLE BUILT ENVIRONMENT D-A-CH CONFERENCE 2019 is part of a major international series of conferences that focus on sustainable buildings and construction. This series, now on a three-year cycle, has become recognized as the world's preeminent conference series in this important field. Graz University of Technology will host the SBE19 in co-operation with University of Natural Resources and Life Sciences, Vienna, Karlsruhe Institute of Technology and ETH Zürich. Within this conference several Special Sessions are organized.

OBJECTIVE OF THIS SPECIAL SESSION

Life Cycle Assessment (LCA) is a suited approach to assess and optimize the environmental impact of buildings over their entire life cycle. In the past years different steps have been undertaken to integrate LCA in the building practice, such as the development of LCA standards and tools for the construction sector. In order to stimulate the use of LCA in building practice, there is a need for benchmarks or reference values to support policy makers and building practitioners in the definition of environmental targets for buildings.

Existing research on environmental benchmarks shows the high variety of benchmarking systems in terms of both methods and applications. In general, a distinction is made between top-down approaches based on political and long-term targets and bottom-up approaches based on a statistical analysis of the building stock or representative buildings.

The aim of this special session is to present and discuss various benchmarking methods and applications. The focus is both on methodologies to develop LCA benchmarks as well as their integration in specific national contexts. Discussion of existing benchmarking systems and prospective research related to future LCA benchmarks are part of the scope of this special session.

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