

Closed Cycles and the Circular Society - The Power of Ecological Engineering

<https://closedcycles2020.ch/>

Concept of Task & Case Study Sessions Information for hosts and participants

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At the Closed Cycles 2020 Symposium, we put a strong focus on the practice of closing material cycles by following an integrative ecological engineering approach. This “marriage” of ecology and engineering to a single, innovative design framework requires new procedures and new tools (which in parts do not even exist yet).

During the “Task and case study” sessions at Closed Cycles 2020, we aim to explore and contribute to the development this design framework. A mandatory prerequisite is sufficient time: time for getting to know each other’s perspectives, exploring this new approach, listening, asking questions and getting into a creative mindset.

Usually, scientific conferences do not care too much about integration. In this symposium, we will! Based on the “Task and case study” sessions, a state-of-the art paper on the “ecological engineering design framework” (working title) is planned after the symposium.

What is the difference between “task” and “case study” sessions?

- Tasks are unsolved & complex problems with a concrete interest to solve them, e.g. the revitalization of a former industrial zone that was abandoned, the transition from non-renewable to renewable energies, the transformation of an urban district with old houses towards zero carbon etc.
- Case studies either are existing projects, in their realization phase, or completed projects, that raise new open questions (e.g., upscaling issues, operative or conceptual issues etc).

How does the setting of the “Task and case study” sessions look like?

- Each “task or case study” (T&C) session will have a host who facilitates the session
- The number of participants cannot exceed 20 persons (ideally not more than 10)
- The host is responsible for an open and welcoming atmosphere. Ideally, a T&C session should “feel” like a meeting among friends
- It is up to the hosts how they want to direct and facilitate their session (e.g., use of a design thinking approach); the organizers aim to provide adequate online tools¹

¹ The decision on the online tool of choice is still pending (May 19, 2020)

- The host must formulate open questions to stimulate the discussion
- A maximum of 1/3 of the time can be assigned to thematic input
A minimum of 2/3 of the time must be reserved for discussion
- A T&C session may contain one or several tasks/case studies and may last from at least 1 hour one day to a max. of 7 hours within 3 days (if related several tasks and case studies are lined up and combined).
- The duty of the T&C session hosts is to summarize the outcome (e.g., a list of suggested ideas or measures) for the envisioned “ecological engineering design framework”

Symposium’s program (state of planning May 19, 2020):

Time UTC+2	Sep. 2, 2020			Sep. 3, 2020			Sep. 4, 2020		
	Main "Room"	Parallel "Room" 1	Parallel "Room" 2	Main "Room"	Parallel "Room" 1	Parallel "Room" 2	Main "Room"	Parallel "Room" 1	Parallel "Room" 2
Zürich									
08:00	Keynote 1						Keynote 5		
08:15	ZHAW+IEES+Intro+ClosedCycles			Open Space (EUR, late Asia/AUS) e.g., Posters, student events, round table seminars for sponsors (75 min)			M. Dyer (UTC+12)		
08:30									
08:45		Break						Break	
09:00									
09:15	Panel 1 (90 min) G. Dale (UTC+10)			Keynote 2 NN (Circular Cities)			Session 4 Space (EUR, Asia + AUS) (90 min)		
09:30	Education in Ecological Engineering								
09:45									
10:00									
10:15									
10:30		Break						Break	
10:45									
11:00				Session Space 2 (EUR, Asia + AUS) (90 min)			Panel 3 (90 min) A. Kälin (EPEA Panel)		
11:15	Task & Case Study Space 1 (EUR, Asia + AUS) (90 min)								
11:30									
11:45									
12:00									
12:15		Break						Break	
12:30									
12:45				Task & Case Study Space 3 (EUR, Asia + AUS) (90 min)			Open Space (EUR, late Asia/AUS, early Americas) e.g., Posters, student events, round table seminars for sponsors (75 min)		
13:00	Open Space (EUR, late Asia/AUS, early Americas) e.g., Posters, student events, round table seminars for sponsors (75 min)								
13:15									
13:30									
13:45		Break						Break	
14:00				Keynote 4 D. Austin (UTC-7)			Keynote 6 NN Circular Society		
14:15	Keynote 2 E. Morgenroth								
14:30									
14:45									
15:00		Break						Break	
15:15				Panel 2 (90min) G. Geller IOeV Network of Universities			Task & Case Study Space 4 (Eur. + Americas) (90 min)		
15:30	Session Space 1 (Eur. + Americas) (90 min)								
15:45									
16:00									
16:15									
16:30		Break						Break	
16:45									
17:00				Session Space 3 ((Eur. + Americas) (90 min)			SumUp & Farewell Co-Organizers IEES, ZHAW, IOeV, AEES, VUNA;		
17:15	Task & Case Study Space 2 (Eur. + Americas) (90 min)								
17:30									
17:45									
18:00									
18:15		Break							
18:30				Open Space (EUR, Americas) e.g., Posters, student events, round table seminars for sponsors (75 min)					
18:45	IEES Annual Assembly 2020 (virtual)								
19:00									
19:15									
19:30									
19:45		Break							
20:00									
20:15									
20:30									
20:45									
21:00	Social online event, e.g., Cooking across oceans (unconfirmed)			Social online event, e.g., Global virtual foxhunt (unconfirmed)					
21:15									
21:30									
21:45									
22:00									

The **light-red boxes** in the program are time slots reserved for tasks and case studies. In total, 360 minutes (= 6 hours) are reserved for them (the final program will depend on the number actual submissions)