



# ISCC PLUS for the Circular Economy and Bioeconomy

**ISCC System GmbH**

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# Positive impact of ISCC PLUS



**Recycling plastics helps to solve the plastic waste problem**

**Bio-based plastics reduce the dependency on fossil fuels**

**Recycled and bio-based plastics support the transition to a circular economy and bioeconomy**



# ISCC Key Pillars



Traceability throughout the supply chain



Feedstock identity



Well defined and third-party verified claims



No deforestation



Transparent rules for mass balancing and physical segregation



Multi-stakeholder approach with a continuous dialogue



Protection of biodiversity and high carbon stock areas

# Examples of ISCC PLUS certified feedstocks



## Bio



Corn



Canola



Sugarcane



Cotton



## Bio-circular



Tall Oil



UCO



Forestry residues



Straw



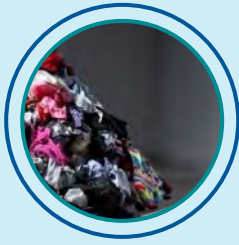
## Circular (technical)



Mixed Plastic Waste



End-of-life tires



Waste textiles



CO<sub>2</sub>  
(post-industrial)

## Renewable



Hydrogen



Power-to-X

# ISCC Sustainability Principles: Agriculture and Forest Biomass



## Principle 1

Protection of  
biodiverse and  
carbon rich areas



## Principle 2

Good Agricultural  
Practice and  
Sustainable Forest  
Management



## Principle 3

Safe Working  
Conditions



## Principle 4

Compliance with  
Human, Labour and  
Land rights



## Principle 5

Compliance with  
Laws and  
International Treaties



## Principle 6

Good Management  
Practices and  
continuous  
Improvement





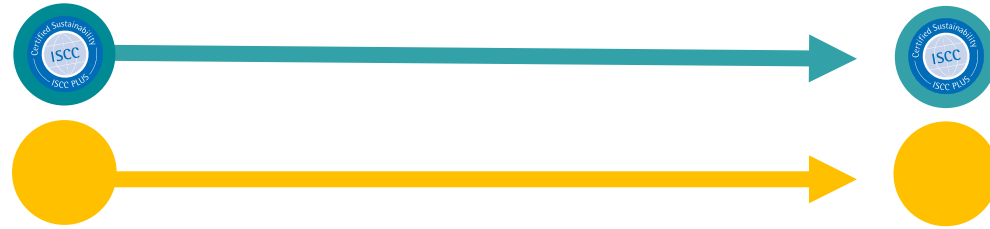
# GHG emissions under ISCC PLUS

Companies can integrate their carbon footprint by applying the “GHG Emissions” Add-on.

The calculation methodology is stated in the ‘ISCC EU 205 Greenhouse Gas Emissions’ and ‘ISCC PLUS’ system documents.

