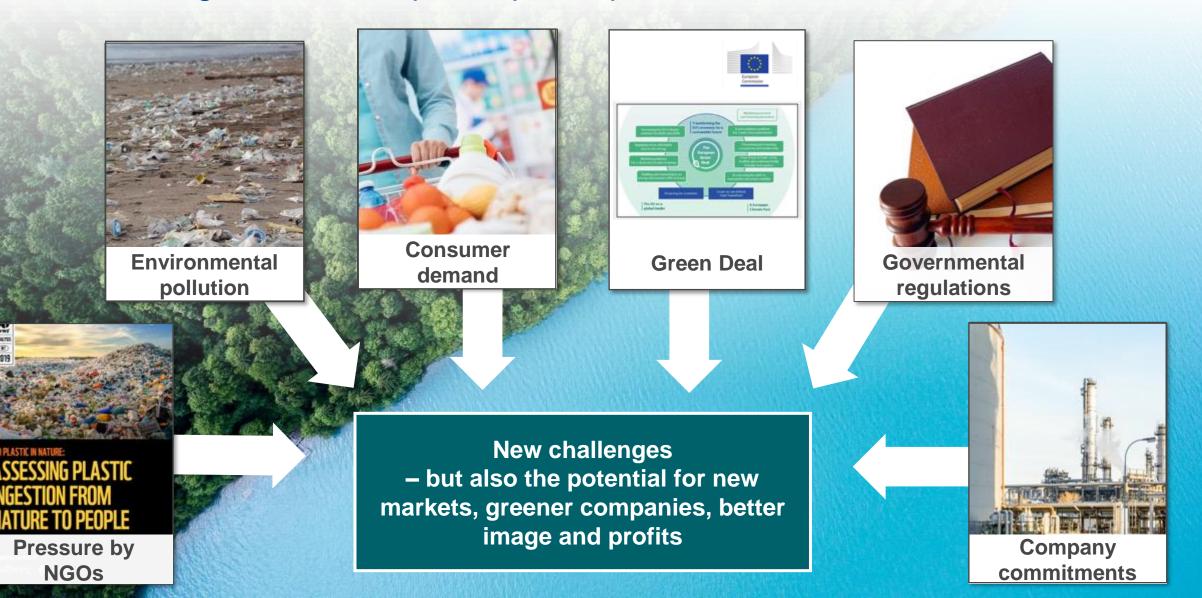


ISCC PLUS for the Circular Economy and Bioeconomy



Jasmin Brinkmann, ISCC System GmbH

Several drivers push the growth of the circular economy and bioeconomy. This poses challenges, but also opens up new potentials



We urgently need better solutions



Recycling plastics helps to solve the plastic waste problem



Bio-based plastics reduce the dependency on fossil fuels

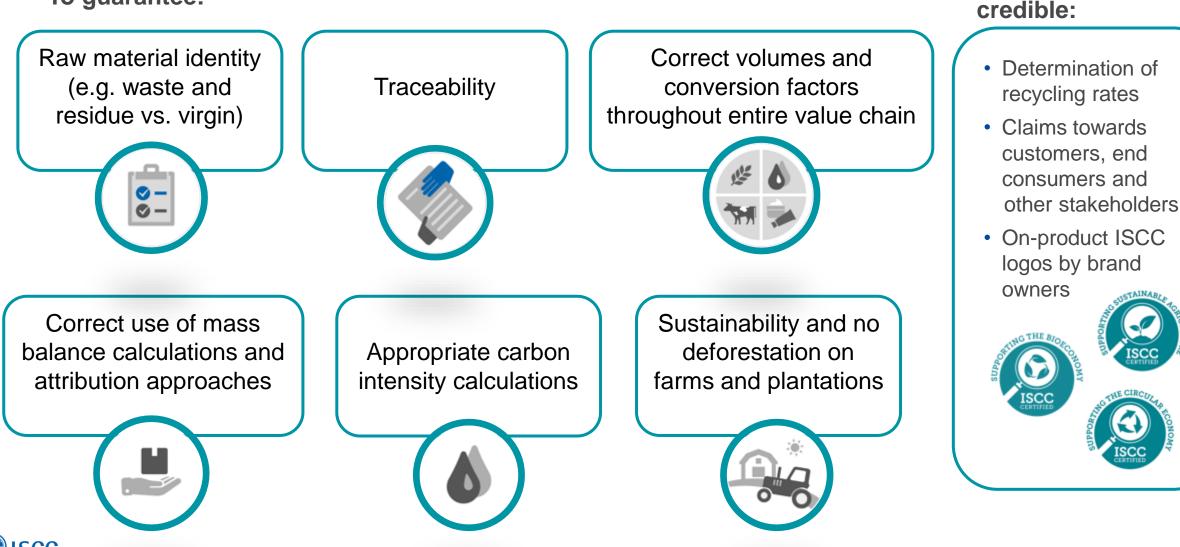


Recycled and bio-based plastics support the transition to a circular economy and bioeconomy



Why do we need certification?





Certification allows

The ISCC Association is a multi-stakeholder initiative comprised of currently 221 members. New members are very welcome!





As of 16th November 2022 Sensitivity: External

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ISCC puts major emphasis on a regional and technical stakeholder dialogue

Global Events Since 2011

> Technical Committee on Solid Biomass Since 2011

Regional Stakeholder Committee North America Since 2012

> Regional Stakeholder Committee Latin America Since 2010

Regional Stakeholder Committee Europe Since 2010

Technical Stakeholder Committee "Sustainable Aviation Fuels"

Since 2021

Technical Stakeholder Committee "Circular Economy & Bioeconomy" Since 2020

> Regional Stakeholder Committee Southeast Asia Since 2013

Technical Committee on Waste, Residues and Advanced Low Carbon Fuels Since 2018





ISCC Technical Stakeholder Committee "Circular Economy and Bioeconomy"

- Platform to support innovative solutions in the circular economy and bioeconomy and to further develop ISCC PLUS
- Six meetings since 2020
- Two working groups, one on mass balance and one on brand recognition

Next meeting: 6 June 2023

More information and registration

Co-Chairs

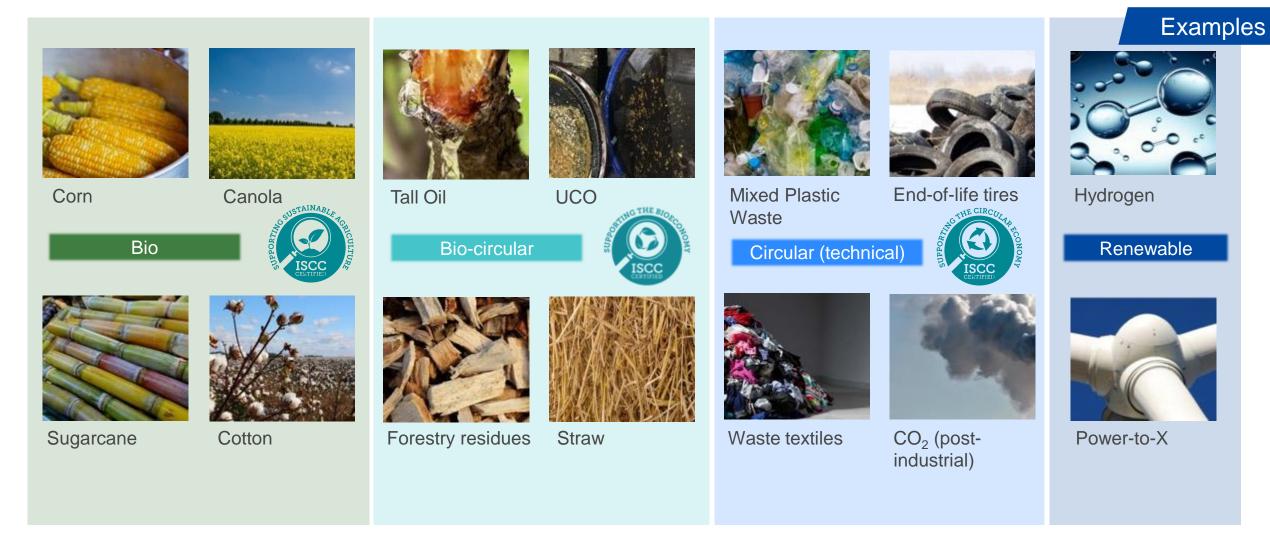


Mr Frederic Dreux (Unilever)



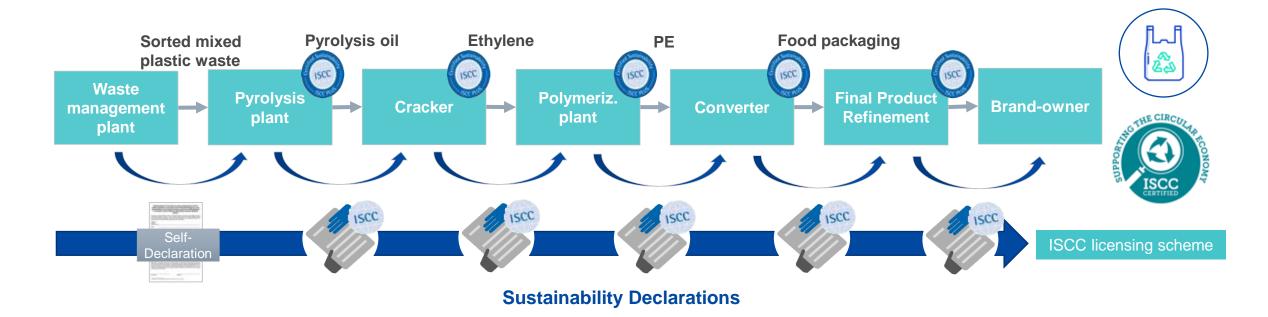
Mr Jason Pierce (Eastman)

These raw material categories are used under ISCC PLUS



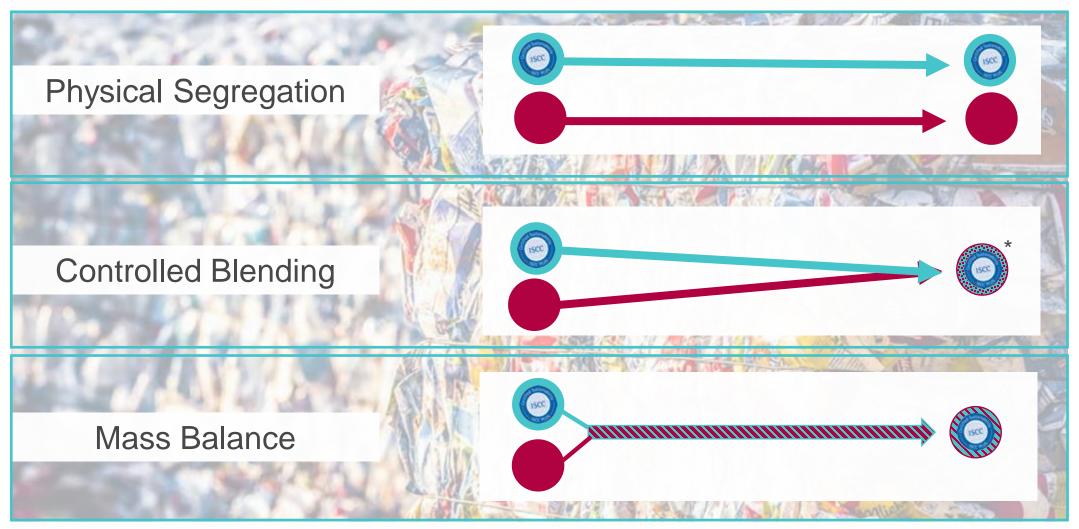


Third parties verify in on-site audits certified amounts and that no doubleclaiming takes place – How it works under ISCC for a recycling supply chain



