



Introduction to ISCC PLUS & Updates

Dr Jan Henke, Director, ISCC System and Meo Carbon Solutions
ISCC Japan Conference, Tokyo, Japan
21 January 2025

Why ISCC PLUS?

Integrative global
certification solutions

Supporting the
circular economy
and **bioeconomy**

Broad coverage of
raw materials, products
and market

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

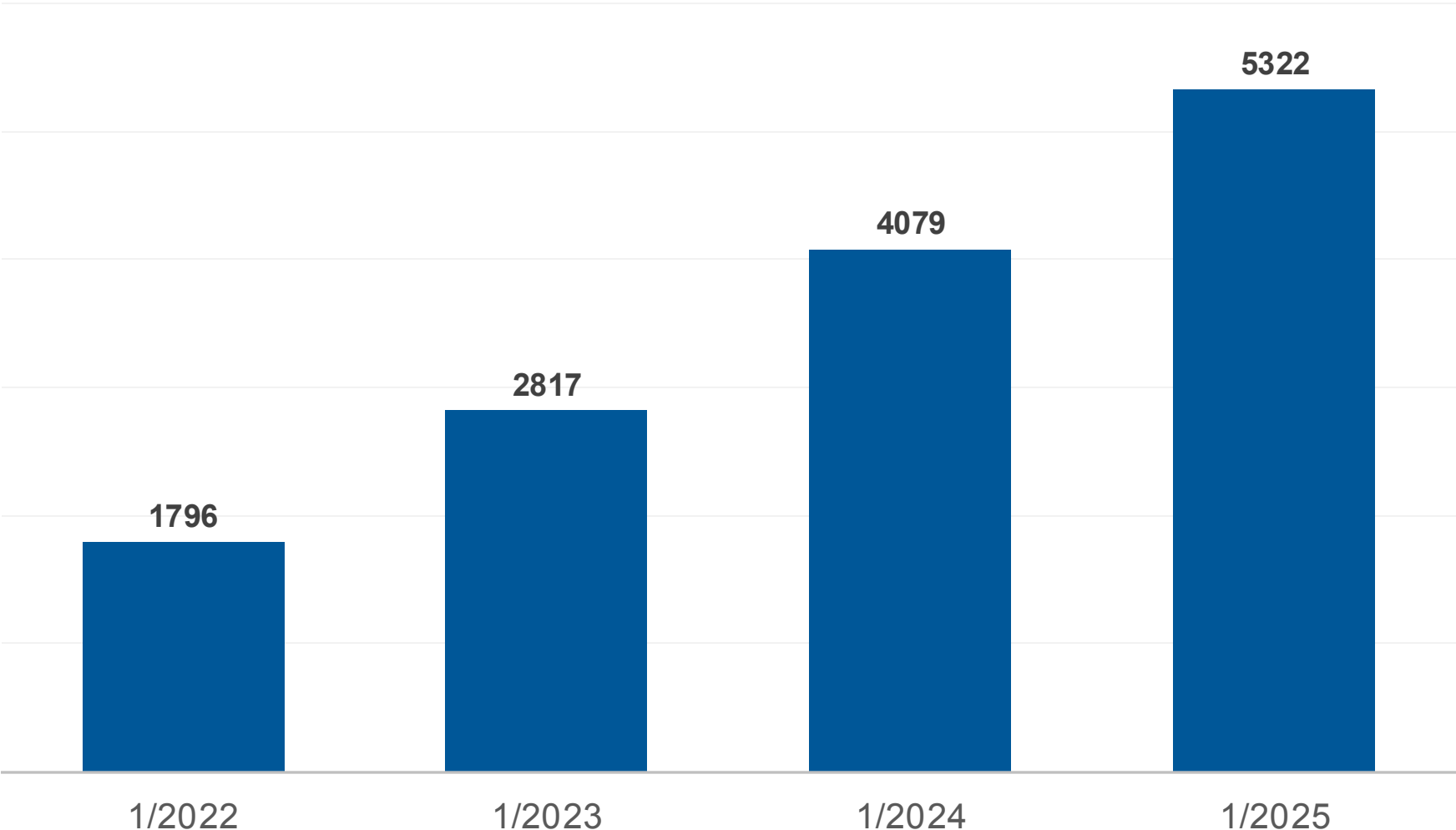
Covering need to
credibly
document use of
biomass and recycled
materials **across**
value chain

