

Time (CEST)	Monday 25 July 2022	Tuesday 26 July 2022	Wednesday 27 July 2022	Thursday 28 July 2022	Friday 29 July 2022	
	Part 1: CONCEPTS OF SUSTAINABLE CHEMISTRY	Part 1: CONCEPTS OF SUSTAINABLE CHEMISTRY	Part 1: CONCEPTS OF SUSTAINABLE CHEMISTRY	Part 2: SUSTAINABLE CHEMISTRY IN HYDROGEN ECONOMY	Part 2: SUSTAINABLE CHEMISTRY IN HYDROGEN ECONOMY	
12.30 – 12.45 p.m.	Netiquette / Organizational issues	Challenges and Opportunities to implement green and sustainable chemistry in developing countries in the context of the SAICM beyond 2020 process Nalini Sharma, UN	Introduction Sustainable Chemistry and Hydrogen Economy Prof. Dr. Klaus Kümmerer, ISC3 R&EH / Leuphana University	The Uruguayan Green Hydrogen Roadmap María José Gonzalez, Ministerio de Industria, Energía y Minería (MIEM), Uruguay	Panel Discussion: How to make Hydrogen Economy Sustainable Panellists: Ms. Zainab Datti Dr. Claudio Pistidda Dr. Michel Trudeau	
12.45 – 1.00 p.m.	Welcome Session Prof. Dr. Sascha Spoun, President of Leuphana University		Open discussion round Experiences of participants			
1:00 – 1:15 p.m.	Dr. Thomas Wanner, Managing Director ISC3, Bonn, Germany					
1.15 – 1.30 p.m.	Prof. Dr. Klaus Kümmerer ISC ₃ R&EH / Leuphana University	Gender and Sustainable Chemistry Anna Holthaus, MSP Institute Germany	Options for hydrogen production and Power- to-X: Implications for Greenhouse Gas Neutrality and Sustainability Dr. Alexis Bazzanella, DECHEMA and Head of Innovation Hub ISC ₃ , Germany	Sustainable Synthesis of Materials for Hydrogen Storage Dr. Claudio Pistidda, Helmholtz-Zentrum hereon GmbH, Germany		
1.30 – 1.45 p.m.	Introductory Round					
1.45 – 2.00 p.m.						
2.00 – 2.30 p.m.	Break	Break	Break	Break	Break	

Contact: summerschool-s3c@leuphana.de

Check out our Sustainable Chemistry Studies Courses:

<https://www.leuphana.de/en/professional-school/masters-studies/sustainable-chemistry.html>

<https://www.leuphana.de/en/professional-school/masters-studies/sustainable-chemistry-management.html>

Programme as of 22 July 2022

Time (CEST)	Monday 25 July 2022	Tuesday 26 July 2022	Wednesday 27 July 2022	Thursday 28 July 2022	Friday 29 July 2022
	Part 1: CONCEPTS OF SUSTAINABLE CHEMISTRY	Part 1: CONCEPTS OF SUSTAINABLE CHEMISTRY	Part 2: SUSTAINABLE CHEMISTRY IN HYDROGEN ECONOMY	Part 2: SUSTAINABLE CHEMISTRY IN HYDROGEN ECONOMY	Part 2: SUSTAINABLE CHEMISTRY IN HYDROGEN ECONOMY
2.30 – 2.45 p.m.	Sustainable Chemistry in a nutshell Prof. Kümmerer / ISC ₃ R&EH / Leuphana University	Sources of Data and Software Tools Useful for Sustainable Chemistry Prof. Dr. Klaus Kümmerer, ISC ₃ R&EH / Leuphana University	The Role of Hydrogen in Clean Energy Transitions Dr. Uwe Remme, International Energy Agency, France	Parallel workshops from 2.30 until 4.30 CEST (participation subject to separate registration)	Reporting from the Workshops, Lessons Learned and My Take Home Message Participants, moderation Prof. Dr. Klaus Kümmerer ISC ₃ R&EH / Leuphana University
2.45 – 3.00 p.m.					
3.00 – 3.15 p.m.					
3.15 – 3.30 p.m.		SSbD; connect for the better Dr. Adriëne Sips, National Institute for Public Health and the Environment The Netherlands	Networking Session		
3.30 – 3.45 p.m.					
3.45 – 4.00 p.m.					
4.00 – 4.15 p.m.	Education in sustainable chemistry study programmes Lisa Keßler, Dr. Svenja Schloss PS Leuphana	Systems Thinking, Planetary Boundaries and the Molecular Basis of Sustainability Prof. Dr. Peter Mahaffy, The King's University, Canada	Challenges and opportunities in the transition to Hydrogen Economy in Nigeria and Sub-saharan Africa Zainab Datti, Technical Advisor, Nigeria	End of Day 4	Wrap up & Conclusion Prof. Dr. Klaus Kümmerer and Team, ISC ₃ R&EH / Leuphana University
4.15 – 4.30 p.m.					
4.30 – 4.45 p.m.					
4.45 – 5.30 p.m.			The Hydrogen Economy – some economical and materials research considerations Dr. Michel Trudeau, Institut de Recherche d'Hydro-Québec (IREQ), Canada		End of Summer School 2022