



Introduction to ISCC

Dr. Jan Henke, Director, ISCC System GmbH and Meo Carbon Solutions
ISCC PLUS Conference, Seoul, Republic of Korea, 23 January 2024

ISCC is a global, multi-stakeholder certification system. We offer credible solutions to address sustainability requirements in global value chains



11100



Valid
Certificates

130+



Total
Countries

4000



Valid PLUS
Certificates

60+



Cooperating
certification
bodies

1450+

Qualified
ISCC
Auditors



150+

ISCC training
courses
conducted



260+

Current ISCC
Association
members



The ISCC System is governed by the ISCC Association, a multi-stakeholder non-profit organization with currently 260+ members.

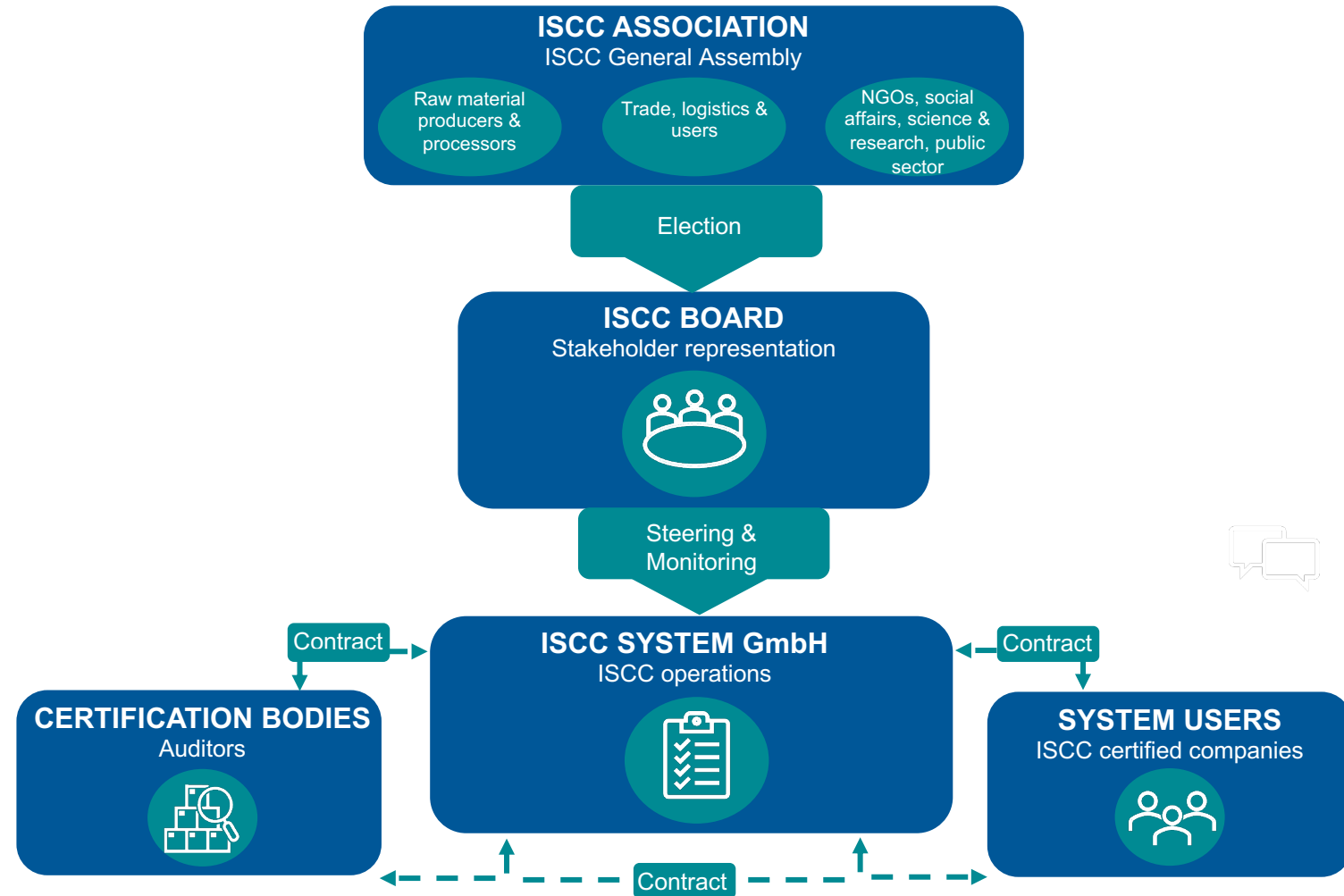


Our Mission



Multi-Stakeholder Governance of the ISCC System

International associations, academia members, corporations, research institutions, and NGOs from around the world are involved in the further development of ISCC to meet high standards of social and ecological sustainability while ensuring utmost practicality and cost-effectiveness.



Membership Benefits – New Members Welcome!