Be prepared for
regulatory
developments

Strong **training** and
integrity program

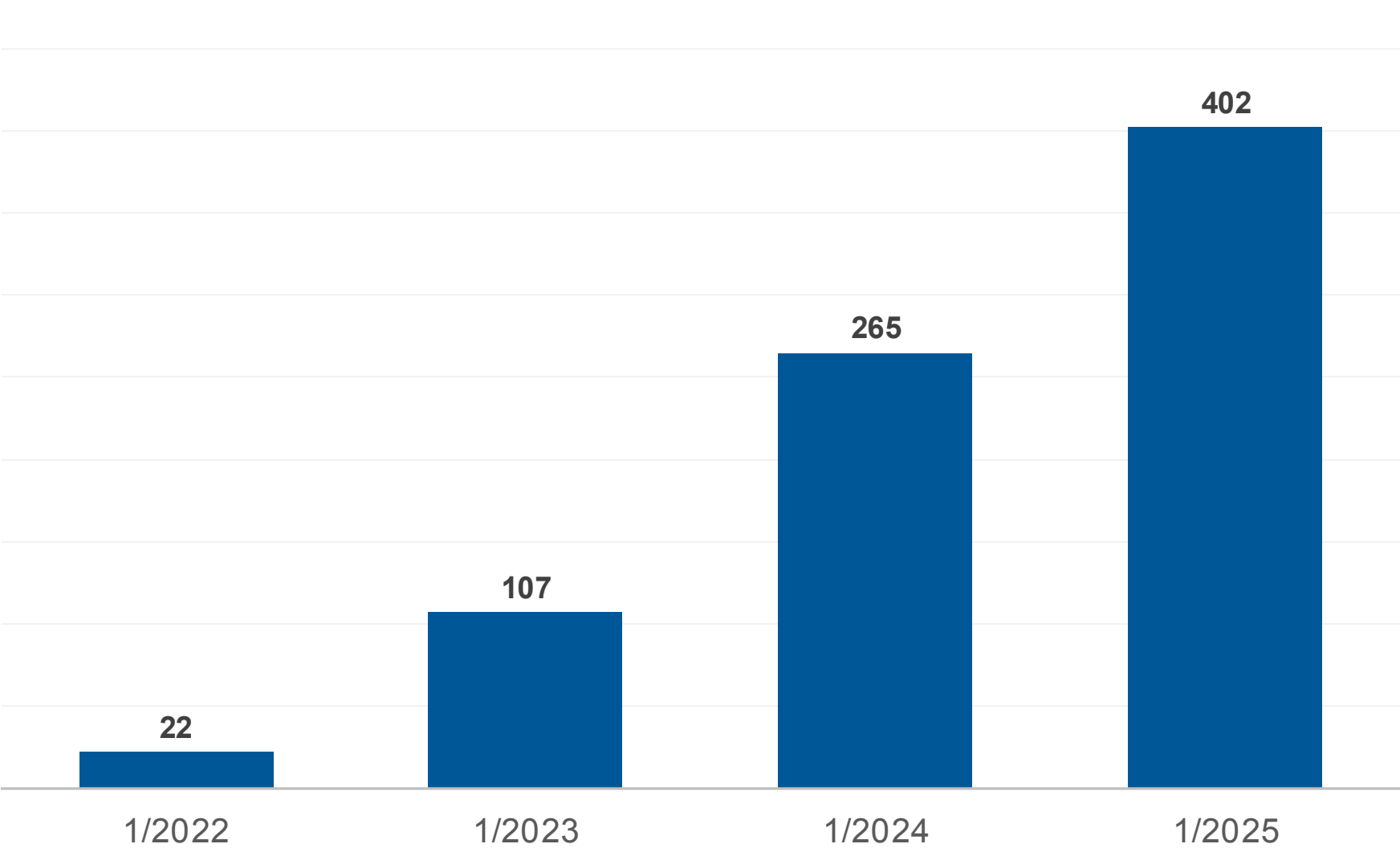
The number of ISCC PLUS certificates has increased significantly for several years

Valid ISCC PLUS Certificates



The number of ISCC PLUS certificates in Japan has increased

Valid ISCC PLUS Certificates



Multi-stakeholder dialogue to further develop ISCC PLUS

ISCC Technical Stakeholder Committee

“Circular Economy and Bioeconomy”



