

Training School

Circular Economy in Europe and Africa

Date: 25 - 29 April, 2022

Location: Volkshaus Marklstraße, Großer Saal,
Ferdinand-Markl-Straße 4, 4040 Linz, Austria

This Training School is jointly organized by the [Costa Action Circular City](#), [Reykjavik University](#) (RU), the [Institute of Polymeric Materials and Testing](#) (IPMT), [African Network for Solar Energy \(ANSOLE\)](#) and the [Energy Institute at the Johannes Kepler University](#) (EI-JKU). Participation is free of charge, limited traveling grants are available from the [Cost Action Circular Cities](#).

Target audience: Postgraduates, international professionals, interested fellows

Join our training school in Linz, Upper Austria, and discover challenges and opportunities of circular economy focusing on material recovery. We will discuss real life examples of material recovery in modern factories in Linz, Austria and look at the opportunities for developing countries in Africa. Participants will get the chance to work on individual project, interact with experts from various fields and build valuable connections for future collaborations. We look forward welcoming in Linz, Austria. People who cannot travel to Austria can register and attend to the various lectures online.

Tentative program

Program Committee: [Dr. Daniel Ayuk Mbi Egbe](#) (EI-JKU, IPMT, ANSOLE), [Assoc. Prof. Dr. Jörg Fischer](#) (IPMT), [Prof. Dr. Reinhold Lang](#) (IPMT) and [Dr. David Finger](#) (RU, EI-JKU).

Day	Topic	Responsibility and moderation
Mon 25.04.2022 9.00 – 12.00	Introduction: Cost action “Circular Cities”	Dr. Langergraber, Dr. Kisser, Dr. Finger
Mon 25.04.2022 13.00 – 17.00	Circular economy: "Material recovery" using NBS	Dr. Kisser
Tue 26.04.2022 9.00 – 12.00	Circular economy: LIT Factory: polymer recovery	Assoc. Prof. Dr. Fischer
Tue 26.04.2022 13.00 – 17.00	Circular economy: Austria – exercises	Assoc. Prof. Dr. Fischer
Wed 27.04.2022 9.00 – 12.00	Circular economy: Energy modelling	Mr. Musonye, Dr. Finger
Wed 27.04.2022 13.00 – 17.00	Circular economy: Sustainability in Africa & Europe	Prof. Lang, Dr. Egbe
Thu 28.04.2022 9.00 – 12.00	Circular economy: Plastic recycling & waste management (focus: Nairobi, Kenya)	Prof. Lang, Dr. Egbe
Thu 28.04.2022 14.00 – 17.00	Circular economy: Waste Management & Material recovery in Kigali, Rwanda and in a (to be selected) West African city	Prof. Lang, Dr. Egbe
Fri 29.04.2022 9.00 – 12.00	Excursion Circular economy	Assoc. Prof. Dr. Fischer, Dr. Finger
Fri 29.04.2022 13.00 – 17.00	Final presentation of participants projects at the IAT in Traunkirchen	Assoc. Prof. Dr. Fischer, Dr. Egbe, Dr. Finger

Assignments

Assi.	Topic	Delivery date
1	Circular economy project: participants are expected to prepare a 20min presentation about their circular economy project.	Fri 29.04.2022
2	LIT Factory: an interdisciplinary factory on the JKU campus focusing on circular solutions for polymer processing.	Tue 26.04.2022
3	Circular economy: Africa with focus Nairobi Kenya: Presently the city of Nairobi counts a number of plastics recycling businesses, the most prominent one being Mr. Green Africa. Mr. Green Africa works in close collaboration with the Institute of Polymeric Materials and Testing (IPMT) of JKU Linz. Two representatives of Mr. Green Africa, Mr Kelvin Ndegwa, Head of Manufacturing Operations and Ms Jacinter Akoth, Quality Control Manager, will attend the school and lecture on the plastics recycling business model of their company. Moreover, Mr Hibrahim Otieno, Deputy Director of Environment at the Nairobi City Council has been invited to lecture on Nairobi's waste management concept. Thus, two presentations with lengthy discussions with participants are planned in the morning period of Thursday.	Thu 28.04.2022 9.00-12.00
4	Circular economy: Africa with focus Kigali, Rwanda: Kigali is known to be the cleanest and greenest city in Africa. How does Kigali manage its wastes as compared to Nairobi or other sub-Saharan African cities? What aspects of circular economy are implemented in their waste management approach? To answer these questions, the person in charge of Kigali's waste management (or one of her/his representatives) will be invited to present and exchange with participants on Kigali's approach during the afternoon of Thursday.	Thu 28.04.2022 14.00 – 15.30
5	Circular economy: Africa with focus on a West African City: Additional to Nairobi and Kigali, which are East African cities, the School will showcase waste management of a West African city (to be selected soon).	Thu 28.04.2022 15.30 – 17.00
6	Circular economy: Africa– exercises: Based on the inputs from Nairobi and Kigali and the selected West African city the School's participants may be asked to compare the 3 waste management concepts taking into consideration aspects of circular economy and suggest ways of improvement, which can be applicable to other (sub-Saharan) African cities.	Fri 29.04.2022 9.00 – 12.00