- **Advancing and shaping the strategic development** of the ISCC System
 - **Participation, voting rights, and decision-making power** in the General Assembly
 - **Actively contributing** to the ISCC Stakeholder Meetings and Working Groups
 - **Possibility to drive the Association and ISCC System forward** as a Board Member
 - **Enhancing sustainability credentials** through communication of the ISCC Association membership as a part of a strong sustainability community
- **Prominent visibility** on the ISCC website
 - **Enhanced networking opportunities**
 - **Discount on the ISCC quantity-dependent fees** (for ISCC System Users)
 - **“Priority Lane” registration for training courses, conferences, ISCC events**
 - **Prioritized request handling and customer support**
 - **Access to the contents of the members’ section** of the ISCC website

The ISCC Global Sustainability Conference will take place on February 22 and includes presentations on ISCC PLUS



More information and registration on our website (scan QR).



Main Session

1. Latest ISCC Developments and Challenges
2. Policy Framework and Regulations

Individual Streams focussing on:

1. ISCC EU (including RFNBOs)
2. ISCC PLUS
3. ISCC for SAF & SMF

ISCC's success is due to the active participation and engagement of its stakeholders

**Get
involved**

- **Join a Stakeholder Committee**
 - Actively contribute with your invaluable knowledge and experience
 - Address specific needs with a hands-on approach
- **Submit a Proposal**
 - The Membership Team is your first point of contact to address topics and discuss the potential inclusion of content in Association events and meetings
- **Wondering how else you can contribute?**
 - Contact the Membership Team with your thoughts and ideas!

Get involved!

Become a member of ISCC Association



ISCC EU



- Sustainable fuels used for **transport, electricity, heating and cooling in the European Union under the Renewable Energy Directive (RED)**
- To demonstrate compliance with the EU's sustainability and GHG criteria for biofuels, bioliquids and biomass fuels (and soon RFNBOs, RCFs)

ISCC PLUS



- Circular and biobased **chemicals, plastics, packaging, textiles, ...**
- Sustainable fuels **outside the EU**
- **Sustainable food and feed**
- **Renewable feedstock** derived from using renewable energy sources

ISCC CORSIA



- **Sustainable aviation fuels under ICAO CORSIA**
- To demonstrate compliance with the sustainability and GHG criteria for CORSIA eligible fuels

ISCC Japan FIT



- **Palm kernel shells and palm trunks for production of renewable electricity in Japan**
- Japan Feed-in-Tariff (FIT)

ISCC has issued more than 52000 valid certificates in 138 countries (as of 15/01/2023)

	ISCC EU	ISCC PLUS	ISCC CORSIA
			
Valid Certificates	6852	3978	90
Countries	138		
Active Certification Bodies	62	62	12
Trained Auditors	1139	764	169

Why do we need a certification to grow the circular economy and bioeconomy?

Certification Allows Credible:

- Determination of recycling rates
 - Reporting
- Claims towards customers, consumers, other stakeholders
- On-product ISCC logos use



Raw material identity
(e.g. waste and residue vs. virgin)



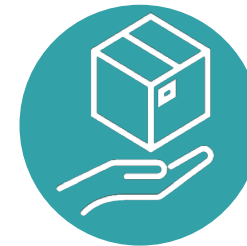
Correct volumes and conversion factors throughout entire value chain



Traceability



Appropriate carbon intensity calculations



Correct use of mass balance calculations and attribution approaches



Sustainability and no deforestation on farms and plantations

Why ISCC PLUS?

Integrative global
certification solutions

**Supporting the
circular economy
and bioeconomy**

**Covering need to
credibly document
use of biomass and
recycled materials
across value chain**

**Broad raw
materials,
products and
market coverage**

**Be prepared for
regulatory
developments**

**Establishing
traceability and
reporting in global
value chains**

**Strong training
and integrity
program**

ISCC PLUS in a nutshell



Chain of Custody Options:

- Physical Segregation
- Controlled Blending
- Mass Balance (different attribution approaches)



Recycling Routes for Circular Economy:

- Chemical Recycling
- Mechanical Recycling



Coverage of the Whole Supply Chain

- From farms/plantation or Point of Origin until market



Licensing for the Brand Owners

- Credible and justified claims and log use on ISCC PLUS certified materials across value chain

Raw material categories of ISCC PLUS certified feedstocks*



Bio



Corn



Canola



Sugarcane



Cotton



Bio-circular



Tall Oil



UCO



Forestry residues



Straw



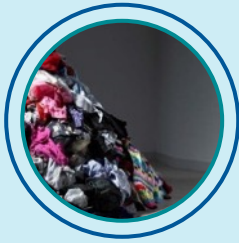
Circular (technical)



