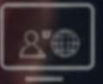


DECODE – 2nd Workshop on Distributed Ecosystem for Circularity through Open Digital Enablers and the Digital Product Passport

Co-located with CNSM 2026 (<https://cnsm-conf.org/2026/>) Alcalá de Henares (Madrid), Spain // 26 - 30 October, 2026



Organizing Chairs:

Martin Benedikt
Virtual Vehicle
Research GmbH

Pal Varga
Budapest University
of Technology and
Economics

Markus Tauber
Research Studios
Austria FG

Important Dates:

Submission Deadline:
August 14, 2026

Author notification:
September 11, 2026

Camera ready submission:
September 18, 2026

Manuscripts should use
IEEE 2-column conference
style. The limit is 6 pages
or 4 pages for position
papers (including
references).

Website, contact & Submission Link:

<https://decode.icb.at>

<https://edas.info/> TBD

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Description

As the transition to a circular economy accelerates, the creation of ecosystems for circularity depends increasingly on the development of robust digital foundations that promote transparency, collaboration, and sustainability. Open digital enablers—including distributed data services, interoperable platforms, and secure exchange mechanisms—are essential for realizing this vision. Central among these innovations is the Digital Product Passport (DPP), a dynamic instrument for capturing and sharing critical product lifecycle data to support sustainable production, use, and recovery.

This call for papers invites submissions that explore cutting-edge developments and practical implementations across the digital landscape underpinning **circular ecosystems**.

Relevant topics include but are not limited to: **Digital Product Passport data services and distributed architectures, federated data governance, data space technologies and interoperability, service ecosystems supporting circular business models, smart and digital supply chains, and decentralized governance frameworks.**

We also welcome contributions on **technical enablers of traceability and lifecycle tracking, secure data exchange with self-sovereign identities, identity management for DPPs, the role of data intermediaries, and supporting technologies such as microcontrollers, mobile applications, and data provision devices**. The workshop also serves as a venue for researchers to present and discuss novel ideas, prototypes, and findings, by welcoming short position papers and long regular papers related to the following topics, in line with the main track:

- Distributed and secure IoT architectures
- Federated data governance and interoperability
- Service ecosystems supporting circular business models
- Digital Product Passport Data Services and Ecosystems Technical enablers of traceability, transparency, and lifecycle tracking
- Smart and Digital Supply chains
- Interoperability of Data Space Technologies
- Distributed data architectures for DPPs
- Decentralised Governance
- Secure data exchange with self-sovereign identities
- Identity management for DPPs
- Data intermediaries
- DPP supporting technologies such as data provision devices and applications
- Economic Theory and Game Theory
- Data Mining and (Big) Data Analysis
- Data Space Architectures
- Multi-Access Edge Computing
- Operations and Business Support Systems
- Distributed Ledger Technology
- Digital Twins for Networks and Services
- Secure and Dependable Networking
- Cloud/Edge Computing Services
- Data Services
- Internet of Things Services
- Security Services
- Context-Aware Services
- Information Technology Services
- Security Management
- Centralized Management
- Hierarchical Management
- Distributed Management
- Federated Management
- Autonomic and Cognitive Management
- Policy- and Intent-Based Management

Technical Co-Sponsors:

