



# SBE19 Graz

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



## SPECIAL FORUM

# Workshop *Plastics in Sustainable Building & Living: Protection of Health and the Environment*

13 Sept 2019, 09.30am-01.00pm | Rechbauerstraße 12, 8010 Graz

## SUBJECT

International Sustainable Chemistry Collaborative Centre (ISC3) is a new international organisation founded by the German environmental ministry with its Headquarters in Bonn. It is aiming at sustainable solutions for chemicals. Among other topics the ISC3 has a workstream Plastics in Sustainable Building & Living. The centre has installed an expert group to prepare a transparent report that will show the innovative fields in the construction sector and provide guidelines for industry, politics and consumers, on how to drive construction products towards sustainability in sense of SDGs. ISC3 is in dialogue with stakeholders from academia, industry, NGOs and international organisations. The fundamental questions in workstream are: How to drive construction products towards sustainability in sense of SDGs? And, what are the most relevant innovative areas and potentials for Sustainable Chemistry in the field of Building, Living and Plastics? The current workshop is devoted to the topic Protection of Human Health and the Environment aiming at Polymers in Building and Living area.

### The Goals of the workstream are:

- to transform chemical products in building and living towards Sustainability
- to give impulses for the research and entrepreneurship
- to investigate the innovative fields and set the agenda for the near future
- to show the potentials for the Sustainable Chemistry regarding SDGs

### The following questions will be discussed at the workshop:

- Where do plastic materials provide benefits for affordable housing in times of rapid urbanisation without compromising health and the environment?
- Which plastics might be substituted for health and environmental reasons?
- What are alternative solutions for plastic products?
- What properties and special features of plastic products contribute to sustainability?
- How can construction plastics be reused and/or recycled at the end of their lifecycle?
- What plastics are subject for concerns regarding waste and emissions throughout the life-cycle?

### At the workshop the following presentations are planned:

#### Welcome and Introduction:

- Introduction of ISC3 – C.Cinquemani, Director Science & Innovation
- Workstream Plastics in Sustainable Building & Living, O.Ditkovskiy, Workstream Manager
- Preliminary Study Plastics in Construction, Prof. Dr. H. Friege, Leuphana University

#### Session 1 TBC:

- Presentation: LEVELS Framework – EU Commission, DG Environment (TBC)
- Presentation: Application of Building Physics for Climate Change Mitigation, Czech Technical University (TBC)
- Presentation: Plastics & Environment, President of Think Beyond Plastics (TBC)
- Presentation: Plastics in Building, Plastics Europe (TBC)

#### Session 2:

- Discussion on the leading questions in a round table with all participants

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