



## PRO-VE 2026

27th IFIP/SOCOLNET Working Conference on Virtual Enterprises  
Dynamics of Hybrid Collaborative Networks

### PRO-VE 2026 Special Session

#### Managing Dynamics in Circular Economy ecosystems

##### Scope

Circular Economy (CE) transitions depend on the coordinated action of deeply heterogeneous actors, with organisations, institutions, digital platforms, and increasingly AI systems operating across physical, organisational, and regulatory boundaries.

While traceability has traditionally been understood as a technical instrument for tracking materials and products, this perspective is now changing to a broader and more innovative conception of traceability as a governance instrument, needed for monitoring actor roles, support decision making and information flows, and the evolving network collaboration structure. This shift from product-level to network-level traceability is essential for CE systems, where value creation depends on multi-actor coordination across non-linear, extended lifecycles.

A further innovative dimension to address, is the use of simulation-based and data-driven modelling to assess structural transitions in CE networks. These tools can enable quantitative and empirical investigation of which circular outcomes are achieved, how circular practices spread across sectors and regions, and where structural barriers persist within collaborative ecosystems.

Compliance with emerging regulatory instruments (such as DPP, CBAM, CSDD, EPR) is also increasingly important, as these frameworks implicitly demand actor-level and governance-level collaboration far beyond what conventional supply chain systems provide.

Contributions are invited across CE-relevant sectors including urban resource recovery, agri-food systems, construction, textiles, and critical raw material supply chains, from perspectives spanning engineering, management, and social sciences.

##### Session Organizers

- Laura Macchion, University of Padova, Italy, [laura.macchion@unipd.it](mailto:laura.macchion@unipd.it)
- Edoardo Rampazzo (PhD), University of Padova, Italy, [edoardo.rampazzo.1@phd.unipd.it](mailto:edoardo.rampazzo.1@phd.unipd.it)
- Francesco Passuello (PhD), University of Padova, Italy, [francesco.passuello.1@phd.unipd.it](mailto:francesco.passuello.1@phd.unipd.it)

##### Topics/ Keywords

- Digital driven traceability for process improvement in CE
- Data collection and management for analysis of CE dynamics
- Models to manage trade-offs between control and collaboration
- Traceability for compliance with regulation like DPP, CBAM, CSDD
- Decentralized and federated governance of CE ecosystems
- Blockchain Interoperability for CE flows
- Traceability for social and environmental sustainability
- Data-driven analyses linking AI and digital technologies adoption with circular economy performance and outcomes

##### Submission procedure

Special sessions are included in the main Conference and follow the same reviewing process.

10 Apr 2026 - Abstract submission (optional)

8 May 2026 - Full paper submission

19 June 2026 - Results notification

3 July 2026 - Camera-ready version

26-28 October, 2026 - Conference

Acceptance of papers is based on the **full paper** (up to **16** pages). Each paper will be evaluated by three members of the International Program Committee.

When submitting on the web site, you have to indicate the name of the special session.

Submission procedure via Easychair available on: <http://www.pro-ve.org>, with copy by email to the chairs of the special session.