



The 8th International Summer School on Life Cycle Approaches to Sustainable Regional Development

– Program | v9 April 2019 –

Theme: *“Life Cycle Toolbox for Regional Circular Economies”*

The theme of the 2019 summer school reflects the emergence of circular economy as a fast-growing regional issue in on-going sustainability dialogue. A wider application of life cycle tools allows a more holistic treatment of the circular economy’s contribution to regional sustainability, with emphasis on optimising materials flows, increasing resource efficiency, changing consumption patterns, and evolving waste management practices towards recycling and waste recovery.

28 August – 01 September 2019

Berlin, Germany

Organized by



Week of 19 August - Preparatory webinars

- Basics and update on LCA and LCM
- Basics and update on circular economy
- Circular Economy as part of sustainability policy across the EU

DAY 1 - Wednesday, 28 August | Thematic overview

- Introduction to summer school objectives and programme.
- Thematic introduction « Regional SDGs as backdrop to circular economy »
- Keynote 1 on “Development, status and application of circular economy”
- Presentation on “Regional experience with circular economy and LCA in Chile”
- Technical overview “The universe of life cycle tools and their relevance to regional circular economy”
- Workshops on “Life cycle tools for regional circular scenarios” (materials, waste, biomass, energy)

DAY 2 - Thursday, 29 August | Assessing materials flow in a circular economy

- Keynote 2 on “Waste and materials flows in a circular economy”
- Regional case study “Circular economy basis for zero waste management in Scotland”
- Workshops on “Assessment methodologies for regional waste flows”
- Lecture on “Calculating circular biomass flows in a regional bio-economy”
- City visit in Berlin

DAY 3 - Friday, 30 August | Defining an expanded CE Toolbox for regions

- Lecture and workshops on “Social LCA in the context of regional circular economy”
- Lecture on “*Organizational-LCA for Regions*”
- Lecture “*Role of expanded LCC in regional circular economy implementation*”
- Presentation and discussion on “*Evolving LC methods for regions – biodiversity, land, landscape, etc.*”
- Workshops on “*Assembling a lifecycle assessment toolbox for Region X*”
- Social dinner

DAY 4 - Saturday, 31 August | Transforming assessment into regional CE action

- Presentation on “Methods for regional circular economy studies – the case of South Australia”
- Lecture and Workshops on “*LCA for circular public procurement*”
- Keynote 3: “*Update on international circular bio-economy programmes*»
- Lecture and Workshops on “LCM principles; application to regional circular economy”
- Discussion and workshops on “Circular economy models, LCA, and implications for regional SDGs “
- Feedback from Workshops

DAY 5 - Sunday, 1 September (1/2 day) | Synthesis

- Short summaries from working groups, and student feedback.
- Thematic synthesis, discussions and summing up. Final statements.
- Inspirational lecture
- Closure and farewell