Esther Garcia (Mondelez International)

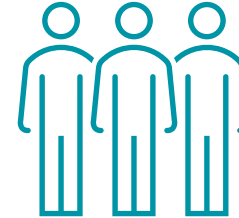


Jason Pierce (Eastman)

Co-chairs

ISCC Working Group

- Mass balance
- Logos and claims
- GHG



Additional Stakeholder Discussions

- Regulators, European Commission
- Conferences
- Bilateral discussion



Public Consultations

- CFC – Food and Agriculture
- ISCC Document 208 – Logos and Claims
- Social Criteria (coming soon)



Raw material categories of ISCC PLUS certified feedstocks*



Bio



Corn



Canola



Sugarcane



Cotton



Bio-circular



Tall Oil



UCO



Forestry residues



Straw



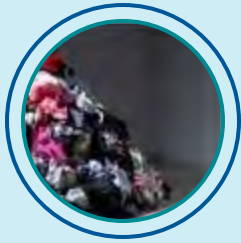
Circular (technical)



Mixed Plastic Waste



End-of-life tires



Waste textiles



Mine gas

Renewable–energy–derived

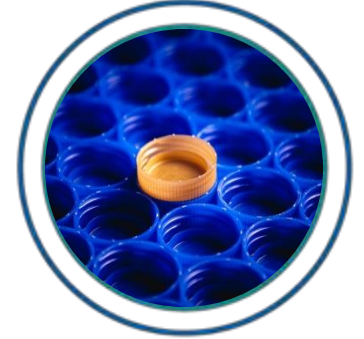


Hydrogen

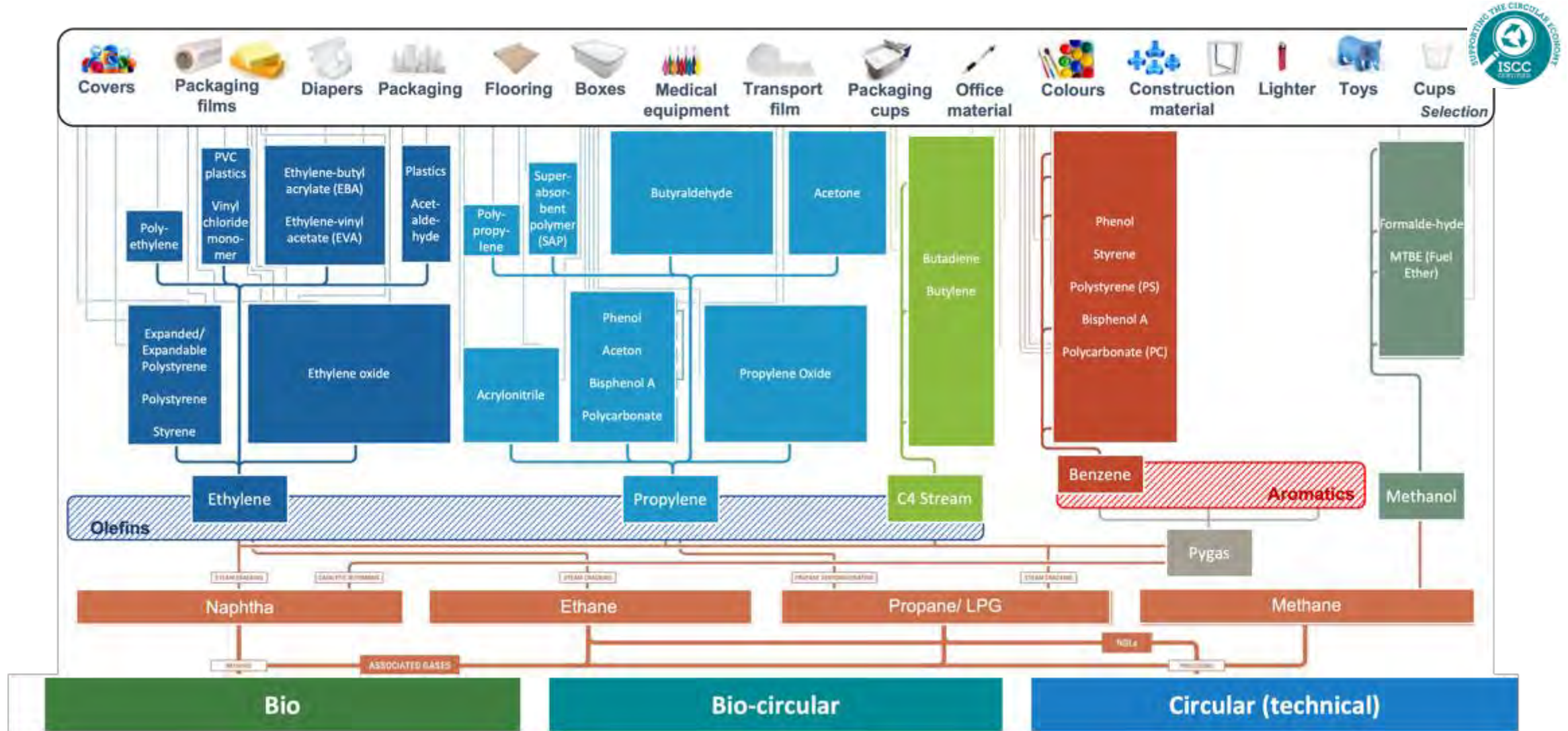


Power-to-X

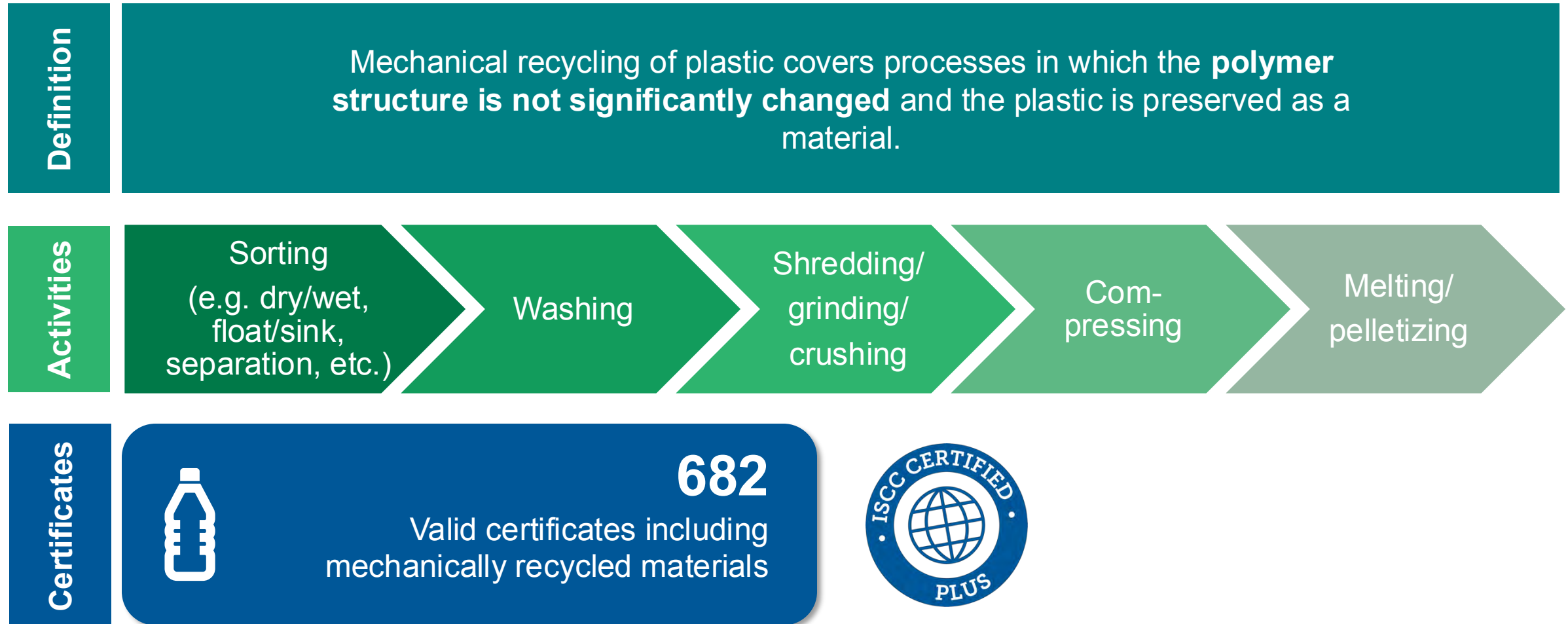
ISCC PLUS covers all types of final markets