Mixed Plastic Waste



End-of-life tires



Waste textiles



Mine gas

Renewable–energy–derived

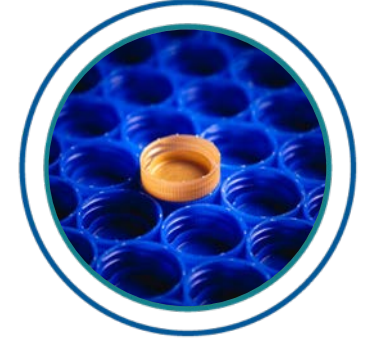


Hydrogen

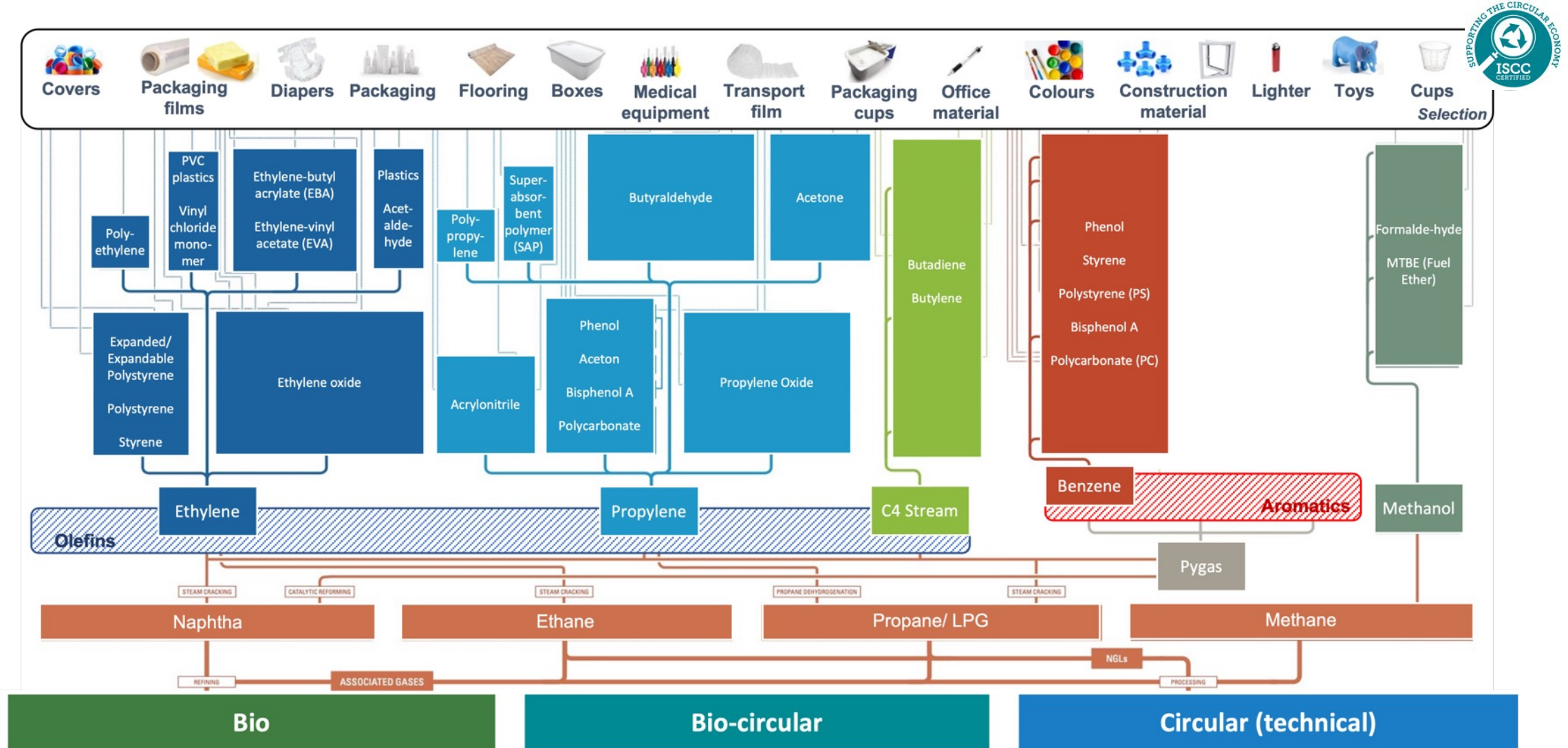


Power-to-X

ISCC PLUS covers all types of final markets

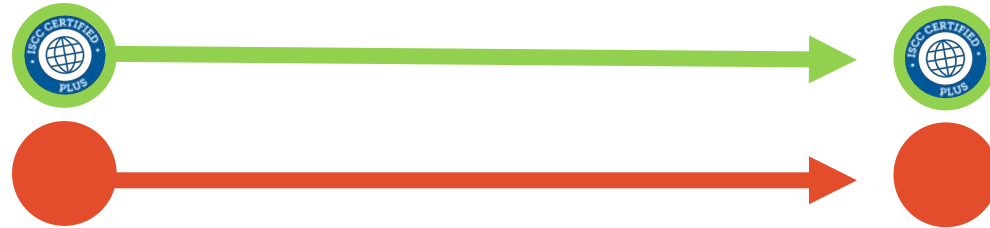


Many derivatives & final products are covered under ISCC PLUS

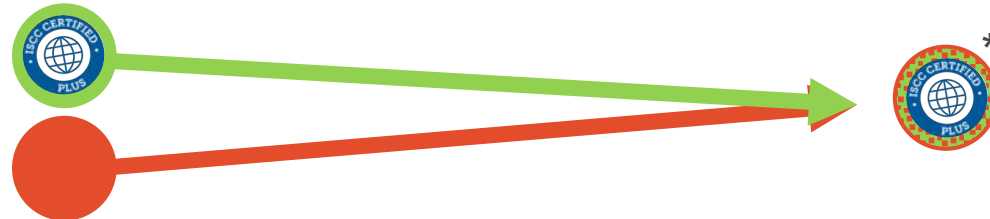


ISCC certifies different chain-of-custody approaches and creates transparency on the approach chosen

Physical Segregation



Controlled Blending



Mass Balance



ISCC PLUS covers entire value chains from raw material to final product – on procut claims and logo use are possible