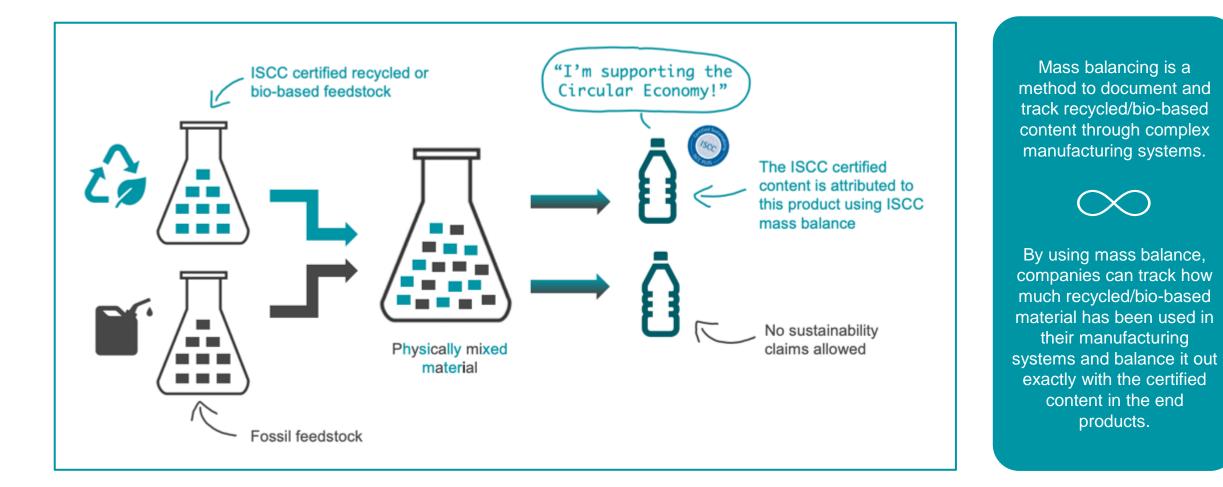
- Certified parties issue sustainability declarations on certified attributed recycled volumes to next in supply chain
- Documentation of all incoming and outgoing volumes in site-specific mass balance
- Third-parties verify ISCC requirements in annual on-site audits

