PRO-VE 2026 Special Session

Sustainable and Resilient Collaborative Agri-Food Networks

Scope

Agri-food networks are evolving into complex collaborative ecosystems involving farmers, cooperatives, logistics providers, retailers, digital platforms, public institutions and AI-enabled coordination mechanisms. Operating across physical, organizational and digital boundaries, these networks face increasing pressures related to sustainability, climate change, market volatility and systemic disruptions.

This special session explores the design and management of sustainable and resilient collaborative agri-food networks from a multidisciplinary perspective. Particular emphasis is placed on modelling and decision-support approaches that enhance coordination, adaptability and performance in distributed systems. Contributions addressing mathematical programming, artificial intelligence, multi-agent systems, digital twins and data-driven coordination mechanisms are especially welcome.

The session seeks innovative research on network configuration, governance structures, collective decision-making processes, risk management and adaptive planning strategies that strengthen long-term sustainability and resilience, advancing scientific understanding of how collaborative networks can be structured and governed to respond to evolving environmental and social challenges.

Session Organizers

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Topics/ Keywords

- Sustainable and resilient collaborative agri-food ecosystems
- Hybrid human–AI collaboration in food network coordination
- Digital platforms and distributed intelligence in agri-food networks
- Innovative and distributed governance architectures in collaborative agri-food networks
- Resilience, antifragility and crisis response in collaborative food networks
- Digital twins and cognitive models for agri-food ecosystems
- AI-enabled scalability and adaptability in distributed agri-food systems
- Trust, transparency and explainability in data-driven food networks
- Collaborative risk management in climate-sensitive supply networks
- Applications and case studies of advanced collaborative networks in agri-food

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 website, 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.