

CircularChem Workshop Agenda

23rd November 2023

Creating a circular chemicals manufacturing industry is a global challenge. The team at Edinburgh Business School (EBS), Heriot Watt University has been working on the development of a systems dynamics-based simulator, rather similar to EnROADS climate change simulator, to model how various interventions and innovations we make today may impact on the rate of transition towards a circular chemical economy.

The purpose of the workshop is to introduce the work done so far and engage the participants in a conversation around two questions:

1. Are we using the right variable/measures?
2. what are the likely future scenarios you would like us to model?

Agenda

Time	Title	Speakers
11.00 – 11.10	Introduction and Welcome	WRAP & Prof. Bing Xu
11.10 – 11.20	Motivations and Vision	Prof. Umit Bititci
11.20 – 11.40	Overview of System Dynamics Model	Dr. Rossen Kazakov
11.40 – 12:20	Workshop 1: Success measure and enablers This will be an interactive session where the team presents key variables in the SD system. Participants are invited to review and discuss success measures and key variables that constitute the model. Our objective is to ensure we capture all critical elements while eliminate unnecessary complexity.	
12.20 – 12.50	Workshop 2: Creating Scenarios for the Future This will be an interactive session, where we will ask participants working in groups to generate potential future scenarios using the input variables discussed above.	
12.50 – 1pm	What's next? A Delphi study on the stimulator.	Prof. Umit Bititci