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



*known proportions of certified input in output

ISCC supports mass balance accounting



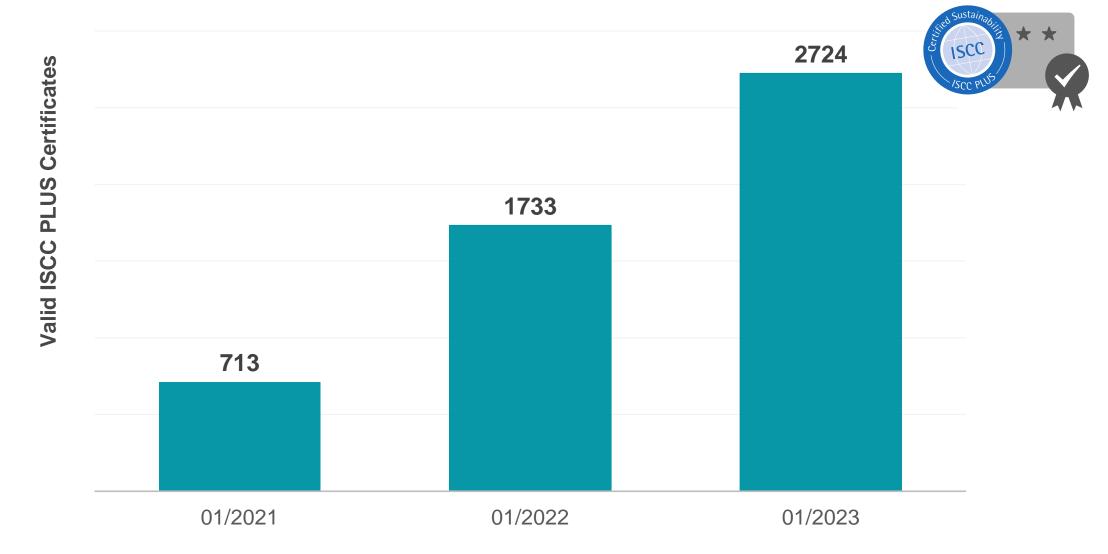


ISCC certification and verification process





Every year the number of ISCC PLUS certificates increases significantly





More and more brand owners become ISCC certified or ISCC licensed.



How to create on-product communication of ISCC PLUS certified final products

- 'mass balance' or equivalent terms must be indicated on pack
- reference to the certified part of the product if not obvious
- certified percentage of the parts the claim refers to
 - If greater than 90%, percentage is not mandatory to be stated on pack
 - If less than 20%, on-product logo is not allowed, only on-pack claim is possible
- raw material category

Above mentioned information can be addressed by the combination of logo and claim



One logo per raw material category





Recent examples of ISCC certified/licensed consumer-facing products



Mattel's Matchbox Action Drivers are linked to ISCC certified bio-attributed plastic (mass balance approach)





Nestle's Nesquik packaging for the French is market linked to 50% recycled plastic certified by the ISCC mass balance approach





The cap and hood of **Pigeon** nursing bottles are linked to 100% bio-based plastic certified by ISCC (mass balance)





The cap and hood of this bottle is made with 100% bio-based plastic. The plastic can be traced back to biological waste material which is attributed to this bottle via the ISCC mass balance approach.







Examples of ISCC certified system users increasingly communicate their efforts to external stakeholders via CSR reports, press releases and websites



Mass balance is third-party certified to the ISCC PLUS standard, an international certification system for sustainable, traceable supply chains. Our partners use ISCC standards on an ongoing basis to ensure accuracy in the materials we use to make our products. This third-party certification provides transparency to track certified recycled content through critical points in the value chain, allowing brands to make claims with meaning.



care packaging

Nelipak



Sustainability for Healthcare & Pharmaceutical Packaging Nelipak Healthcare Packaging receives ISCC PLUS Certification

ISCC PLUS certification reflects Nelipak's Commitment toDelivering Sustainable Packaging "This third-party validation is a critical step to developing circular solutions," said Pat Chambliss, CEO at Nelipak. "Nelipak works with our customers to help them reach their circularity targets by developing products which include recycled content. Achieving ISCC PLUS certification demonstrates clearly that Nelipak is a strong partner for developing and delivering sustainable packaging solutions for the healthcare sector."



Mitsui Chemicals Acquired Additional ISCC PLUS Certification

Aiming to expand social implementation of biomass-based products under a mass balance

Iyondellbasell Advancing Possible

Future Focused

Download our 2021 Sustainability Report

To ensure the integrity of our Circulen products, we offer third-party ISCC PLUS certification. This approach verifies that our processes meet sustainability and traceability requirements across the supply chain. ISCC PLUS certification is a globallyrecognized system for providing traceability

ISCC PLUS certification is a globallyrecognized system for providing traceability of recycled and renewable-based materials across the supply chain. In 2021, LyondellBasell began providing mass balance certificates for its advanced recycled and renewable-based *Circulen* polymers produced in Europe and advanced recycled *Circulen*Revive products produced at four of its U.S. manufacturing sites.



Consumers are increasingly aware of the impact of single-use waste, and we want to do our part as a leader in the quick-service restaurant industry to provide more sustainable options."

iana Esposito, Wandy's Chief Corporate Afflaire Surfained line Official

CIRCULAR SUPPLY

Lay's introduces ISCC certified chips packaging linked to bio-based materials



https://lays.fr/nos-engagements



LES ENGAGEMENTS LAY'S

Notre sachet est dérivé à 50% de plastique renouvelable issu d'huiles végétales de 2ème génération, selon le principe du bilan massique

Notre sachet est issu à 50% de matières végétales, provenant aujourd'hui d'huile de plantes (notamment des huiles végétales recyclées, de l'huile de colza, de l'huile de maïs, huiles de tall) qui seraient jetées en temps normal. Pour éviter cette perte, l'huile est collectée et transformée en matériau qui rentre dans la composition de nos sachets de chips.

