



# SBE19 Graz



In Cooperation with:



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

## PROGRAM

### Pre-Conference

Wednesday, 11 September 2019

Graz University of Technology, Austria

## SDGs AND CLIMATE IMPACTS

The UN Agenda 2030 and the 17 Sustainable Development Goals (SDGs) address many global challenges we face, including peace, poverty, and inequality, as well as climate change and environmental degradation. The SDGs build a framework for a way towards a more sustainable future, both regarding social issues and climate and environment related topics. The SDGs are not only part of national efforts for sustainable development around the world, but also affect universities as the central institutions of education and innovation.

SDGs related to the built environment and their implementation are a central focus of SBE19 Graz and the SBE conference series. The first conference day, the pre-conference, specifically addresses the SDGs (especially SDG 11 and SDG 13) and the universities' role in achieving them. The aim of the day is to connect the D-A-CH countries in their efforts and learning from each other. Three workshops will provide possibilities to connect: the SDG workshop focussing on universities' contributions, the Climate Change Roundtable, and the SBE Roundtable discussing SDG11.

## PROGRAM OVERVIEW

09:30 - 10:30	Welcome Coffee
10:30 - 13:00	<b>SDGs &amp; Universities (in German)</b> Organization: Alliance of Sustainable Universities in Austria
13:00 - 14:00	Lunch & Registration
14:00 - 15:30	<b>SDG 13 Roundtable</b> <b>Mitigation and Adaptation - Managing Climate Change in the Built Environment</b> Organization: ETH Zürich in Cooperation with CCCA
15:30 - 16:00	Coffee
16:00 - 17:45	<b>SDG 11 Roundtable</b> <b>Interpretation and localisation - Strategies, synergies and system boundaries</b> Organization: Karlsruhe Institute of Technology

Contact: Graz University of Technology, Austria | Institute of Technology and Testing of Building Materials | Working Group Sustainable Construction  
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In Cooperation with:

ETH zürich

Universität für Bodenkultur Wien



## SDGs & Universitäten

Allianz Nachhaltige Universitäten in Österreich

10:30 - 13:00 Uhr

Mittwoch, 11. September 2019

Aula, Technische Universität Graz, Österreich

## NACHHALTIGKEIT AN, MIT UND DURCH UNIVERSITÄTEN

Zur Umsetzung der UN-Nachhaltigkeitsziele (SDGs) können und sollen auch Hochschulen einen wesentlichen Beitrag leisten. Universitäten stellen zentrale Einrichtungen für Ausbildung und Innovation dar und nehmen bei der Umsetzung der SDGs eine wichtige Rolle ein. In Österreich werden die Aktivitäten der Universitäten zur Umsetzung der SDGs durch das universitätsübergreifende Netzwerk Allianz Nachhaltige Universitäten getragen und koordiniert. Im von der Allianz initiierten Projekt UniNETz arbeiten seit Anfang 2019 über 200 Wissenschaftler\*innen österreichischer Universitäten daran, den möglichen Beitrag Österreichs zur Erreichung dieser Ziele darzustellen und für Entscheidungsträger\*innen und Interessierte zur Verfügung zu stellen. In Deutschland treibt das Projekt HOCH-N die Umsetzung der Ziele und Prinzipien einer nachhaltigen Entwicklung voran. In diesem Workshop sollen die Aktivitäten der Universitäten aus dem D-A-CH-Raum und entsprechende Erfahrungen gemeinsam mit Konferenzteilnehmer\*innen und Vertreter\*innen der Zivilgesellschaft diskutiert werden.

Die Ziele des Workshops sind:

- Projektvorstellung und Diskussion UniNETz und HOCH-N
- Länderübergreifender Erfahrungsaustausch zu Rolle und Beitrag der Universitäten zu den SDGs
- Erfassung des Umsetzungsgrades der SDGs in den Ländern
- Ansätze und Motive der Universitäten zur Umsetzung der SDGs
- Diskussion von Kooperationsmöglichkeiten zwischen Universitätsprojekten und Zivilgesellschaft – Herausforderungen und Erfolgsfaktoren

## VORTRAGENDE

- Allianz Nachhaltige Universitäten und Projekt UniNETz: Universität für Bodenkultur Wien: Helga Kromp-Kolb
- Projektleitung HOCH-N, Uni Hamburg: Dr. Claudia Schmitt
- SDGs an der Universität Zürich, Universität Zürich: Jan Bieser

## WEITERE INFORMATIONEN ZU DEN PROJEKTEN

[www.nachhaltigeuniversitaeten.at](http://www.nachhaltigeuniversitaeten.at)