KraftHeinz



Pigeon



Mondelēz
International



FERRERO



BRITA



FRONERI



TePe



More and more brand owners join ISCC and use the ISCC licensing system

Examples



GENTLE MONSTER



BEN & FRANK



LUMENE



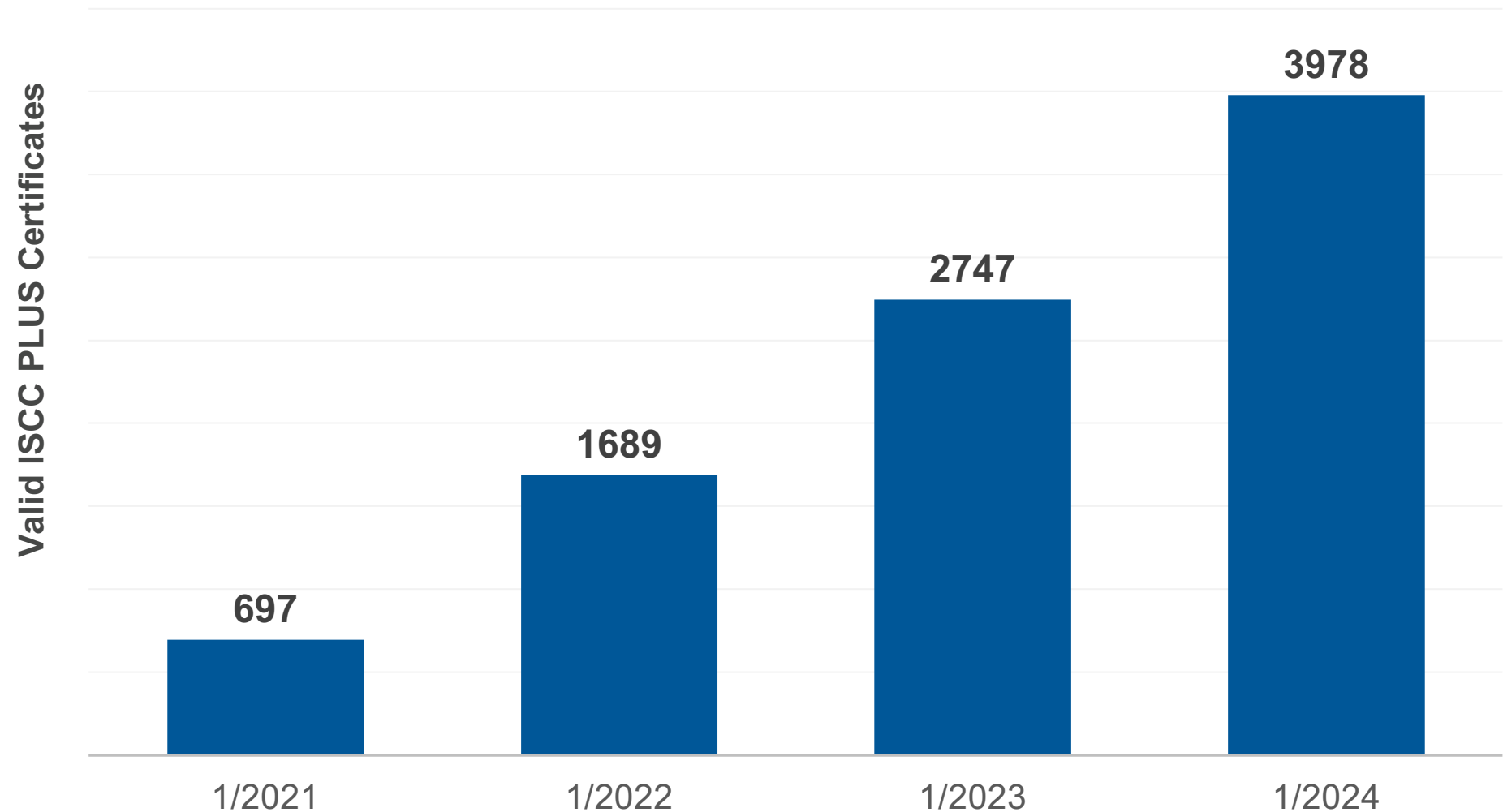
VIU



Examples of ISCC PLUS certified products in Korean market

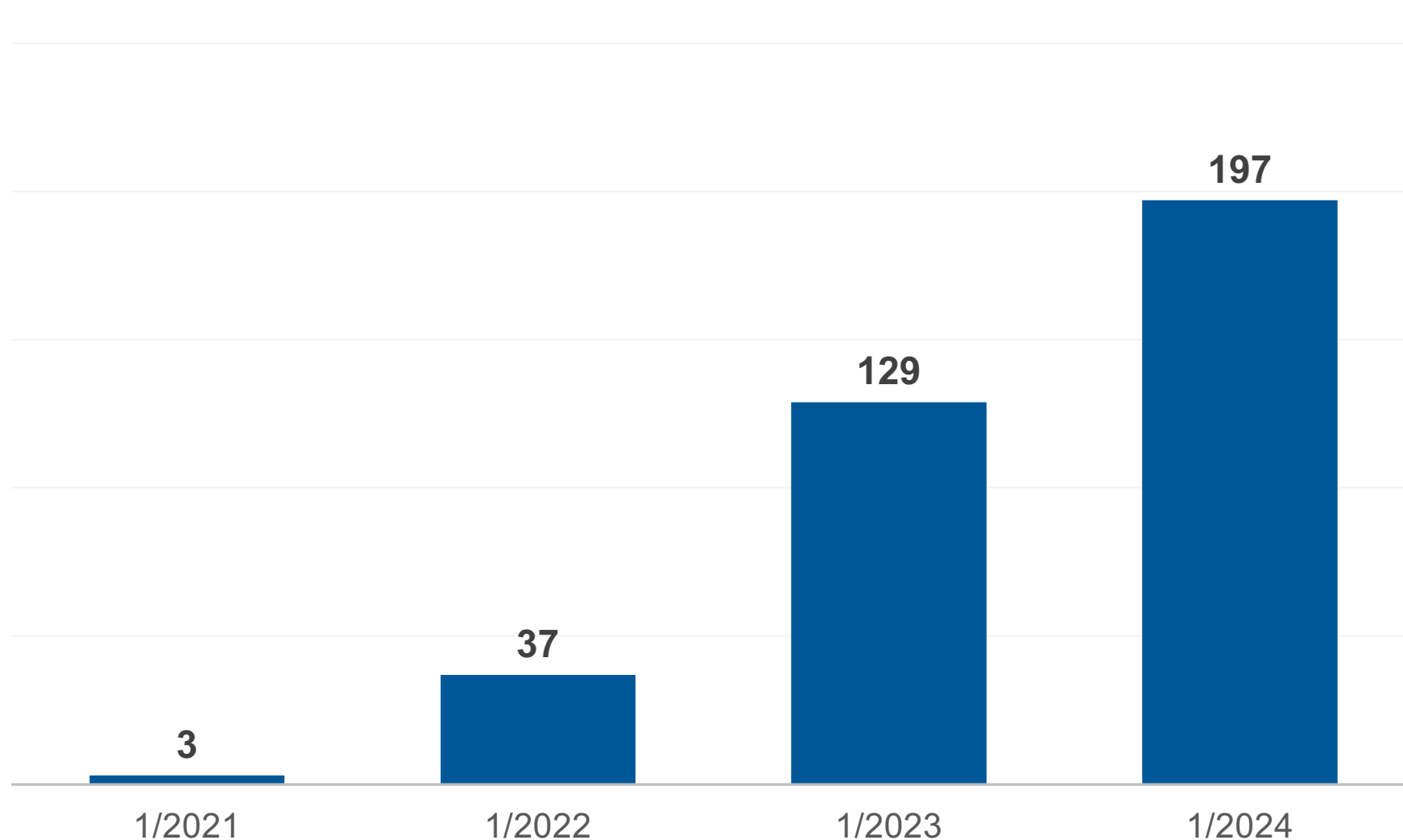