Pendant le processus de production, les plastiques d'origine végétale sont mélangées aux autres matériaux plastiques, en suivant le principe de bilan massique. Le principe de bilan massique est une démarche certifiés ISCC et reconnue internationalement, utilisée dans les chaînes d'approvisionnement de produits biosourcés. Concrètement, cette certification garantie que nous achetons une quantité de matériaux d'origine végétale certifiée ISCC équivalente à 50% des matériaux de nos emballages. Ces matériaux sont susceptibles d'être utilisés dans d'autres unités d'emballages.

KitKat introduces ISCC certified wrappers linked to 30% recycled plastic



ISCC Certified

Our *KitKat* wrappers with 30% recycled plastic are ISCC certified. The recycled content is allocated using the ISCC mass balance approach.

ISCC is International Sustainability & Carbon Certification; it is a system that supports new recycling technologies that transform hard to recycle materials into new plastic, working towards a more sustainable world.

https://www.kitkat.com.au/givetheplanetabreak



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Sensitivity: External

With the licensing scheme, brand owners can apply the new logos more easily



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**.

0							
-						~	
tries arch:							
Status	Product name	Product or Packaging	Licensee	License number	Countries/ Region	Valid from	
2	Aino Ice Cream Tubs, 900ml	Packaging	Froneri Finland Oy	ISCC-L-1	Finland	2021- 08-31	
?	Gauloises Liberté	Packaging	Imperial Tobacco	ISCC-L-2	Germany	2021- 11-05	
2	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	
2	XRange (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	
2	ZYN, Large Can	Packaging	Swedish Match	ISCC-L-4	Worldwide	2021-	

The ISCC licensing scheme only applies to brand owners/retailer at the downstream end of the supply chain







The licensee is

- a brand owner at the end of the supply chain OR
- a retailer that would like to actively advertise ISCC products

The supplier of the ISCC certified final product

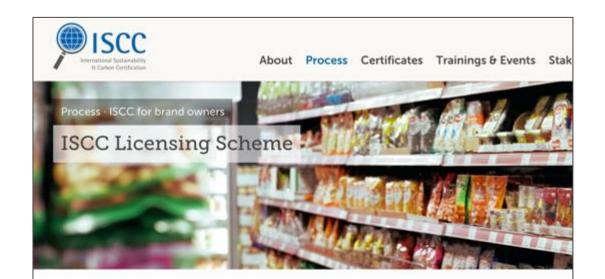
- holds a valid ISCC certificate at the time of delivery AND
- issues ISCC Sustainability Declarations for each batch of delivery to the licensee

The licensee receives an ISCC certified final product that

- is filled or packed by the licensee
- cannot be fundamentally altered by the licensee



What to do if a company is interested in the ISCC Licensing Scheme?



ISCC Licensing Scheme

The new ISCC licensing scheme is now applicable!

The ISCC licensing scheme is a tailor-made concept for brand owners. It allows companies at the end of the supply chain to communicate and promote ISCC certified materials. ISCC operates the licensing programme to add value for consumers and to increase transparency and traceability at the end of the supply chain.

A non-certified company is required to obtain an ISCC license if it sells ISCC certified final products or uses ISCC certified packaging materials and wants to use an ISCC logo or an ISCC claim. This includes companies that sell products/packaging materials with the ISCC on-product logo. Please note that the ISCC certified materials shall not



They can check our website:

https://www.isccsystem.org/process/iscc-licensingscheme/



For more complicated scenarios send an email to:

license@iscc-system.org



We take responsibility to protect our environment and the climate!

