

Circularity workshop program Sept 28-29

Monday Sept 28

Magneli Hall, Arrhenius Laboratory, Stockholm University (SU)

13.00-13.10 Welcome

13.10-14.50 Session 1: Circular carbon (biobased)

Chair [Audrey Moores](#), McGill University, Canada (WISE Invited Professor at SU)

13.10 [Catharina Bening](#), ETH, Switzerland “*Bio-Based, Not Limitless: The Myth of an Age of Abundance*”

13.40 [Mika Sipponen](#), Dept. of Chemistry, SU (SUCCeSS PI, WISE PI) “*Lignin macromolecules as a bio-based materials platform*”

14.00 [Sandra Kaabel](#), Aalto University, Finland “*Functional Materials from (Ligno)cellulose Using Solid-State Methods*”

14.20 Panel discussion

14.50-15.20 Fika

15.20-16.50 Session 2: Toxic chemicals in circular streams

Chair: Aji Mathew, Dept. of Chemistry, SU

15.20 [Patrik Andersson](#), IVL “*Computational approaches to find emerging pollutants early*”

15.40 [Oskar Karlsson](#), Dept. of Environmental Science, SU (SUCCeSS board member) “*Understanding the Impact of Chemicals through Molecular Research - Mechanistic toxicology for safe & sustainable-by-design chemistry*”

16.00 [Anneli Kruve](#), Dept. of Chemistry, SU (SUCCeSS PI, WISE PI) “*Detecting and discovering chemical hazard with analytics and machine learning*”

16.20 Panel discussion

16.50-17.30 Group discussions (K433, K439, K441, K447)

Tuesday Sept 29

DeGeer Hall, Geoscience building, 2nd floor & Magneli Hall

9.00-11.00 Session 3: Life cycle assessment in circular materials research (DeGeer hall)

Chair: [Lennart Bergström](#), Dept. of Chemistry, SU

9.00 [Erlantz Lizundia](#), University of Basque Country, Spain (WISE Invited Professor) “*Life cycle assessment to guide the development of (actually) sustainable bioproducts*”

9.30 [Anna Björklund](#), Dept. of Sustainable Development, Environmental Science and Engineering (SEED), KTH “*What kind of science is LCA, why has it become so influential, and does it deserve it?*”

9.50 [Joseph Samec](#), Dept. of Chemistry, SU (SUCCeSS board member, WISE Director for Sustainability) “*A journey from atom economy to impact assessment*”

10.10 [Jing Huo](#), ETH, Switzerland “*Circular, but is it sustainable? What LCA and systems analysis tell us about closing carbon loops*”

10.30 Panel discussion

11.00-11.40 Poster session with fika (outside Magneli Hall)

Walk together to Stora Skuggan

12.00 Group photo

12.15-13.10 Lunch at Stora Skuggan

Walk back to Magneli Hall

13.30-15.10 Session 4: Circular carbon (fossil-based) (Magneli Hall)

Chair: [Niklas Hedin](#), Dept. of Chemistry, SU

13.30 [Bernhard von Vacano](#), BASF, Germany “*Circular Carbon for Chemistry – Transforming fossil raw materials*”

14.00 [Magdalena Titrici](#), Imperial College London, UK (WISE Invited Professor at SU) “*Circular PE recycling with electricity*”

14.30 [Belen Martin-Matute](#), Dept. of Chemistry, SU (Co-PI of WISE Circulab infrastructure) “*CO₂ as a Feedstock for Value-Added Organic Products*”

14.50 [Kostas Parkatzidis](#), Dept. of Chemistry, SU “*Making and Unmaking Polymers*”

15.10 Panel discussion

15.40-16.00 Fika

16.00-16.40 Group discussions (K433, K439, K441, K447)

16.45-17.00 Concluding remarks

Organizing Committee

[Berit Olofsson](#), SU (Deputy Director SUCCeSS)

[Aji Mathew](#), SU (Director SUCCeSS, Co-PI of WISE Circulab infrastructure)

[Lennart Bergström](#), SU (WISE PI)