The global amount of ISCC PLUS certified companies has increased significantly over recent years

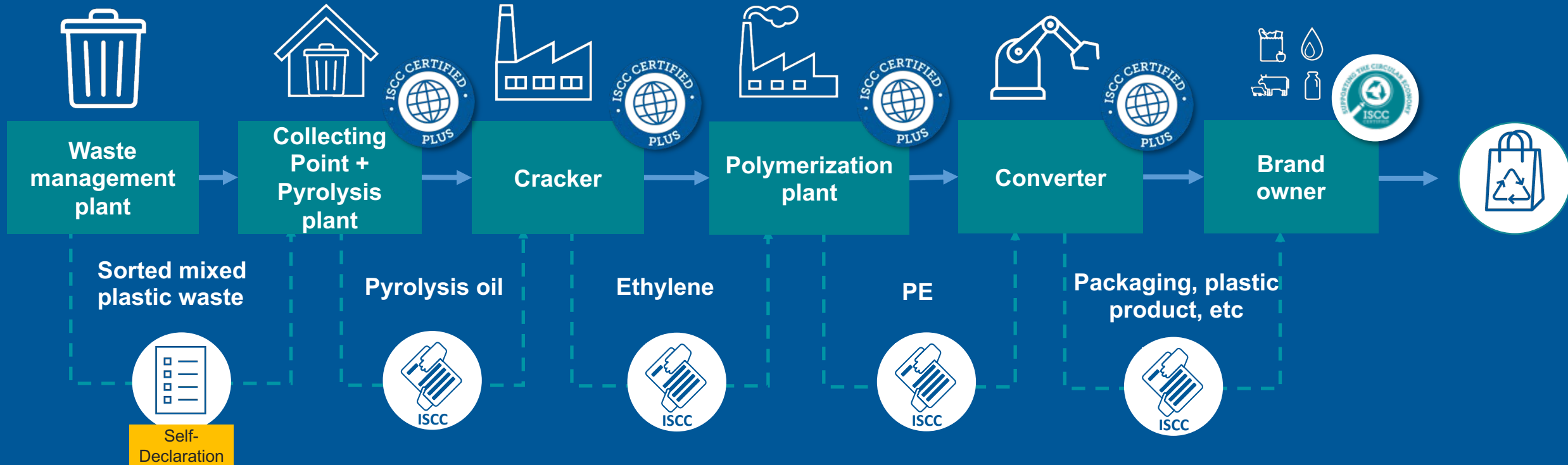


Number of ISCC PLUS Certificates are also increasing in Korea

Valid ISCC PLUS Certificates



ISCC inter alia covers chemical recycling and ensures traceability, feedstock identity, correct volumes and claims



