

**Program of the 9th S3C Summer School on
Sustainable Chemistry for Sustainable Development
10.07.2023 – 14.07.2023, Leuphana University, Lüneburg**

MONDAY, 10 JULY PART1: CONCEPTS OF SUSTAINABLE CHEMISTRY	
8:30am – 9:00am	Registration (Location: Lecture Hall 5 Leuphana University)
9:00am – 9:30am	Welcome by the Hosting Institutions Dr. Thomas Wanner, ISC3, Germany Dr. Detlef Schreiber, GIZ, Climate Action Programme for the Chemical Industry - CAPCI Prof. Dr. Klaus Kümmerer, ISC3 R&EH / Leuphana University, Lüneburg, Germany
9:30am – 11:00am	Sustainable Chemistry in a Nutshell Prof. Dr. Klaus Kümmerer, ISC3 R&EH / Leuphana University, Lüneburg, Germany
11:00am – 11:30am	Coffee Break
11:30am – 12:30pm	Introductory round – expectations and experiences
12:30pm – 2:00pm	Lunch Break
2:00pm – 3:00pm	SAICM – Ready for the next step towards more sustainability? Dr. Christopher Blum, German Environment Agency, Germany
3:00pm – 3:20pm	Education in sustainable chemistry study programmes Rebecca Holtmann, ISC3 R&EH / Leuphana University, Lüneburg, Germany
3:20pm – 3:45pm	Coffee Break
3:45pm – 4:45pm	Social Entrepreneurship For Sustainable Development in Africa. The African Climate Innovation Challenge (ACIC) Contimi Kenfack, 3 E's 4 Africa Eleanore Mensah, Start.Up Lounge Africa
4:45pm – 5:00pm	Feedback Round and Organizational Matters, Links and Lessons Learned
5:00pm	<i>Group picture (meeting point Lecture Hall 5)</i>
18:00pm	Welcome Dinner Klippe, Universitätsallee 1, Leuphana, Leuphana Central Building

TUESDAY, 11 JULY PART 1: CONCEPTS OF SUSTAINABLE CHEMISTRY

9:00am – 9:15am	Introduction to 2nd day Prof. Dr. Klaus Kümmerer, ISC3 R&EH / Leuphana University, Lüneburg, Germany
9:15am – 10:15am	UNEP Green and Sustainable Chemistry Manuals Dr. Achim Halpaap, UNEP
10:15am – 11:15am	Overview on EU Green Deal Dr. Thomas Jakl, Federal Ministry Republic of Austria Climate Action, Environment, Energy, mobility, Innovation and Technology, Austria
11:15am – 11:30am	Coffee Break
11:30am – 12:30pm	European chemical strategy for sustainability –safe and sustainable by design Assoc Prof. Emma Strömberg, Swedish Environmental Research Institute, Sweden
12:30pm – 1:30pm	Lunch Break
1:30pm – 2:30pm	The Business Model of Chemical Leasing Dr. Reinhard Joas, CS3 GmbH
2:30pm – 3:00pm	Coffee Break
3:00pm – 4:00pm	Climate modelling in the context of policy guidance and risk-assessments Prof. Dr. Markus Quante, Helmholtz-Zentrum hereon, Germany
4.00pm – 5.00pm	Sources of Data and Software Tools Useful for Sustainable Chemistry Prof. Dr. Klaus Kümmerer, ISC3 R&EH / Leuphana University, Lüneburg, Germany
5:00pm – 5:15pm	Organizational Matters

WEDNESDAY, 12 JULY

PART 2 CLIMATE CRISIS

9:00am – 9:20am	Introductory note: The nexus chemistry climate change - with a special focus on developing countries and emerging economies Dr. Detlef Schreiber, GIZ, Climate Action Programme for the Chemical Industry - CAPCI		
9:20am – 10:15am	Opportunities for the chemical industry under Article 6 of the Paris Agreement Dr. Karla Solis, UNFCCC		
10:15am – 11:15am	Tackling climate change and transforming into a Circular Economy: View from the private sector Tara Nitz, COVESTRO, ICCA		
11:15am – 11:30am	Coffee break		
11:30am – 12:30pm	Sector Coupling – The Transformation of the chemical industry and related industries to CO₂ neutrality Dr. Marcel Loewert, Marcel, Provadis-Hochschule, Germany		
12:30pm – 1:30pm	Lunch Break		
01:30pm – 4:00pm	<p>Workshop I Industrial Clusters: tapping the potentials of inter-company cooperation and circular economy for climate protection Dr. Michael Weber, Weber Sites Consulting, Germany Co-facilitator Sarah Andreas, GIZ</p>	<p>Workshop II Greenhouse gas accounting for the chemical industry Dr. Karla Solis, UNFCCC Co-facilitator Paola Bustillos, GIZ</p>	<p>Workshop III Roadmaps for greenhouse gas mitigation in the chemical industry Dr. Detlef Schreiber, GIZ Co-facilitator Pimpilas Nuntiphon, GIZ</p>
4:15pm – 5:15pm	Plenary: Reporting and Discussion of Main Findings from the Workshops Participants, Prof. Dr. Klaus Kümmerer, ISC3 R&EH / Leuphana University, Lüneburg, Germany, Dr. Detlef Schreiber, CAPCI		
5:15pm – 5:30pm	Organizational Matters		

THURSDAY, 13 JULY

PART 2: Excursion

Cement Plant Holcim

8:15am

Departure from Lüneburg, Universitätsallee 1, in front of the central building (be on time)

11:00am

Introduction to the Cement Plant Holcim

12:15pm

Lunch Break

13:00pm – 14:50pm

Theoretical part: Presentation and discussion

15:00pm

End of Excursion and return to Lüneburg

Stop at S-Bahn Station Bahrenfeld, if you like to visit Hamburg, you can use the public transport to the city center (on own expenses)

FRIDAY, 14 JULY

PART 2: CLIMATE CRISIS

9:00am – 11:00am

Poster session

Participants, moderation Prof. Dr. Klaus Kümmerer and Team, ISC3 R&EH / Leuphana University Lüneburg, Germany

11:00am – 11:15am

Coffee Break

11:15am – 12:45pm

Lessons Learned and My Take Home Message

Participants, moderation Prof. Dr. Klaus Kümmerer and Team, ISC3 R&EH / Leuphana University Lüneburg, Germany

12:45pm – 1:00pm

Wrap up, Certificates, Concluding Remarks and Farewell

Prof. Dr. Klaus Kümmerer and Team, ISC3 R&EH / Leuphana University Lüneburg, Germany

1:00pm

End of Summer School & Departure of Participants