




**Online Seminar:**

# Complexity-oriented methods in life-cycle thinking

*enhancing the study of sustainable  
socio-technical systems*

 June 7th, 2024

 15:00 - 17:00 (CEST)

 Online webinar



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**JULIEN WALZBERG**

Strategic Energy Analysis Center of the National Renewable  
Energy Laboratory (NREL) in the United States

**Agent-based modeling and simulation  
for the circular economy.**



**KOEN VAN DAM**

Urban Energy Systems group at the Faculty of  
Engineering in Imperial College London

**Applications of agent-based modelling in energy  
transitions for industrial networks and urban systems**



**TOMÁS NAVARRETE GUTIÉRREZ**

Environmental Research & Innovation (ERIN) department of the  
Luxembourg Institute of Science and Technology (LIST)

**Algorithmic complexity and computational  
difficulties in linking ABM to LCA**

**Organized by:**

Life Cycle Thinking  
for Complex-Systems  
*Initiative.*

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