Plastics and Sustainable Building

Overview

ISC3 has compiled all its knowledge on the topic of plastics and sustainable building in the form of a training. After completing the course, you will be able to:

- Describe how Sustainable Chemistry can make buildings sustainable.
- Estimate the hidden costs in a building's life cycle.
- Create sustainable solutions for developing countries based on resilient buildings utilising local materials.
- Draft a strategy to substitute hazardous additives or to keep exposures and releases as low as possible.
- Describe how to drive construction products towards sustainability in the sense of the Sustainable Development Goals.
- List some of the most relevant innovations and potentials for Sustainable Chemistry in the area of building, living and plastics.
- Identify strategies to save energy and to avoid greenhouse gas emissions.
- Explain what recycling means for buildings and how the consumption of resources in the building industry can be reduced.
- Create strategies to address the growing demand for energy-efficient houses. For example through better insulation materials, but also new solutions, like 'cool roof' and 'phase change walls'.

Objectives

This free course is for anyone interested in the role of plastics in sustainable building and living. For example, policy makers, planners, or architects. The course is written on an academic level and provides the learner with knowledge to create a strategy on where it does and where it does not make sense to use plastics in construction.