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

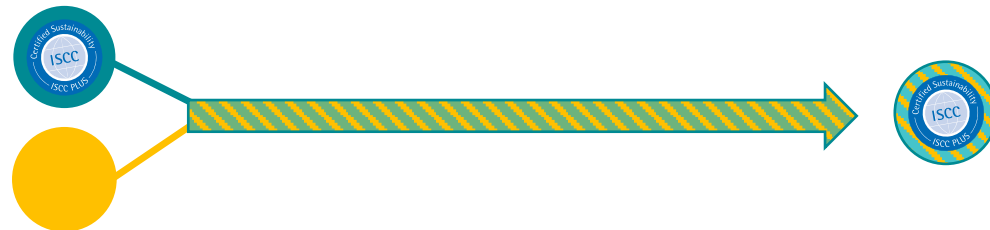
## Physical Segregation



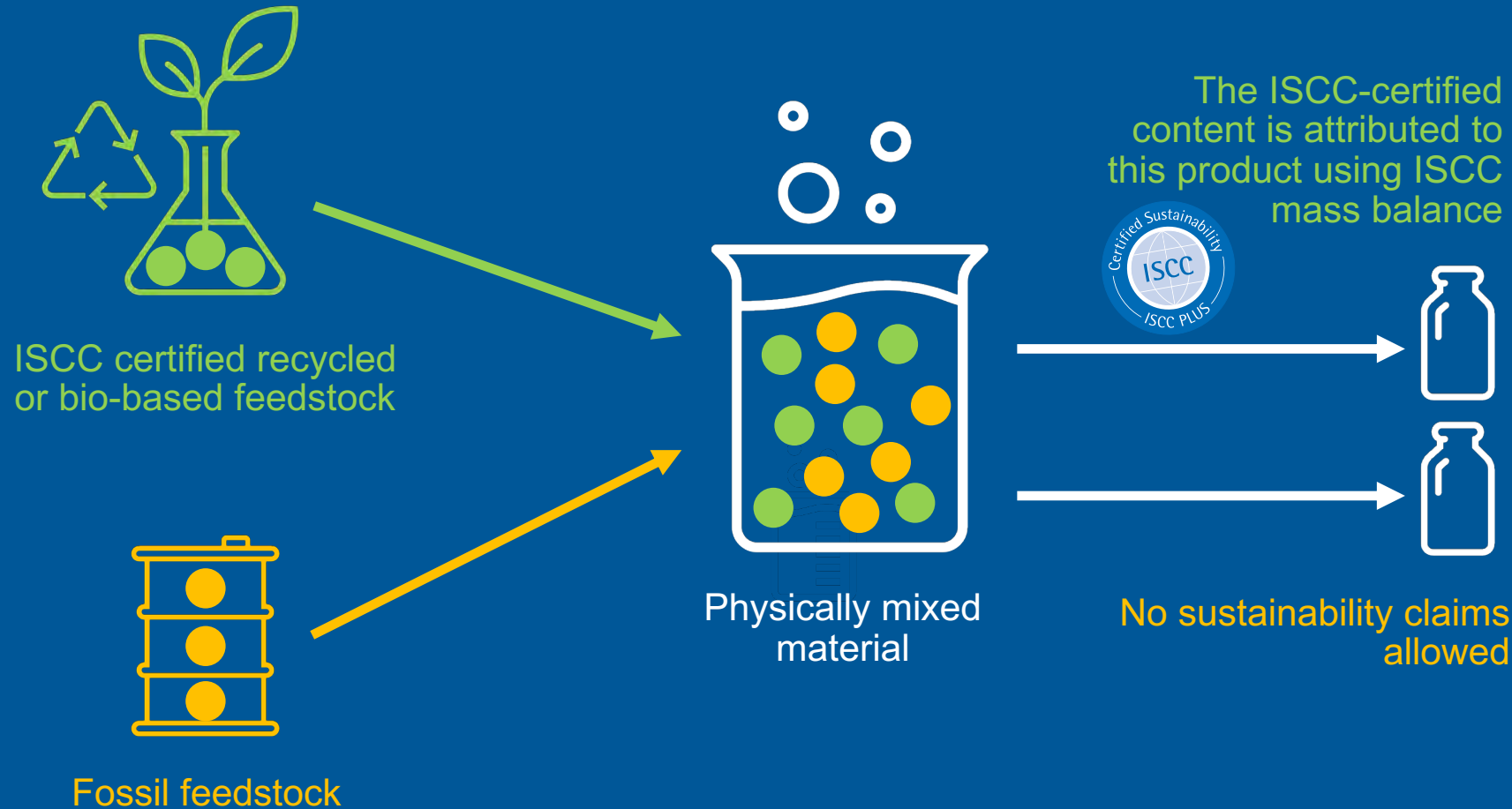
## Controlled Blending



## Mass Balance



# ISCC supports mass balance accounting



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

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



# Basic requirements for mass balancing under ISCC

Mass balance is site specific



Max. 3 months long period

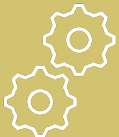


Must not be negative at the end



**Pre-requisite**

Conversion factor based on operational data



Chemically/technically possible



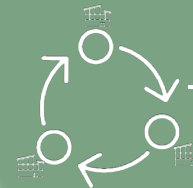
Output must not be higher than input in a MB period



**Feasibility**

**Sustainability Declaration**

Indication of multi-site credit transfer – if used



Indication of used MB option



# Traceability

## Agricultural feedstocks and agricultural crop residues

SIMPLIFIED



## Waste and processing residues

SIMPLIFIED



# Sustainable products can be tracked back step by step



Self-Declaration



Sustainability Declaration



# ISCC Logos and claims

The ISCC Corporate logo is available for ISCC system users holding a valid ISCC certificate, valid licensees, members of the ISCC association and certification bodies. It may be used for all off-product applications, e.g. on marketing materials, websites, sustainability reports, sustainability declarations, corporate materials, and in email signatures, but never on products.



