



Update on ISCC PLUS

Dr Jan Henke

Director ISCC System GmbH / Meo Carbon Solutions GmbH
TC Circular Economy and Bioeconomy, 6 June 2023



Anti Trust Clause

The ISCC Association will not enter into any discussion, activity or conduct that may infringe, on its part or on the part of its members and participants, any applicable competition laws. By way of example, members and participants shall not discuss, communicate or exchange any commercially sensitive information, including non-public information relating to prices, marketing and advertisement strategy, costs and revenues, trading terms and conditions and conditions with third parties, including purchasing strategy, terms of supply, trade programmes or distribution strategy. This applies not only to discussion in formal meetings but also to informal discussions before, during or after meetings.

Highlights of ISCC PLUS Developments in 2023

New ISCC PLUS
System Document
V3.4 published

Updated **corporate
design** and ISCC
seals

Strong growth of the
**ISCC licensing
scheme** and
improvement of
licensing set-up

Extension of
attribution options

Highest number of
registrations for **TC
Circular Economy
and Bioeconomy**

Extensive
stakeholder dialogue
on **EU Directives,
plastic tax**

Ongoing inclusion of
**new materials,
processes**

Over **3000 ISCC
PLUS certificates**
globally

Highest number of
participants for **ISCC
PLUS Training**

Position papers opt for an “Energy-excluded” mass balance approach without defining details yet

Cross sectoral statement on the policy framework needed to deliver recycled content in key plastics applications

To conclude, the undersigned associations call on the European Commission to use the SUPD legal basis to adopt in 2023 EU calculating rules enabling the use of a mass balance credit method with a fuel-use exempt model to calculate the chemically recycled content in plastics. In addition, there should be clarity and coherence on these rules across other pieces of legislation addressing recycled content in plastics and non-plastic chemical materials. This would boost the circular economy, strengthen the EU's strategic autonomy in raw materials and contribute to meet climate targets.



ADIVALOR CITEO EcoLogic econation ecosystém Re_fashion VALDELIA

Mass Balance – credit method:

The position of the signatory producer responsibility organisations as regards chains of custody, and in particular mass balance and the credit method with a view to developing new plastics recycling technologies is as follows:

- We deem it necessary to limit use of the **Mass Balance – credit method chain of custody approach** to thermal conversion technologies for using non-fuel petrochemical products.
- Temporary tolerance could be allowed for the sole upscaling phase of the other technologies (depolymerisation, dissolution) to support their development and ultimately achieve chain of custody models that are more precise, such as segregation³ or controlled blending³ models.
- To establish the method's credibility when applied to recycling, we recommend excluding products of steam cracking for energy applications from conversion factor calculations determining the quantity of credits, while retaining free allocation of these credits within non-energy products to address the sectors most in demand for recycled material (Option 3 “Fuel exempt”, see diagram in appendix).

cefic POSITION PAPER

Chemical Recycling: Delivering recycled content to meet the EU's circular economy ambitions – the Single Use Plastics Directive Implementing Act and the Packaging and Packaging Waste Directive revision

The chemical industry is committed to boosting the circular economy by delivering recycled content which is urgently needed to strengthen the EU's strategic autonomy in raw materials and meet climate targets. This requires a clear and enabling EU legislative framework which increases the recycled content of materials in a cost-efficient and transparent manner with limited environmental impacts¹, while taking into account the complexity of chemical processes. The use of a third-party certified mass balance chain of custody method, with a fuel-use exempt model, is seen as indispensable to meeting the EU's climate and circularity targets in time by leveraging Europe's existing industrial infrastructure. The framework should ensure a harmonised and predictable approach across the many pieces of EU legislation that address recycled content.

The Consumer Goods FORUM

Plastic Waste

Chemical Recycling in a Circular Economy for Plastics

A Vision and Principles Paper

Building and construction industry moves to accept the mass balance approach

19th September 2022*

Position on Mass Balance chain-of-Custody and Environmental Product Declaration (EDP)

Mass Balance is crucial for the transition of the construction sector towards a circular economy

Draft implementing Act – SUP beverage bottles – Rules for calculating, verifying and reporting recycled plastic content



- Laying down rules for the application of Directive (EU) 2019/904 of the European Parliament and of the Council as regards the calculation verification and reporting of data on recycled plastic content in **single-use plastic (SUP) beverage bottles**.
- Focus on **mechanical recycling**
- Rules for **controlled blending, mass balancing/ attribution (chemical recycling)** to follow likely in Q4

Ongoing development of plastic taxes and mass balance acceptance

Countries we receive the most inquire



	Certification scheme recognition status	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 -> in discussions	Consultation phase for mass balance acceptance will open soon

Proposal for the Green Claims Directive



Brussels, 22.3.2023
COM(2023) 166 final

2023/0085 (COD)

