

WHO WE ARE AND WHAT WE DO

ABOUT INSC

The Institute of Sustainable Chemistry (INSC) was established in 2010 within the Faculty of Sustainability at Leuphana University and focuses on the use of chemical substances and the impact of chemicals and pharmaceuticals on the environment and society, and strives to develop solutions that meet sustainability criteria. www.leuphana.de/en/institutes/insc

ABOUT ISC₃

ISC₃ was established in 2017 as a new independent institution promoting and developing sustainable chemistry solutions world-wide. ISC₃ is acting as an innovation promoter, dialogue platform, education hub and a research hub, www.isc3.org

ABOUT CAPCI

The Climate Action Programme for the Chemical Industry (CAPCI) is funded by the Federal Ministry for the Environment, Nature Conservation, Nuclear Safety, and Consumer Protection (BMUV) and implemented by the GIZ together with the International Council of Chemical Associations (ICCA) and the PCCB-Network as international partners. CAPCI aims to strengthen the capacities of key stakeholders for effective climate protection in the chemical industry in Argentina, Ghana and Thailand as well as Peru and Vietnam and aims to enable them to take climate action in chemical production and associated value chains. The CAPCI project is closely linked with the ISC₃.

WHAT YOU CAN EXPECT PROVISIONAL AGENDA

PROVISIONAL AGENDA

10.7.2023 – 11.7.2023

Part 1: General Concepts and Approaches of Sustainable Chemistry

12.7.2023

Part 2: Sustainable Chemistry and Climate Change Lectures and Topic-related workshops

13.7.2023

Excursion to a company in a topic-related business field to gain insights into up-to-date approaches and challenges to tackle the climate crisis

14.7.2023

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

VENUE

Leuphana University Lüneburg, Universitätsallee 1, 21335 Lüneburg, www.leuphana.de/summer-school-s3c

TARGET GROUP

The summer school is designed for graduates, PhD-students, post-graduates and professionals from academia, industry, authorities, research and non-governmental organisations who deal with or are professionally interested in the topic of sustainable chemistry as a cross-cutting issue.

SUMMER SCHOOL ON SUSTAINABLE
CHEMISTRY FOR SUSTAINABLE
DEVELOPMENT

CLIMATE CRISIS



→ INSTITUT FÜR NACHHALTIGE CHEMIE (INSC)

[10 – 14TH JULY 2023]

Leuphana University Lüneburg | Institut für Nachhaltige Chemie (INSC) |
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www.leuphana.de/summer-school-s3c



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WHAT IT IS ALL ABOUT

DESCRIPTION

The climate crisis is one of the most pressing challenges of our time. Without additional efforts to reduce greenhouse gas emissions, global warming is likely to exceed 2°C by the end of the 21st century (UNEP 2022).

The chemical industry is not only a fundamental cornerstone of modern life and global and national economies as more than 90 % of manufacturing depend on chemical industry products. According to the Intergovernmental Panel on Climate Change (IPCC) sixth assessment report (IPCC 2022), the chemical industry accounts for roughly 7.4 % of global Greenhouse Gas (GHG) emissions and 10 % of the world’s final energy demand (ICCA 2018).

At the same time, the chemical industry is a source of climate-friendly solutions with innovations and materials that are crucial for the roll-out of future-oriented low-carbon technologies for example in energy and mobility systems.

In this summer school chances and challenges for the transformation of the chemical industry and related value chains will be elaborated with a focus on sustainable chemistry, low-emission processes and products.

Questions raised in this respect will be:

- What are the latest low-carbon technologies?
- What is the potential of such technologies?
- What other sustainable concepts are there in the chemical industry?
- What are the recommended tools and guidances in this respect?
- What can the different stakeholders contribute?



WHAT YOU NEED TO KNOW

ORGANISATIONAL MATTERS

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! Participants will have to cover their own travel costs, accommodation and personal expenses

FUNDING

Participants from low income countries are eligible for a restricted number of scholarships which will help to partly cover some of the travelling and accommodation costs. Please submit a written application comprising a letter of motivation, a CV, references and an abstract for a poster to be presented onsite during the Summer School. Further details at: www.leuphana.de/summer-school-s3c

All other participants are kindly advised to apply for fundings within their home institution and/or home country. GIZ employees need to cover the costs by their projects.

WHAT YOU NEED TO KNOW

ORGANISATIONAL MATTERS

ORGANISERS

The Summer School on Sustainable Chemistry for Sustainable Development is organised jointly by the Research and Education Hub of the ISC₃, the chair for sustainable chemistry and physical resources at the Institute of Sustainable Chemistry of Leuphana University Lüneburg and CAPCI, the Climate Action Programme for the Chemical Industry at the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH.

www.isc3.org

www.leuphana.de/en/institutes/insc

www.giz.de

TRAVEL ORGANISATION

The closest airport to Lüneburg is Hamburg. Alternatively Hanover or Frankfurt might be convenient. From all airports Lüneburg can be reached via train or public busses. For further details, please refer to www.leuphana.de/en/services/travel-directions

CONFERENCE SITE

Enjoy the atmosphere and diversity of a historic town with a medieval town centre, which is young at heart and only about 30 minutes away from the vibrating city of Hamburg.