# ISCC Logos and claims

**On product logo(s)** depend on the type of raw material category and chain of custody option



# ISCC Logos and claims

**Here are some examples of possible claims under ISCC:**

## **Physical segregation:**

- This product is based on sustainable certified raw materials
- This product is made from certified raw material based on the ISCC sustainability requirements
- This product is made from ISCC-certified sustainable feedstock/raw material



# ISCC Logos and claims

**Here are some examples of possible claims under ISCC:**

## **Mass balance:**

- By using ISCC certified recycled plastics, this product contributes to the circular economy
- We replaced virgin fossil resources with recycled material during the production of this product (via the ISCC mass balance approach)
- The production of this bottle supports the recycling of plastic by using the ISCC mass balance approach

# ISCC PLUS requirements are in line with important initiatives

## Ellen McArthur Foundation White Paper (2019)



## Plastics Europe Industry View Paper (2020)



## American Chemistry Council Mass Balance Certification Principles for Advanced Recycling (2020)



## Position Paper cefic (2020)



# ISCC puts significant emphasis on stakeholder dialogue

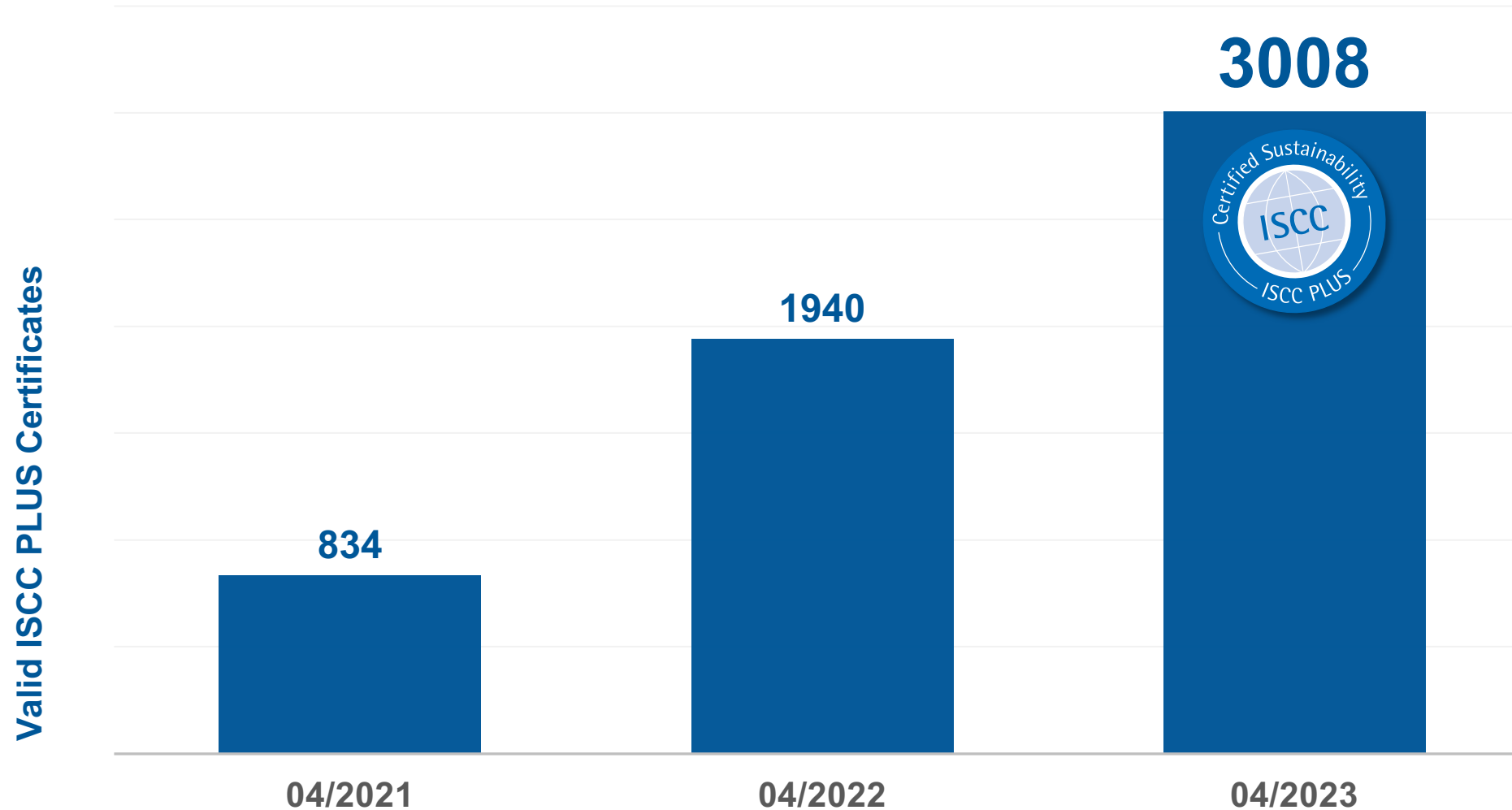




# Many companies rely on the credibility of the ISCC PLUS certification system



# The number of ISCC PLUS certificates continues to increase





# An ISCC PLUS certification adds value for consumers



Third-party certification is an effective and proven way for brands to increase consumer trust

→ A study from 2018 showed that third-party certification labels as signaling instruments effectively reduce the risk of poorer performance and positively affect consumers' purchase intentions for sustainable products if the label is viewed as credible.<sup>1</sup>



Greenwashing allegations can be avoided - Claims are credible and trustworthy with ISCC PLUS certification

<sup>1</sup> Brach, S., Walsh, G. and Shaw, D. (2018). Sustainable consumption and third-party certification labels: Consumers' perceptions and reactions. European Management Journal 36, 254 - 265





More and more  
brand owners  
become ISCC  
certified or  
ISCC licensed

Examples

\*\*\*  
