

Abstract for Advanced Recycling Conference 2025, Cologne

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Title: Methodologies for Traceability and Chain of Custody in Advanced Recycling: Aligning with ISCC Standards and Upcoming Regulatory Frameworks

Information:

- Ensuring transparency and sustainability in advanced recycling supply chains requires robust traceability and chain of custody (CoC) systems. This presentation explores the practical implementation of CoC and traceability mechanisms designed to verify the origin and sustainability characteristics of recycled materials across complex, multi-stakeholder value chains.
- An overview of the chain of custody models under the ISCC PLUS certification scheme will be provided, with a particular focus on the Mass Balance approach.
- The session will also highlight recent and upcoming developments within ISCC in response to evolving global plastic regulations, including the Packaging and Packaging Waste Regulation (PPWR), the Single-Use Plastics Directive (SUPD), and the Green Claims Directive (GCD).
- The key is to provide the listeners with a comprehensive understanding of how ISCC PLUS frameworks can be applied to meet regulatory requirements and market expectations for circularity, accountability, and compliance in case of advanced recycling.