Proposal for a

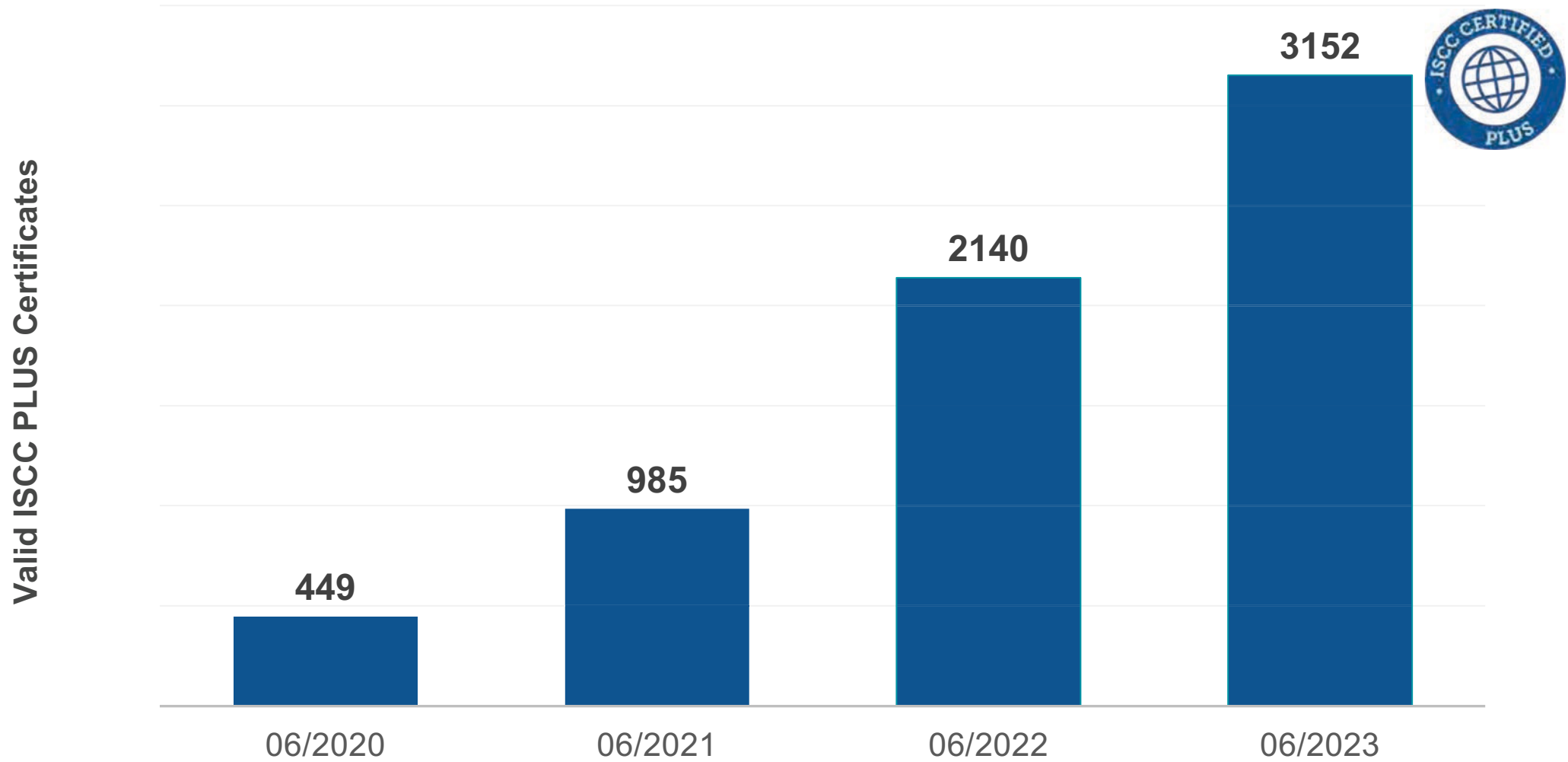
DIRECTIVE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

on substantiation and communication of explicit environmental claims (Green Claims Directive)

*„In the European Green Deal the Commission committed to ensure that **consumers** are empowered to make **better informed choices** and play an active role in the ecological transition. More specifically, the European Green Deal sets out a commitment to **tackle false environmental claims** by ensuring that **buyers receive reliable, comparable and verifiable information** to enable them to make more sustainable decisions and to **reduce the risk of ‘green washing’**‘.*

- ISCC has analysed the proposal (report)
- Requirements for environmental labelling schemes are mostly already in place at ISCC
- Waiting for details to be published in regard to claims
- Some open questions regarding the recognition of schemes and implementation of claims

The amount of ISCC PLUS certified companies has increased significantly for several years



The ISCC licensing scheme is an approach for brand owners to use ISCC logos and/or claims

License development

2022/06

17

2023/06

60

16

current effective
licenses

licenses in
pipeline



The ISCC Association is a multi-stakeholder initiative comprised of currently 238 members



ISCC PLUS TC/ WG activities

- Mass balance working group, 24 Jan 2023, Online
- Logos & Claims working group, 21 Feb 2023, Online
- Pilots on "energy excluded" ongoing as part of mass balance working group
- ISCC Technical Stakeholder Meeting “Circular Economy and Bioeconomy”, 06 June 2023, Online
- Discussions Cefic/ Plastics Europe
- Many bilateral meetings
- PCF and combination with mass balance