Swedish Match.



**Beiersdorf**



DELIZIO



**KraftHeinz**

**Tupperware**



# With the licensing scheme, brand owners can apply the on-product logos more easily

All licensees and their products appear in the [license database](#):

## ISCC License Database

Please find a list of all ISCC licensees below. Expired licenses are marked in red. The license is crossed out if a license was withdrawn. From the date of publication on the website, the license agreement is valid and ISCC logos and claims can be applied by the licensee **upon prior approval** by ISCC.

Search:

Status	Product name	Product or Packaging	Licensee	License number	Countries/Region	Valid from
✓	Aino Ice Cream Tubs, 900ml	Packaging	Froneri Finland Oy	ISCC-L-1	Finland	2021-08-31
✓	Global Protection Day Cream, 50ml	Packaging	REN Clean Skincare	ISCC-L-3	Worldwide	2021-09-09
✓	Evercalm Gentle Cleansing Milk Sample, 50ml	Packaging	REN Clean Skincare	ISCC-L-3	Worldwide	2021-09-09
✓	Glow Daily Vit C, 50ml	Packaging	REN Clean Skincare	ISCC-L-3	Worldwide	2021-09-09
✓	Bioretinoid Cream, 50ml	Packaging	REN Clean Skincare	ISCC-L-3	Worldwide	2021-09-09
✓	Radiance Dark Circle Eye Cream, 15ml	Packaging	REN Clean Skincare	ISCC-L-3	Worldwide	2021-09-09
✓	XRRange (XR), Medium Can	Packaging	Swedish Match	ISCC-L-4	Worldwide	2021-09-23
✓	ZYN, Medium Can	Packaging	Swedish Match	ISCC-L-4	Worldwide	2021-09-23
✓	ZYN, Large Can	Packaging	Swedish Match	ISCC-L-4	Worldwide	2021-09-23





# More and more brand owners are using the ISCC logo on products



# Value created by ISCC PLUS certification





A large sea turtle, likely a Hawksbill, is swimming gracefully underwater. The turtle is positioned in the lower-left to center of the frame, moving towards the upper right. Its shell is a mix of brown and green with distinct scutes. The water is clear and blue, with sunlight filtering through from the surface, creating a shimmering effect. In the background, a coral reef is visible, with various coral structures and some green algae. The overall scene is serene and emphasizes the beauty of marine life.

**Come and join us  
on the way to  
support a  
sustainable  
future!**



**ISCC**

International Sustainability  
& Carbon Certification





# Thank you!

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