Many derivatives & final products are covered under ISCC PLUS

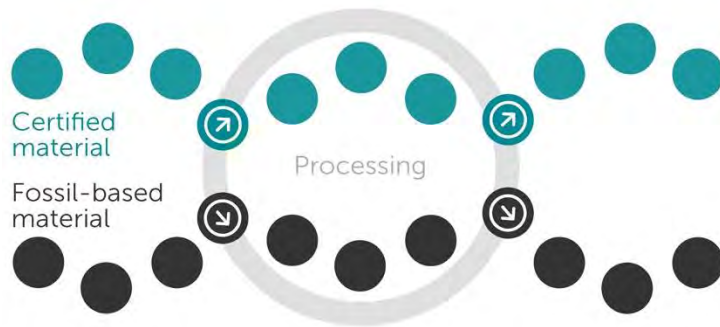


Under ISCC PLUS, mechanical recycling operations are covered

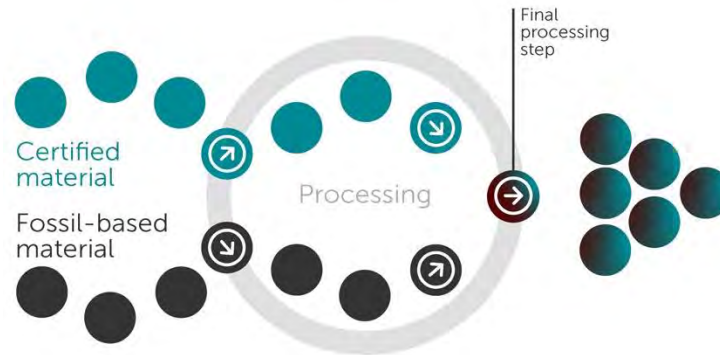


ISCC certifies different chain-of-custody approaches and creates transparency on the approach chosen

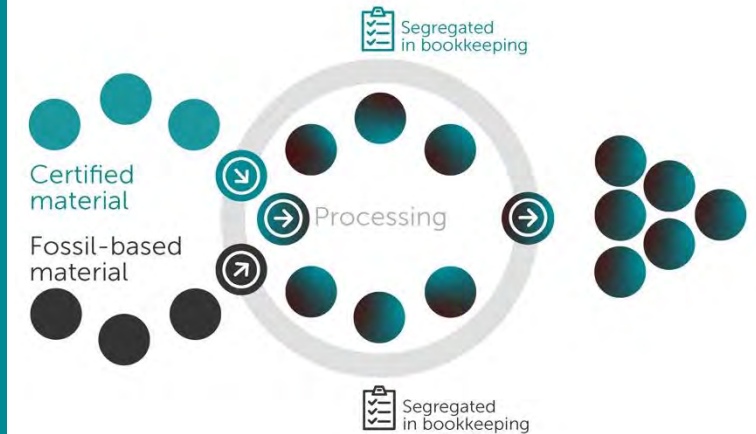
Physical Segregation:



