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SUSTAINABLE PLASTIC DIALOGUE

TOWARDS CIRCULARITY: SHAPING A SUSTAINABLE FUTURE FOR PLASTICS

19th February 2025
9:00am - 12:00pm (GMT+8)

CONTROLUNION

Mohd Farul bin Rosli

- Bachelor degree in Occupational Safety and Health Management, Diploma in Mechanical Engineering. Involved in Sustainability auditing since 2012. Working experience as Sustainability and Safety in Oil Palm sector for 6 years and NDT Inspector for 4 years.

- Trained, completed and qualified

  ISO 9001:2015

  ISO 45001

  ISCC EU, Waste & Residue

  ISCC PLUS and ISCC CORSIA

  DDC

  INS

  RSPO and MSPO.

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ISCC

- The **International Sustainability and Carbon Certification (ISCC)** is a globally applicable sustainability certification system. *It covers all sustainable feedstocks, including agricultural and forestry biomass, bio-based and circular materials, and renewables.*

- The ISCC standard ensures a fully transparent and deforestation-free supply chain, protecting land with high biodiversity value and high carbon stock. It also complies with human, labor, and land rights, and promotes good management practices.

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ISCC PLUS

- ISCC PLUS is a voluntary certification scheme under the International Sustainability and Carbon Certification (ISCC) system. It is designed to validate the sustainability of alternative feedstocks, including those derived from waste, renewable energy, **bio-based, and circular materials**.

- Key Features of ISCC PLUS:

❖ Sustainability: Ensures compliance with environmental, social, and economic sustainability criteria, including zero-deforestation and greenhouse gas (GHG) reduction.

❖ Traceability: Provides three chain-of-custody methods to track the flow of alternative feedstocks: mass balance, physical segregation, and controlled blending.

❖ Flexibility: Can be customized to meet specific market needs through voluntary add-ons.

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Bio

Corn

Canola

Sugarcane

Cotton

Bio-circular

Tall Oil

UCO

Forestry residues

Straw

Circular (technical)

Mixed Plastic Waste

End-of-life tires

Waste textiles

CO2 (post-industrial)

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Why Should Consider ISCC PLUS Certification

Enhance Sustainability

Boost Market Competitiveness
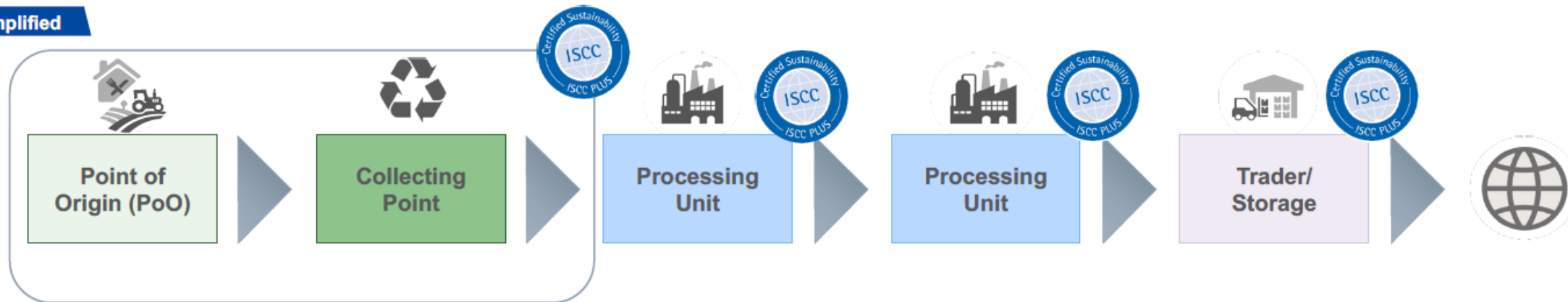
Regulatory Compliance

Brand Value and Reputation

Operational Efficiency

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Waste and processing residues
Certification starts with Collecting Point/ Central Office

Simplified

Point of Origin (PoO) → Collecting Point → Processing Unit → Processing Unit → Trader/ Storage →

(Plastic) waste processor

- Processing of **(plastic) waste into (other than pyrolysis oil) products**
- **Bio-based:** e.g. woody biomass as feedstock
- **Circular:** e.g. MPW as feedstock
- **Output:** e.g. cellulose esthers

Polymerization plant

- Processing unit reacting **monomer molecules into polymers** (polymer chain)
- **Output:** e.g. Polypropylene (PP), Polyethylene (PE)

Converter

- Converter: Processing unit reacting **polymers into bioplastics/ plastic products**
- **Output:** e.g. bioplastics, milk boxes, films

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Guidance Documents

ISCC PLUS 260-06
Short Rotation Coppice (SRC)
Version 2.0

ISCC 201-5
GUIDANCE FOR THE CERTIFICATION OF INDEPENDENT SMALLHOLDERS
Version 3.0

ISCC 201-3
GUIDANCE FOR THE CERTIFICATION OF BIOGAS AND BIOMETHANE
Version 3.1

ISCC 201-6
GUIDANCE DOCUMENT:
CERTIFICATION PROCESS FOR WILD COLLECTION OF SHEA
Version 1.0

ISCC 201-4
GUIDANCE FOR THE CERTIFICATION OF WOOD-BASED BIOFUELS
Version 3.1

ISCC 203-01
GUIDANCE FOR THE CERTIFICATION OF CO-PROCESSING
Version 1.1

- **ISCC Guidance Documents** provide further information on ISCC requirements for the certification of particular materials or processes

- These guidelines are – **if applicable** – as mandatory as the system documents

- The guidance documents therefore **supplement the ISCC System Documents**

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ISCC Registration and Certification Process: Audit conducted by the CB

SELECTION OF A CERTIFICATION BODY (CB) → REGISTRATION AS ISCC SYSTEM USER → AUDIT CONDUCTED BY THE CB → CB ISSUES THE CERTIFICATE → INTERNAL REVIEW BY ISCC → ISCC PUBLISHES CERTIFICATE ON WEBSITE

Auditor is aware of relevant system documents, guidance documents and add-ons

CB auditor verifies compliance with ISCC requirements based on
- ISCC audit procedures (mandatory)
- electronic tool: Audit Procedure System (APS) (mandatory)

CB head office internally reviews certificate and respective documents (audit procedures etc.)

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"Supply and value chain solutions built by individuals who care"

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Certifications, Collateral services, Commodity Inspections & Industrial Inspections

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Thank You