

## Summer School on Sustainable Chemistry for Sustainable Development and Agriculture



| Time                                     | Monday   | Tuesday  | Wednesday  | Thursday  | Friday   |
|--|--|--|--|---|--|
| (CEST)                                   | 12 July 2021   | 13 July 2021   | 14 July 2021   | 15 July 2021  | 16 July 2021   |
|  | Part 1:<br>CONCEPTS OF<br>SUTAINABLE<br>CHEMISTRY                        | Part 1:<br>CONCEPTS OF<br>SUTAINABLE<br>CHEMISTRY  | Part 1:<br>CONCEPTS OF<br>SUTAINABLE<br>CHEMISTRY  | Part 2:<br>SUSTAINABLE<br>CHEMISTRY AND<br>AGRICULTURE  | Part 2:<br>SUSTAINABLE<br>CHEMISTRY AND<br>AGRICULTURE                             |
| 12.00 – 12.15 p.m.<br>12.15 – 12.30 p.m. | Informal Networking<br>(Wonder.me)                                       | Participants' activities<br>& Networking<br>(Wonder.me)  | Presentation of own activities & networking (Wonder.me)  | Presentation of own activities & networking (Wonder.me)   | Presentation of own activities & networking (Wonder.me)                            |
| 12.30 – 12.45 p.m.<br>12.45 – 1.00 p.m.  |  | Sustainable Chemistry  | Chemistry and agriculture:   | Substitution of yeast extract in industrially   | We need to change the economics of our food  |
| 1:00 – 1:15 p.m.                         | Netiquette /<br>Organizational issues                                    | Manuals<br>Sandra Averous-<br>Monnery, UNEP  | approaching<br>sustainability using<br>systems thinking<br>Prof. Dr. Stephen<br>Matlin, Imperial College<br>London | relevant bioprocesses Dr. Anja Kuenz, Johann Heinrich von Thünen Institute, Germany   | systems! Alexander Müller, Managing Director of TMG - Thinktank for Sustainability |
| 1.15 – 1.30 p.m.                         | Welcome Session Prof. Dr. Sascha Spoun, President of Leuphana University | European chemical strategy for sustainability – the key role of innovation in safe and sustainable by design Dr. Xenia Trier, European Environment Agency, Denmark | Sustainability and<br>sustainable chemistry<br>at Elsevier<br>Rob van Daalen,<br>Elsevier B.V.                     | Sustainability assessment of organic waste recycling Dr. Sergiy M. Smetana, DIL German Institute of Food Technology Germany | A social-ecological systems perspective Prof. Dr. Jörn Fischer Leuphana University |
| 1.30 – 1.45 p.m.                         | Dr. Thomas Wanner,<br>Managing Director<br>ISC3, Bonn, Germany           |  |  |   |  |
| 1.45 – 2.00 p.m.                         | Prof. Dr. Klaus Kümmerer ISC <sub>3</sub> R&EH / Leuphana University     |  |  |   |  |
| 2.00 – 2.30 p.m.                         | Break  | Break  | Break  | Break   | Break  |



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| 2.30 – 2.45 p.m.                     | Sustainable Chemistry   | The Business Model of Chemical Leasing — 20 years of experience in how to make circular economy happen Dr. Thomas Jakl,                                     | Sustainable Chemistry<br>and Agriculture<br>Introduction<br>Prof. Dr. Klaus<br>Kümmerer, ISC <sub>3</sub> R&EH<br>/ Leuphana University |  | Reporting from the<br>Workshops, Lessons<br>Learned and My Take<br>Home Message      |
| 2.45 – 3.00 p.m.                     | in a Nutshell Prof. Kümmerer / ISC <sub>3</sub> R&EH / Leuphana University  SAICM and the sound management of chemicals and waste Dr. Anja Klauk Federal Environment Agency | Federal Ministry of<br>Agriculture, Regions<br>and Tourism, Austria   | Sustainable<br>Chemistry, from farm<br>to fork  | Parallel workshops from<br>2.30 until 5.30 CEST<br>(participation subject to<br>separate registration) | Participants, moderation<br>Prof. Dr. Klaus Kümmerer<br>ISC <sub>3</sub> R&EH /      |
| 3.15 – 3.30 p.m.                     |   | Sources of Data and<br>Software Tools Useful<br>for Sustainable<br>Chemistry<br>Prof. Dr. Klaus<br>Kümmerer, ISC <sub>3</sub> R&EH<br>/ Leuphana University | Prof. Dr. Vania Zuin<br>Zeidler<br>Federal University of Sāo<br>Paulo/Brazil and<br>Administrative Professor<br>Leuphana University     |  | Leuphana University  |
| 3.30 - 3.45 p.m.<br>3.45 - 4.00 p.m. |   |   | The chemical industry for a (non-)sustainable agriculture: The example of Gabes   |  | Sustainable Chemistry Studies Programme Dr. Myriam Elschami Wrap up & Conclusion     |
| 4.00 – 4.15 p.m.                     |   |   | region, Tunisia Ass.Prof. Borhane Mahjoub University of Sousse/ Tunisia   |  | Prof. Dr. Klaus Kümmerer<br>and Team, ISC <sub>3</sub> R&EH /<br>Leuphana University |
| 4.15 – 4.30 p.m.<br>4.30 – 4.45 p.m. |   | Presentation of own activities & networking (Wonder.me) Participants (open end)   | Presentation of own activities & networking (Wonder.me) Participants (open end)   |  |  |
| 4.45 – 5.30 p.m.                     | Online networking (Wonder.me open end)  |   |   |  |  |