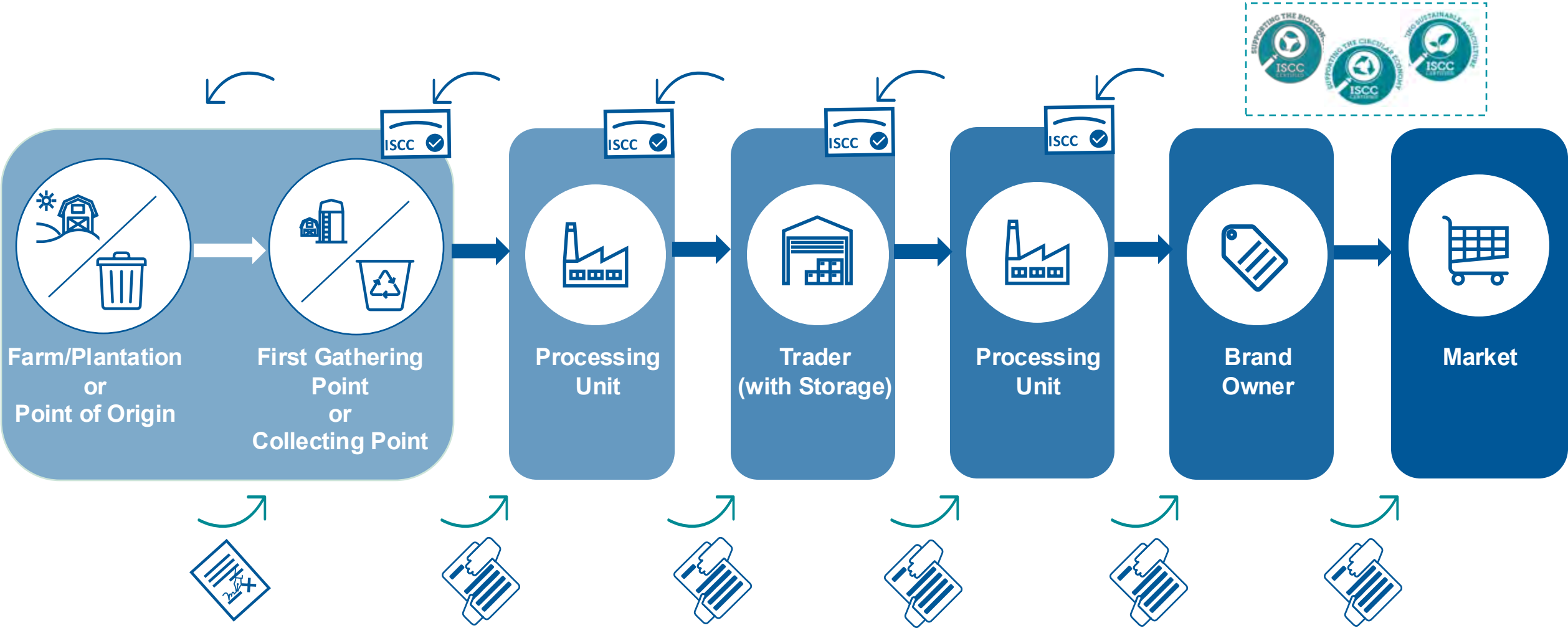
Controlled Blending:



Mass Balance:



ISCC PLUS supply chain example



Self-Declaration

Sustainability Declaration

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

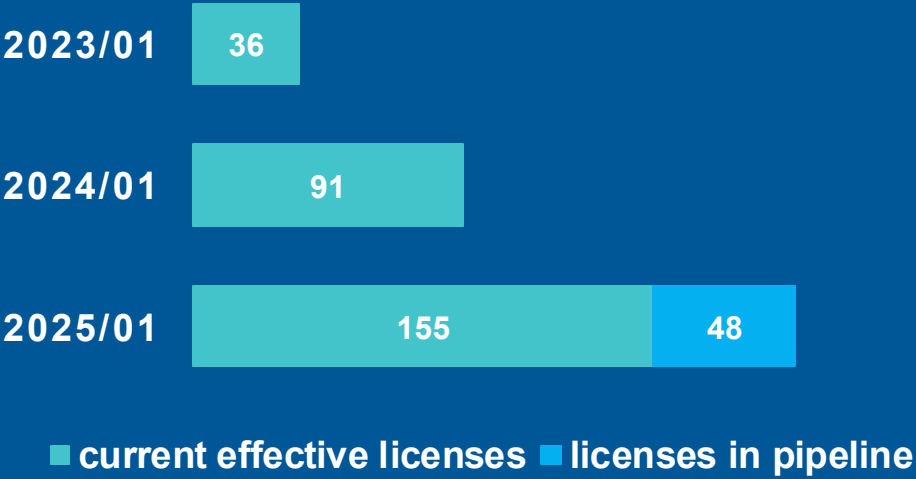
More brand owners join the ISCC Licensing Scheme

Examples



The ISCC Licensing Scheme is an approach for brand owners to use ISCC logos and/or claims

License Development



59,300+

ISCC certified products on the market



Kikkoman's ATP test's holder and casing are linked to 100% bio-based plastics certified by the ISCC mass balance approach

kikkoman
Kikkoman Biochemifa Company



*The holder and casing
are linked to 100% bio-
attributed plastic via
mass balance
approach.