Certified parties issue sustainability declarations on certified recycled volumes to the next element in supply chain based on documentation of all incoming and outgoing volumes within a site-specific mass balance

ISCC cooperates with range of Certification Bodies that conduct audits on global scale



Recycled content: key policy & legislative files in Europe – reference to certification included



Single Use Plastic Directive (SUPD) - IA

- Recycled plastic content in SUP beverage bottles
- Currently covering mechanical recycling
- Chemical recycling, mass balance and attribution likely to be included

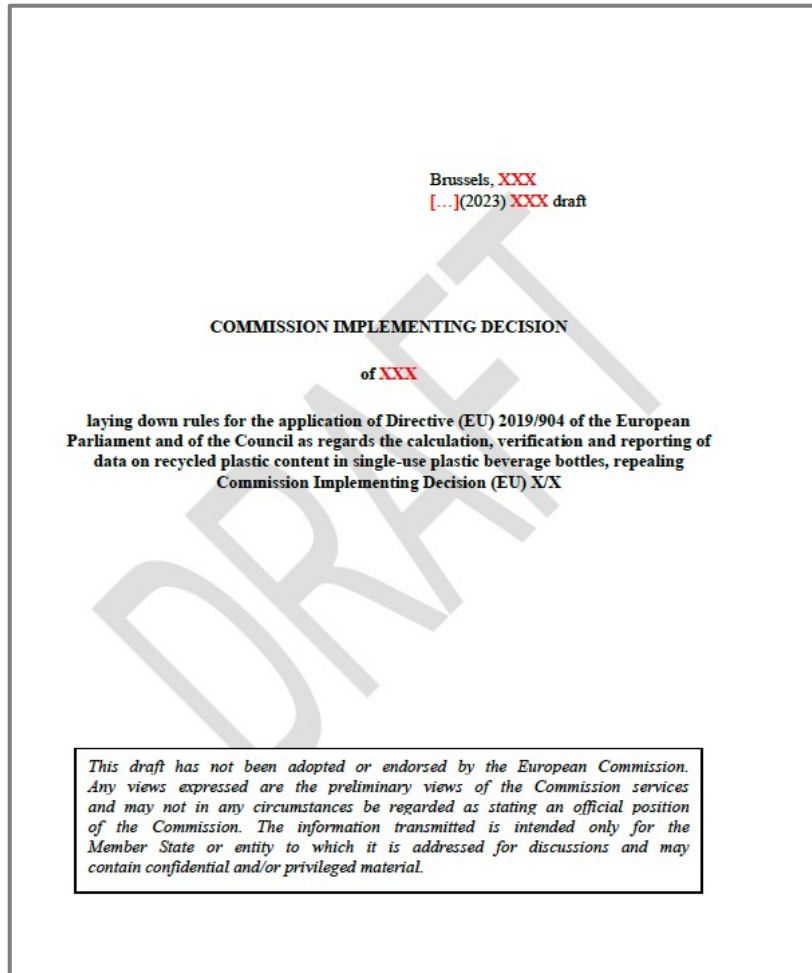
Packaging and Packaging Waste Regulation (PPWR)

- EC proposal from Nov 2022
- Legislative process ongoing
- Recycled content targets for all plastic packaging types

End of Life Vehicles

- EC regulation proposal
- Automotive is 10% of overall European plastics demand after packaging and construction
- 2030: 25% post-consumer plastics into new cars (of which 25% from ELV)

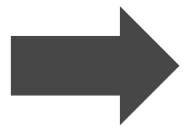
DRAFT SUP implementing decision from last week is a step forward – questions from an ISCC perspective certainly remain



- The EC prepared a draft implementing decision for discussion with member states at this week's TAC meeting.
- The draft text gives relevant definitions, formula for the calculation of recycled content targets, and, most importantly for ISCC, lays out the Commission's proposal for the **mass balance methodology to be used for chemical recycling**.
- **Role of 3rd party certification schemes** (and their recognition) in enforcing the legislation not entirely clear yet

The mass balance and attribution approach that ISCC has developed can be easily adapted to the rules put forward by EC

- The mass balance attribution approach favoured by industry is **fuel use excluded**. The EC was not convinced that it could secure the required majority to get that attribution approach in the legal text. **Polymers only** has been put forward as a potential **compromise** between proportional and fuel use excluded.
- ISCC developed its fuel use excluded approach in a way that would allow flexibility depending on how the legislation was written. Having seen the current draft **we have confidence that ISCC will be ready to submit documents for recognition if and when this legislation is finalised**.
- **ISCC has had multiple bilateral interactions with the EC** in the lead up to this TAC meeting, in order to help the Commission understand the complexities of mass balance. We're hopeful that this good working relationship can continue.



ISCC will continue to engage with stakeholders, in industry and at the EC, to ensure we are ready to implement any legislated mass balance approach.

