

Introduction to ISCC PLUS and Mass Balancing in the Lubricants Industry

Roundtable 5: The future of bio-based lubricants: challenges and opportunities





ISCC is a well-established and credible certification standard



100+ Trainings for Auditors and System Users performed

32,000+ certificates 5,000+ system users

6 Voluntary addons to address specific customer requirements

40 certification bodies 650+ ISCC trained auditors

ISCC

System users in 100+ countries





Discussion platform with 4 Regional and 4 Technical Committees



Integrity Program 3 auditors





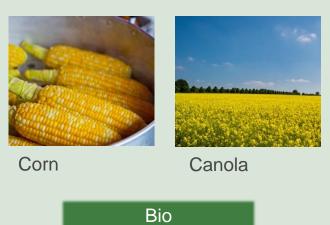
The ISCC System is governed by the ISCC Association, a diversified multistakeholder non-profit organization with currently almost 180 members





In addition, ISCC is the leading system for the certification of waste and residuebased supply chains

Examples















Renewable

Bio-circular





Waste





Forestry residues

Straw

Waste textiles

CO₂ (postindustrial)

Circular (technical)

Power-to-Liquid



Sugarcane

For the certification of **agricultural raw materials**, the standard developed a balanced set of ecological and social criteria



Principle 1: Protection of biodiverse and carbon rich areas



Principle 4: Compliance with Human, Labour and Land rights



Principle 2: Good Agricultural Practice



Principle 5: Compliance with Laws and International Treaties



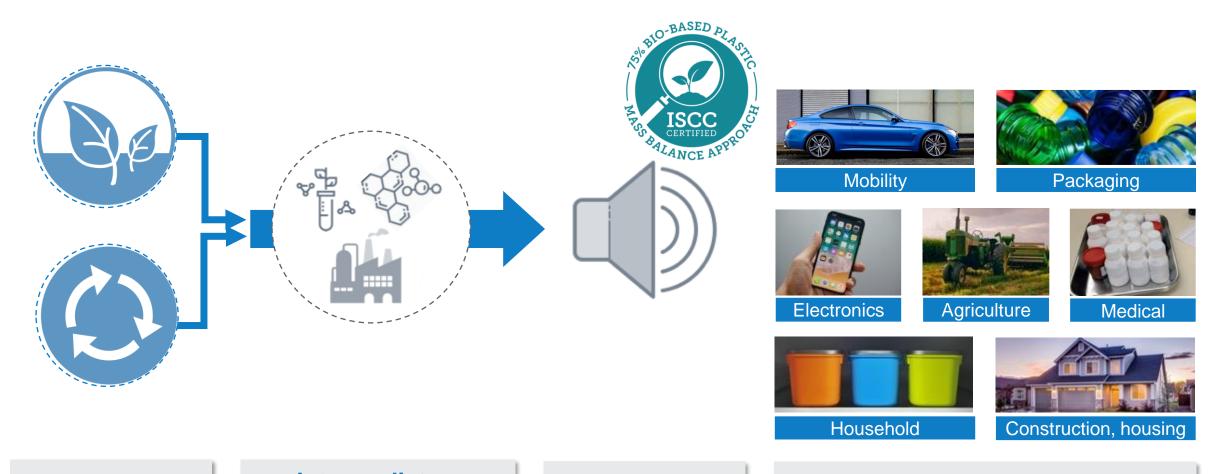
Principle 3: Safe Working Conditions



Principle 6: Good Management
Practices and Continuous
Improvement



ISCC PLUS offers solutions for the *circular* economy and *bioeconomy*



Raw material

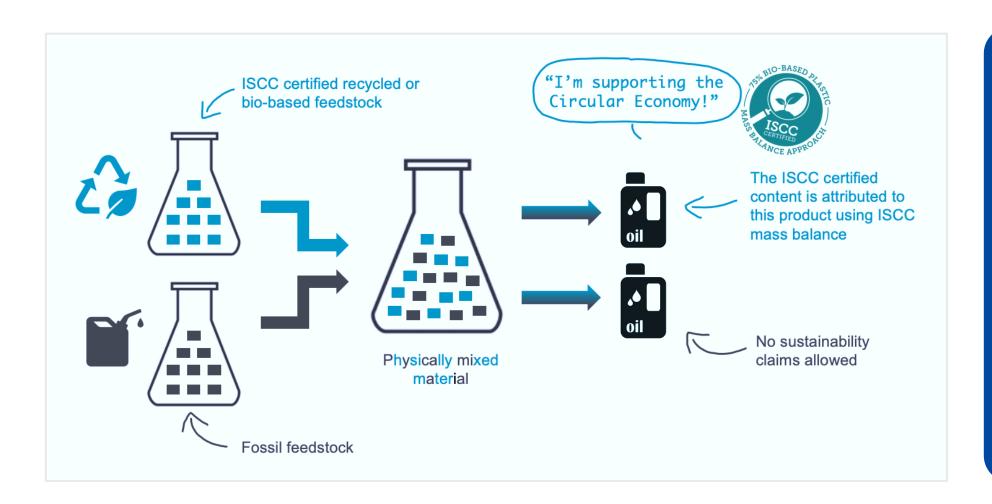
Intermediates, products

Brand owner, producer

Markets, applications



The application of the mass balance approach enables companies to scale up circular and bio shares in an economical and efficient manner



Mass balancing is a method to document and track circular/bio-based content through complex manufacturing systems.



By using mass balance, companies can track how much circular/bio-based material has been used in their manufacturing systems and balance it out exactly with the certified content in the end products.





Many thanks for your attention!

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