Sonicare's toothbrush heads are linked to 70% bio-based plastic certified by the ISCC mass balance approach



70% bio-based plastic¹
¹Allocated to the plastic of brush head on mass balance basis



Mattel's Barbie Getaway House is linked to 70% bio-based plastic certified by the ISCC mass balance approach



Toy: 70% ISCC certified plastic
Mass balance approach



<https://shop.mattel.com/pages/barbie-sustainability>

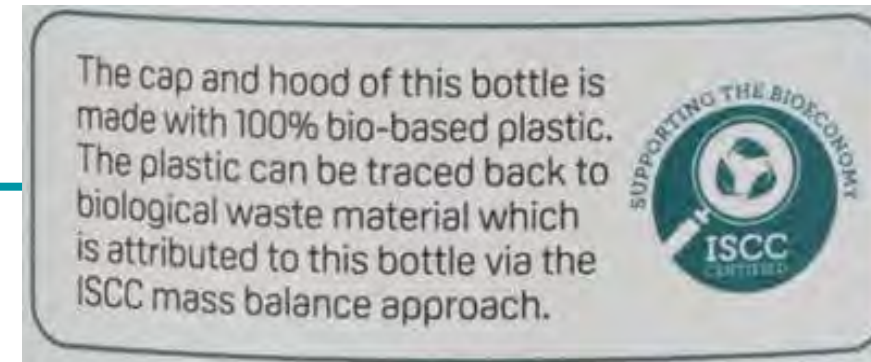


CJ Hetbahn's rice containers are linked to 25% bio-circular materials certified by the ISCC mass balance approach



For the sake of the environment, we use 25% bio-circular pp with the global sustainability certification *ISCC PLUS* in the production of HetBahn containers.
*Based on the Mass Balance Approach

Pigeon nursing bottle's cap and hood are linked to 100% bio-circular materials certified by the ISCC mass balance approach



Brita's Maxtra Pro water filters are linked to 50% bio-based plastic certified by the ISCC mass balance approach



Nescafé latte's cup is linked to 30% bio-based plastic certified by the ISCC mass balance approach



The cup is made with 30% bio-based plastic attributed according to the mass balance certified by ISCC PLUS

Freia's chocolate packaging is linked to 80% recycled plastic certified by the ISCC mass balance approach.



The outer packaging is 80% ISCC certified recycled plastic allocated through the mass balance principle



Earthborn Holistic's dog food bags are linked to 25% recycled plastics certified by the ISCC mass balance approach



25% Recycled Plastic*

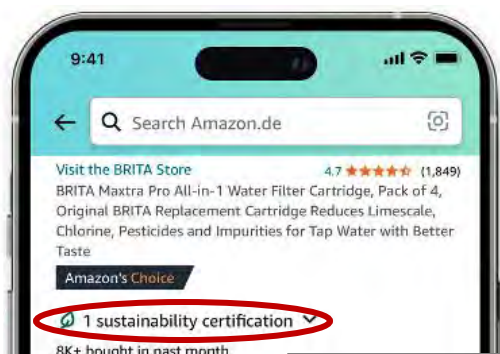
*We support the transition to a circular economy by sourcing 25% recycled material for this bag, using the ISCC mass balance approach. www.iscc-system.org



ISCC PLUS collaborates with Amazon on Climate Pledge Friendly program



“Climate Pledge Friendly highlights products with trusted third-party certifications that meet sustainability standards.”





1 sustainability certification

Products with reliable sustainability certifications. [Learn more](#)

Product Certification (1)



ISCC PLUS certified products are created using raw materials such as recycled plastics and bio-based materials, which can reduce fossil fuel consumption.

ISCC PLUS certified products now can be found in:
Australia, Belgium, Brazil, Canada, France, Germany, Italy, Mexico, Poland, Spain, Sweden, UK, US

ISCC communication requires coverage by ISCC



Companies that wish to **communicate** about ISCC certified material, **must be covered by ISCC** through a valid ISCC certificate or license.



What are the benefits for certified or licensed companies?