Ongoing development of plastic taxes and mass balance acceptance

Countries we receive the most inquiries

	Certification scheme	Mass balance acceptance
SPAIN	ISCC PLUS SD is sufficient in 2023. From 2024, recognition according to EN 15343 necessary. → ISCC in application process	Ley 7/2022 :“In the case of chemically recycled plastic, this quantity shall be attested by a certificate issued by the relevant accredited or licensed body.”
ITALY	Only one recognized certification scheme (PSV) for plastic recycling → ISCC contacted authorities	PSV is using mass balancing for certification (according to EN 14021). Therefore, yes.
UK	It is the responsibility of the company to show recycled material is used. No recognised certification scheme is mentioned in the law	Consultation opened until 10 Oct 2023. ISCC was invited to roundtable discussion

Ongoing development of plastic regulations

USA

FTC Green Guides,
EPA National Recycling Strategy,
EPA (draft) Plastics Pollution Prevention

AUSTRALIA

Developing a national framework for recycled content traceability
Public consultation on the discussion paper was open until 31 Aug 2023

KOREA

Acceptance of **voluntary certification schemes** for mechanical recycling and its green claim being discussed

JAPAN

Japan's policy for bioplastics towards 2030 and 2050 &
Position paper published on **mass balance approach**

CANADA

Recycled content and labelling rules for plastics Regulatory framework
→ **Recycled content** and **labelling regulations**, before the end of 2023, followed by a public comment period.



The EU requirements for zero deforestation crops!

- **Obligations** applicable as of December 2024
- Commodities have to be produced **legally**, on land that was not subject to **deforestation** or **forest degradation** after December 2020
- **Operators** and **large traders** importing/exporting commodities on the EU market have to fulfil due diligence obligations
- **Due diligence process:** Information gathering, risk assessment and if applicable risk mitigation
- **Traceability** back to the plot of land
- **Physical segregation** required
- No-Deforestation requirements relevant for all listed commodities & products

Commodities covered

The EU deforestation regulation includes **7 commodities and respective products**¹



Oil Palm



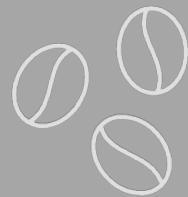
Soy



Rubber



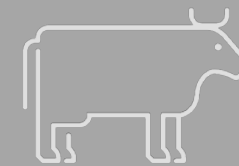
Wood



Coffee



Cacao



Cattle

Obligations of operators and traders

1 Gather Relevant Information

- Product information
- Geolocation data
- Deforestation-free status
- Production in accordance with relevant legislation

2 Risk Assessment

- Verification and analysis of the information
- Risk Assessment criteria include various social and environmental aspects

3 Risk Mitigation

- Collection of additional information
- Carrying out independent surveys and audits
- Adequate and proportionate policies, controls and procedures to mitigate and manage effectively the risks of non-compliance

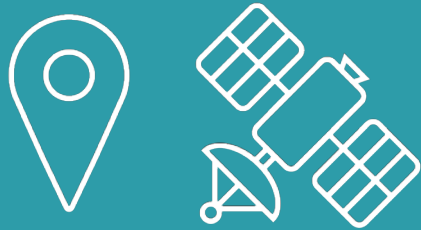


Due Diligence Statement

ISCC provides support to comply with EUDR requirements

ISCC supports companies by developing an **EUDR Add-On** with the following components:

Information Collection & Deforestation Analysis



- Collection of product information and geolocation data
- Conduct deforestation analysis based on remote sensing data
- Assessment on legality

Risk Assessment & Risk Mitigation



- Consideration of all relevant environmental and human rights criteria of the EUDR
- Identification of high risk hot spots
- Risk mitigation

Digital Traceability Platform



- Transmission of relevant information along the supply chain via digital traceability platforms
- Option to export for due diligence statement

What are the advantages of using ISCC?

Deforestation-free check



Legality check



Traceability



On-site audits



Provision of necessary data for DDS



- Third-party on-site audits support traceability and assurance of deforestation and legal requirements
- Tailor-made EUDR GRAS/ISCC tool provides deforestation check and risk assessment
- Digital traceability platform provides transmission of relevant information along supply chain and consolidated reporting for DDS



A one-stop-shop for your EUDR requirements



I am interested in ISCC certification and the EUDR Add-On – what steps should I take?

- EUDR Add-on is compatible with ISCC EU and PLUS certification
- EUDR Add-on certification can be part of the next audit and is an easy and cost-effective method to contribute to EUDR compliance
- EUDR Add-on needs to be used throughout supply chain
- Key steps to prepare for EUDR Add-on certification:
 - Have an overview of suppliers
 - Prepare facilities for physical segregation



Get in contact with ISCC to get started!

