

P15 - Innovation under resource constraints

5. INNOVATION for SUSTAINABILITY

Susanne Nilsson¹ (suni@kth.se)

Jennie Björk¹ (Jenniebj@kth.se), Mikael Samuelsson² (mikael.samuelsson@uct.ac.za), Badri Zohlfaghari² (badri.zolfaghari@uct.ac.za)

¹ KTH

² UCT University of Cape Town

Track summary: This research track targets research that focus on innovation under resource constraints. The track aim to foster discussion and share insights on how to innovate effectively when resources are limited. It adopts a broad lens, acknowledging that resource constraints can manifest in various forms—financial, material, human capital—and impact diverse sectors and communities worldwide.

By bringing together researchers and practitioners from diverse contexts, the track seeks to uncover strategies, frameworks, and real-world examples that highlight resilience and ingenuity in the face of scarcity. Research that explore how limited resources can sometimes act as a catalyst for creativity and encouraging unconventional problem-solving approaches to address complex societal or grand challenges are particularly emphasized.

The track will scrutinize both the challenges and opportunities that arise when resource reduction and conservation is the driving force, aiming to identify transferable lessons and scalable solutions. Through case studies, and empirical research, presenters will shed light on innovative practices that have emerged in various fields such as healthcare, education, agriculture, and energy.

The ultimate goal is to cultivate a rich repository of knowledge and to foster a community committed to advancing innovation in the context of resource constraints, contributing valuable insights and methodologies to navigate these complex challenges. In doing so, the track aspires to inspire actionable change, encouraging stakeholders across sectors to embrace resource limitations as a unique driver for innovation.