

**Preliminary Program of the 10<sup>th</sup> S3C Summer School on  
Sustainable Chemistry for Sustainable Development  
08.07.2024 – 12.07.2024, Leuphana University, Lüneburg**

**MONDAY, 8 JULY      PART1: CONCEPTS OF SUSTAINABLE CHEMISTRY**

**8:30am – 9:00am      Registration (Location: Lecture Hall 5 Leuphana University)**

**9:00am – 9:10am      Welcome by the Hosting Institutions**  
Prof. Dr. Klaus Kümmerer, ISC3 R&EH / Leuphana University, Lüneburg, Germany  
**9:10am – 9:20am      Associate Prof. Dr. Emma Strömberg, Swedish Environmental Research Institute, Sweden**  
**9:20am – 9:30am      Dr. Thomas Wanner, GIZ / ISC3 Head Office, Germany (tbc)**

**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      Campus tour + Lunch Break**

**2:00pm – 3:00pm      An Introduction to Green Chemistry – Focus on Renewable Resources  
(tbc)**

**3:00pm – 4:00pm      tba**

**4:00pm – 4:20pm      Coffee Break**

**4:20pm – 4:50pm      Education in sustainable chemistry study programmes**  
Dr. Rebecca Holtmann, ISC3 R&EH / Leuphana University, Lüneburg, Germany

**4:50pm – 5:00pm      Feedback Round and Organizational Matters, Links and Lessons Learned**

**5:00pm      *Group picture (meeting point Lecture Hall 5)***

**18:00pm      Welcome Dinner**

**TUESDAY, 9 JULY      PART 1: CONCEPTS OF SUSTAINABLE CHEMISTRY**

<b>9:00am – 9:10am</b>	<b>Introduction to 2<sup>nd</sup> day</b> Prof. Dr. Klaus Kümmerer, ISC3 R&EH / Leuphana University, Lüneburg, Germany
<b>9:10am – 10:10am</b>	<b>tba</b>
<b>10:10am – 11:10am</b>	<b>European Chemicals Strategy for Sustainability – Safe-and-Sustainable-by-Design (SSbD)</b> Associate Prof. Dr. Emma Strömberg, IRISS / Swedish Environmental Research Institute, Sweden
<b>11:10am – 11:30am</b>	<b>Coffee Break</b>
<b>11:30am – 12:30pm</b>	<b>Introduction to Benign by Design</b> Prof. Dr. Klaus Kümmerer, ISC3 R&EH / Leuphana University, Lüneburg, Germany
<b>12:30pm – 1:30pm</b>	<b>Lunch Break</b>
<b>1:30pm – 2:00pm</b>	<b>tba</b>
<b>2:00pm - 2:30pm</b>	<b>Challenges of implementation SSbD in the nanomedical field</b> Dr. Johanna Scheper, BioNanoNet Forschungsgesellschaft mbH, Austria
<b>2:30pm – 3:00pm</b>	<b>Coffee Break</b>
<b>3:00pm – 4:00pm</b>	<b>tba</b>
<b>4.00pm – 5.00pm</b>	<b>tba</b>
<b>5:00pm – 5:15pm</b>	<b>Organizational Matters</b>

**WEDNESDAY, 10 JULY      PART 2: Safe-and-Sustainable-by-Design**

<b>9:00am – 9:10am</b>	<b>Introduction to 3<sup>rd</sup> day</b> Associate Prof. Dr. Emma Strömberg, Swedish Environmental Research Institute, Sweden
<b>9:10am – 10:10am</b>	<b>Value chain perspective: Does the SSbD framework support innovation?</b> Anne Chloe Devic, SSbD Consulting Europe for CEFIC
<b>10:10am – 11:10am</b>	<b>Integration of tools for Risk Assessment and Life Cycle-Assessment in the context of SSbD</b> Dr. Tomas Rydberg, PARC / Swedish Environmental Research Institute, Sweden
<b>11:10am – 11:30am</b>	<b>Coffee break</b>
<b>11:30am – 12:30pm</b>	<b>tba</b>
<b>12:30pm – 1:30pm</b>	<b>Lunch Break</b>
<b>1:30pm – 4:00pm</b>	<p><b>The workshops run in parallel. Shortly before the Summer School there will be the possibility to register for one workshop.</b></p> <p><b>Workshop I</b> <b>Safe-and-Sustainable-by-Design: Value Chain specific Roadmaps</b> Anne Chloe Devic, SSbD Consulting Europe for CEFIC Cris Rocca, IRISS / University of Birmingham, United Kingdom</p> <p><b>Workshop II</b> <b>SSbD Supportive Roadmap</b> Dr. Lya G. Soeteman-Hernandez, IRISS / National Institute for Public Health and the Environment (RIVM), Netherlands Dr. Christina Apel, IRISS / Leuphana University, Germany</p> <p><b>Workshop III</b> <b>SSbD toolbox: Practical case examples and exercises of SSbD</b> Dr. Tomas Rydberg, PARC / Swedish Environmental Research Institute, Sweden</p>
<b>4:15pm – 5:15pm</b>	<b>Plenary: Reporting and Discussion of Main Findings from the Workshops</b> Participants, Prof. Dr. Klaus Kümmerer, ISC3 R&EH / Leuphana University, Lüneburg, Germany, Associate Prof. Dr. Emma Strömberg, Swedish Environmental Research Institute, Sweden
<b>5:15pm – 5:30pm</b>	<b>Organizational Matters</b>

**THURSDAY, 11 JULY**

**PART 2: Excursion**

**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**

**FRIDAY, 12 JULY**

**PART 2: Safe-and-Sustainable-by-Design**

**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**