Regulation on Green Claims is under preparation

Green Claims Directive from the European Commission



Brussels, 22.3.2023
COM(2023) 166 final
2023/0085 (COD)

Proposal for a
DIRECTIVE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL
on substantiation and communication of explicit environmental claims (Green Claims Directive)

Key take aways:

- **Consumers shall be empowered to make better informed choices**
- **Tackle false environmental claims**
- **Enable more sustainable decisions and reduce the risk of 'green washing'**



ISCC Licensing Logos and Credible Claims Training

November 13, 2023 –
Le Méridien New Orleans,
Louisiana, US

11:30 am – 5:30 pm
(Central Standard Time)

WHAT TO EXPECT

Learn how to add further value by
using ISCC certified materials and
selling finished goods

Deepen knowledge to successfully
apply the ISCC Licensing Scheme

Become an expert in making
credible and transparent claims

Attain confident know-how to
explain to peers and clients how
ISCC works

NEW training on licensing, logos and credible claims

- → Next online training: 09 April 2024, register [here](#)
- **Topics:**
 - Overview of the ISCC PLUS Scheme
 - Implementation of the ISCC Licensing Scheme
 - How to use ISCC Logos and Claims for credible communication
- **Target Groups:**
 - Brand Owners
 - Sales representatives of certified companies
 - Retailers and other interested parties

ISCC Carbon Footprint Certification

Version 0.1

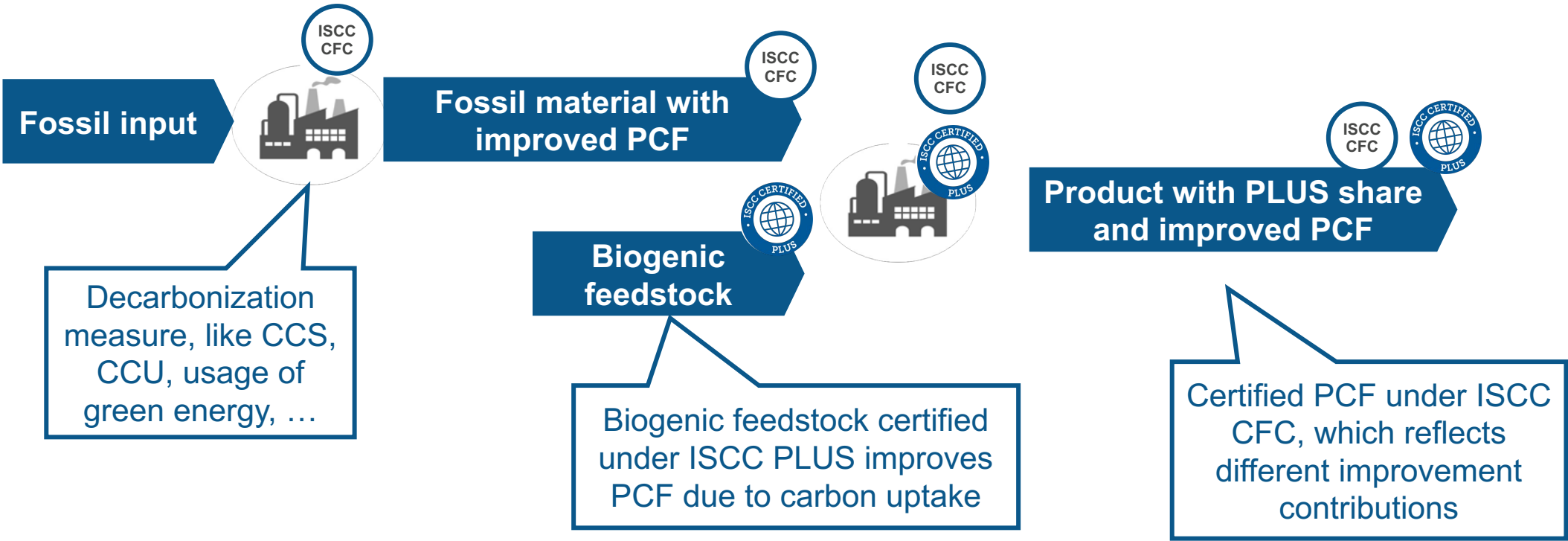
ISCC Carbon Footprint Certification (ISCC CFC)

- Certification of product carbon footprints
- Low carbon claims for products with improved carbon footprint
 - Decarbonization measures
 - Use of ISCC PLUS certified feedstock
- Module can be used on its own or combined with PLUS feedstock
- Iterative approach to further develop the module
 - CCS, CCU
 - Further pilot projects

Here you can find the document

The ISCC CFC module will allow to assess the benefits in carbon intensity of products independent on the feedstock

--- ISCC's Vision of CFC and PLUS certification: not completely established yet! ---



GHG working group will support further development and implementation and will report to the Technical Committee on Circular Economy and Bioeconomy.



ISCC Integrity Assessments

- Complete audits or specific focus (CoC, GHG etc.)
- ISCC Integrity Auditors
- Choice of Candidates
 - Randomly / risk basis after risk evaluation
 - complaints
 - Report of non-conformity or fraud
- On a global scale
- On-site/remote
- Results documented in Audit Report
- Consequences: Conditions for recertification, sanctions (e.g. suspension, withdrawal of certificate)

Outlook 2024

- **Continue positioning** of PLUS in **voluntary** and **regulated markets**
- Working on potential **recognitions** of ISCC PLUS with regulators
- Continue **dialogue with regulators** in Europe and other regions
- Development of **MB guidance**
- Continue work on **PCF** certification
- Scale up ISCC **integrity program** for ISCC PLUS
- Further promotion **licensing scheme**; monitor **Green Claims Directive**
- **Social criteria** add-on
- Continue intensification of **regional activities**

More Questions?

Book* a 1:1 meeting with ISCC Team
26 Jan 2024

Hotel Naru



Online meeting



***30 min per company**

Follow us on LinkedIn!



감사합니다!



Thank you!

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