

Sustainable Chemistry and Safe-and-Sustainable-by-Design

The worldwide implementation of Sustainable Chemistry is key to reducing unwanted effects of chemicals and chemical products - along their entire life cycle - on the environment, health and society. The EU's "Chemicals Strategy for Sustainability – towards a Toxic-free Environment" is part of the European Green Deal and aims to further the transition towards chemicals that are **Safe-and-Sustainable-by-Design (SSbD)**.

SSbD is a pre-market approach to chemicals, materials, products and processes that integrates safety and sustainability aspects at early stages of the innovation process, taking a life cycle perspective. Following the launch of the SSbD framework by the Joint Research Centre (JRC) of the European Commission, the implementation of SSbD in industrial applications and its adaptation to the needs of specific sectors is currently elaborated.

In this summer school benefits and challenges for the implementation of the SSbD approach will be discussed with a focus on Sustainable Chemistry, value chains, tools and skills.

Questions raised in this respect will be:

- What is SSbD?
- Which tools can be used to define SSbD chemicals or materials?
- Which gaps and challenges hinder its implementation?
- What is the role of the value chain in its implementation?



**ISC3 International Sustainable
Chemistry Collaborative Centre
Research & Education Hub
Leuphana University Lüneburg**

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We transform chemistry

SUMMER SCHOOL ON
SUSTAINABLE CHEMISTRY

Implemented by:

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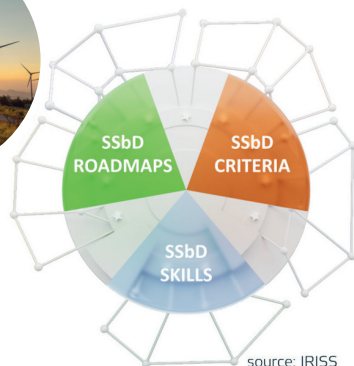
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VENUE

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The Summer School on Sustainable Chemistry for Sustainable Development is jointly organised by the Research and Education Hub of the ISC3, the Chair for Sustainable Chemistry and Material Resources at the Institute of Sustainable Chemistry of Leuphana University Lüneburg and the EU project IRISS ("InteRnational ecosystem for accelerating the transition to Safe-and-Sustainable-by-design materials, products and processes").

www.isc3.org
www.leuphana.de/en/institutes/insc
www.iriss-ssbd.eu/

REGISTRATION

Please register via the link on our website:
www.leuphana.de/summer-school-s3c

ACCOMMODATION

A list of hotels is available on our website. Please make sure to book your accommodation as soon as possible!

COSTS

No registration fee!

TRAVEL GRANTS

For details please visit our website:
www.leuphana.de/summer-school-s3c

AGENDA

08. – 09.07.2024

Part 1: General Concepts and Approaches of Sustainable Chemistry

10.07.2024

Part 2: Sustainable Chemistry and Safe-and-Sustainable-by-Design lectures and topic-related workshops

11.07.2024

Excursion to a company in a topic-related business field to gain insights into up-to-date approaches and challenges to implement Safe-and-Sustainable-by-Design

12.07.2024

Poster presentations / discussion of findings in workshops, wrap-up



source: IRISS

✓ **Concepts of Green and Sustainable Chemistry**

✓ **Safe-and-Sustainable-by-Design**

✓ **Life Cycle Perspective**

✓ **Tools and Skills**

✓ **Networking**