ISCC PLUS present at external conferences

- Webinar on Recycling of Flexible Packaging, 17 Jan 2023, Online
- CEPS Roundtable Discussion on Chemical Recycling, 25 Jan 2023, Brussels, Belgium
- European Biopolymers Summit, 08-09 February, UK
- World Biopolymers and Bioplastics Innovation Forum, 01-02 March 2023, Germany
- Eurochlor Conference, 7 March 2023, Brussels, Belgium
- Chemical Recycling Conference, 20-22 March 2023, Houston, USA
- Bio!TOY Conference, 21-22 March 2023, Germany
- Sustainable Feedstocks for the Future of Chemicals & Plastics, 29-30 March 2023, Rotterdam, NL
- 4th Go Circular Business Summit, 19-20 April 2023, Rotterdam, Netherlands
- Plant Based Summit, 13-15 June 2023, Lille, France
- Sustainable Polyolefins Markets & Innovations, 21-22 June 2023, Brussels, Belgium
- Innovation and Circularity Summit – Advanced Recycling and the Future of Plastics, June 28-29, USA
- FEICA European Adhesives & Sealant Conference 2023. 13-15 September, Terragona
- Sustainable Feedstocks for the future of Chemicals and Plastics ASIA, 17-18 Oct 2023, Bangkok



ISCC PLUS activities regulators

ISCC PLUS meetings with EC

- January 2023
- June 2023
- Potential meeting with EC on Green Claims Directive

Meetings with third countries

- Korea Ministry of Environment, 04 April 2023
- Korean delegation from KPRC and members, 09 May 2023
- Potential Japan delegation

ISCC meetings with Member State EPR organizations

- Ecoembes (Spain), 27 April 2023
- CITEO (France), 04 May 2023



Last TC meeting in Nov 2022

2023 will become **age of more maturity**, capacity increase, additional raw materials and markets. **Further maturing the system**



Continue work on **explaining mass balance** approach



Work on and explain **additional attribution option**



Continue work on **scaling up licensing, logo use, consumer acceptance**



Watch the **regulatory space**, discuss with regulators, prepare ISCC PLUS for upcoming regulation



Work on integration of **PCF** under ISCC PLUS; alignment where possible with GHG Protocol, ISO, TfS; how to align emission allocation and mass balance attribution approaches under ISCC PLUS?

Work on acceptance of mass balance in LCA space



ISCC PLUS Training

Circular Economy and Bioeconomy

CONTENT

Comprehensive information about the ISCC PLUS certification system

Chain of custody options, mass balancing, yield calculations and attribution approaches

ISCC audit requirements and ISCC application along the supply chain

Logos, Claims and ISCC Licensing scheme

ISCC PLUS Training

Circular Economy and Bioeconomy

- Deepen the understanding of ISCC PLUS certification
- Get familiar with the certification & audit requirements
- Information on chain of custody options, mass balancing and attribution options under ISCC PLUS
- Find out about the use of claims and logos for different applications
- Conduct and discuss several case studies in group works
- Discover further market opportunities for your company

Next Dates:

14 – 15 June: Online training

15 – 16 November: Onsite training,
New Orleans – LA, US

New Orleans USA

**13
November
2023**

**1st ISCC
Licensing
Training**

For companies
interested in the
ISCC Licensing
Scheme

**14
November
2023**

**12th ISCC
Stakeholder Meeting
– North America**

For all
stakeholders
interested in and
relevant for the
North American
Market

**15-16
November
2023**

**ISCC
PLUS
Training**

Mainly for
auditors and
companies from
the chemical
and packaging
industry



Outlook 2nd half 2023

- Finish “**energy excluded**” pilots
- Keep up discussions with **regulators**
- Development of a practical, implementable **attribution approach based on SUP** requirements
- **Implementation** within ISCC PLUS as additional attribution option
- **Adjust** ISCC PLUS where necessary **to IA requirements**
- Working on potential **recognition** of ISCC PLUS with EC
- Intensify activities in **SEA, NA**
- Further promotion of ISCC PLUS **licensing** scheme and continue work on becoming more **consumer facing**
- Supporting smooth transition to ISCC PLUS **V3.4** system document
- Integrating **carbon footprint** calculations and claims

Wrap up and next steps

- Lots of activities on regulation and potential recognition of mass balance, attribution, third party certification
- Need for third party certification schemes analyzed by regulators
- Certification requirements may be defined by regulations. ISCC to stay involved in discussions
- Analyze relevant regulations and initiatives and be prepared to enable certification accordingly
- Continue working on providing a credible, transparent third party certification system to the market
- Interesting to see how different segments see mass balance
- Demonstrate strength of system, rigidity, and show examples from other sectors to extend recognition
- Continue to explain mass balance to customers and also consumer. Help to create value
- Work on EPD mass balance acceptance
- Further work on North American and SEA market
- PCF integration (working group)



Thank you!

ISCC System GmbH

Hohenzollernring 72, 50672 Köln, Germany
Amtsgericht Köln HRB 68185

www.iscc-system.org