[www.uninetz.at](http://www.uninetz.at)

[www.hochn.uni-hamburg.de](http://www.hochn.uni-hamburg.de)

Supported by Copernicus Alliance: <https://www.copernicus-alliance.org/>



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In Cooperation with:

## SDG 13 ROUNDTABLE - MITIGATION AND ADAPTION

ETH Zürich in Cooperation with CCCA

02:00 pm to 03:30 pm

Wednesday, 11 September 2019

Aula, Graz University of Technology, Austria

### THE SDG 13 ROUNDTABLE

Mainstream building practices are unsustainable. The construction industry accounts for two-fifths of the raw stone, gravel and sand consumption as well as for one-fourth of virgin wood. It is also accountable for 40% of total greenhouse gas emissions, 16% of annual water consumption and in Europe, it provides 18 million direct jobs and constitutes approximately 9% of EU's GDP.

However, the built environments should not simply be perceived as a problem, but could be understood as a stepping-stone toward potential solutions. Buildings can do much more than provide shelter, offer security, or be deployed as a source of income. Buildings and infrastructure can store carbon emission and counteract climate change. Buildings can be used as depositories of materials to be later mined. Buildings rather than degrading the air quality can actually improve it. Buildings can even help to reduce harmful effect of transportation through noise and pollution absorption in self-cleaning façades. Buildings do all that, and much more.

To harness opportunities provided by the building stock, the roundtable seeks to explore How the built environment can contribute to climate change mitigation and adaptation? We will identify and present building technologies and urban strategies that should be favoured. We will then discuss which policy cities can implement to foster this transition.

In short, the roundtable wants to reposition construction as the key point of leverage for societal transformation, considering that – to quote Michael Braungart and William McDonough – “being less bad is simply not good enough”.

### MODERATION

- Guillaume HABERT, MSc. Dr.; Associate Professor of Sustainable Construction at ETH Zurich

### SPEAKERS

- Harpa BIRGISDOTTIR, MSc. Dr.; Senior Researcher at Danish Building Research Institute
- Sasha CISAR, MSc Arch SIA; Sustainability Analyst Real Estate at Bank J. Safra Sarasin
- Nils THAMLING, Dipl. Ing.; Senior project manager at Prognos AG
- Helga KROMP-KOLB, Em.O.Univ.Prof. Dr.phil.; University of Natural Resources and Life Sciences, Vienna

### RAPPORTEUR

- Richard LORCH, Editor-in-Chief, Buildings & Cities

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Karlsruhe Institute of Technology

## SDG 11 ROUNDTABLE - SUSTAINABLE URBAN DEVELOPMENT

Karlsruhe Institute of Technology

04:00 pm to 05:45 pm

Wednesday, 11 September 2019

Aula, Graz University of Technology, Austria

### WORKSHOP OVERVIEW

Cities and settlements have a major influence on the implementation of sustainable development principles. SDG 11 “Make cities and human settlements inclusive, safe, resilient and sustainable” has close links to the objectives and content of the conference series SBE19-20 and is one of its main themes. Together with the organizers of the WSBE20, the coordinators of the SBE19 Graz will organize an SBE Roundtable on this topic. In particular, the relationships and interactions with previous concepts and instruments for the promotion of a sustainable built environment will be analyzed and questions of a concrete implementation at building, district and settlement level will be discussed.

Four input speeches will introduce the topic. The sub-goals and indicators of the SDG11 as well as current initiatives and experiences in Austria, Switzerland and Germany will be explained. A broad discussion is held with the participants, supported by interactive elements.

The following questions are discussed:

- What role does SDG11 play in the overall context of all sustainability goals and what are the interactions with the other SDGs?
- Which sub-goals are important for the situation in Central Europe and which indicators can be used in practice? What experiences are available?
- Which European, national and regional initiatives exist? Are there already generalizable basic principles and strategies in place?
- How can sustainable buildings contribute to sustainable urban development, what does the sustainable city offer with respect to location quality for individual buildings?
- How can the methods, indicators and sustainability assessment systems for buildings, neighborhoods and cities developed so far support the achievement of the SDG11? Which further developments are required/desirable?

The results of the SBE Roundtable will be summarized, prepared and presented to the organizers of the WSBE20 Global Conference in Gothenburg (Sweden). They will be also incorporated into the iiSBE initiative for the operationalization of SDG11.

### SPEAKERS

- DE: H. von Lojewski, Association of German Cities
- AT: Alexander Lesigang, Österreichischer Städtebund
- CH: *Representative requested*

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