- Third-party verified communication that transparently showcases efforts in sourcing ISCC certified materials
- Enhanced credibility through the use of ISCC logos and claims
- Guidance from ISCC on green claims, based on the latest regulatory developments

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)

Regulatory developments on green claims

from the European Commission



Green Claims Directive



Unfair Commercial Practices Directive

from the US Federal Trade Commission



FTC Green Guides

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 “greenwashing”**

Overview of Legislative Developments – Plastics



Recycled content and labelling rules for plastics regulatory framework



EPA National Recycling Strategy, EPA Plastic Pollution Prevention (draft)

California Plastic Pollution Prevention and Packaging Producer Responsibility Act



Single Use Plastic Directive (SUPD)

Packaging and Packaging Waste Regulation (PPWR)



UK Plastic Packaging Tax



Law 7/2022 on waste to promote a circular economy (Plastic Tax Law)



recognized under the Post-consumer Plastic Recycled Content Labelling Policy



Japan's policy for bioplastics

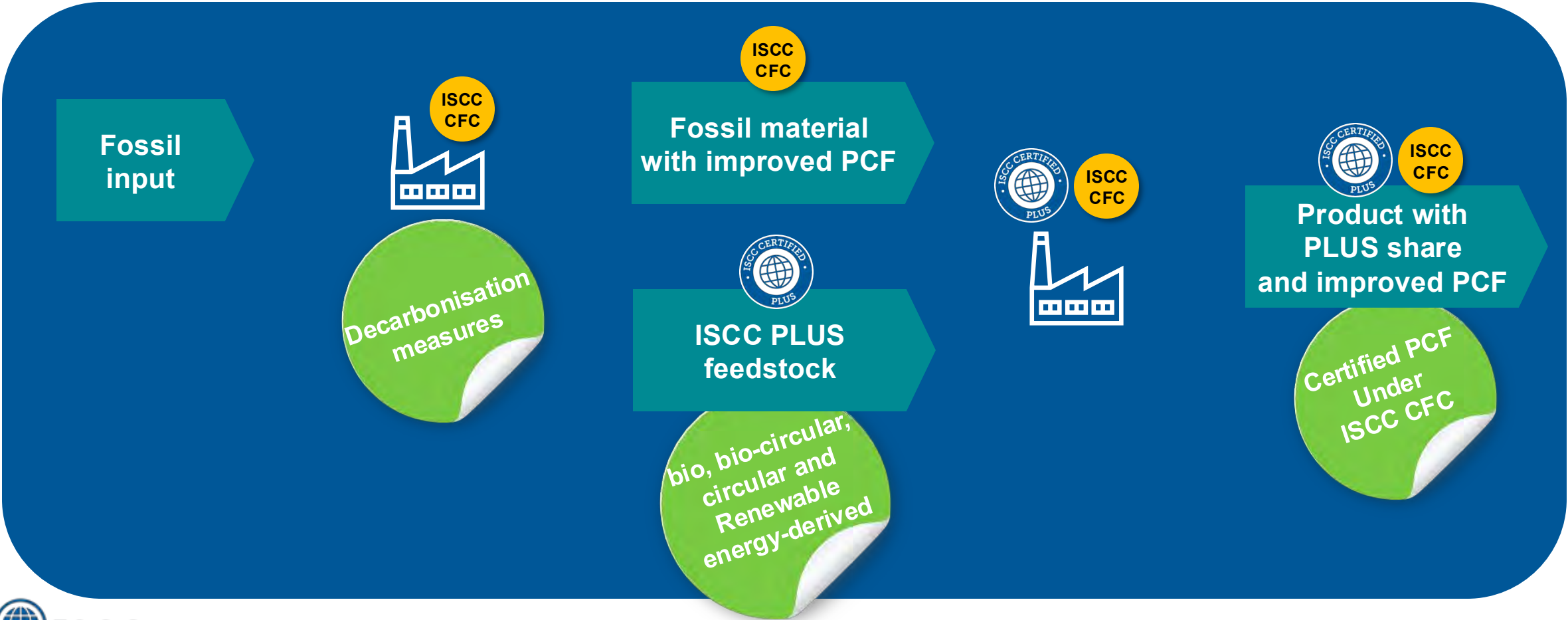


Plastic Waste Management Rules



National Framework for recycled content traceability

The ISCC Carbon Footprint Certification (CFC) will allow to assess the environmental benefit of products independent of the feedstock





Outlook 2025

- **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 **CFC** 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 PLUS Team**

24 Jan 2025

*30 min per company
Online meeting also possible



Follow us on LinkedIn!



ありがとうございます



Thank you!

ISCC System GmbH

Hohenzollernring 72, 50672 Cologne, Germany

www.iscc-system.org

