Update ISCC PLUS

Dr Jan Henke, ISCC System GmbH
ISCC Technical Stakeholder Meeting “Circular Economy and Bioeconomy”, 04 June 2020
ISCC PLUS offers solutions for the **circular** economy and **bioeconomy**

**Feedstock**

**Intermediates, products**

**Brand owner, producer**

**Markets/ Applications**

- Mobility
- Packaging
- Electronics
- Agriculture
- Medical
- Household
- Construction, housing
Many companies rely on the credibility of the ISCC certification system

**ISCC certification stands for:**

- Sustainability
- Segregation or mass balance
- Clear attribution rules
- Traceability
- Feedstock identity
- Conversion factors/ volumes
- Logos and claims
- Add-ons like LCA
Several drivers push the growth of the **bioeconomy** and **circular economy**. This poses challenges, but also opens up new potentials.

- **Environmental pollution**
- **Consumer demand**
- **Pressure by NGOs**
- **Green Deal & Circular Economy Action Plan**
- **Governmental regulations**

New challenges – but also the potential for **new markets**, **greener companies**, better **image**, and **profits**.
ISCC PLUS requirements are in line with important initiatives

- Feedstock identity
- Defined system boundaries
- Clear allocation rules
- Credible claims
- Transparent documentation
- Third-party verification
ISCC PLUS updates to cover the circular economy and bioeconomy

ISCC PLUS

- System Document, v. 3.2
- Material List
- Self-declarations
- Sustainability Declaration
- Procedures
- Logo and Claims guidelines
New website for the circular economy and bioeconomy

www.iscc-system.org/about/circular-economy/
ISCC PLUS certification is growing

![Graph showing the growth of ISCC PLUS certificates from June 2018 to June 2020. The number of valid certificates increased from 169 in June 2018 to 236 in June 2019 and to 436 in June 2020, representing an increase of 40% and 85% respectively.]
ISCC PLUS Training
Circular Economy and Bioeconomy

22 – 23 September 2020, Online event

Content:

- Comprehensive information about the ISCC PLUS certification system
- ISCC audit requirements and ISCC application along the supply chain
- Chain of custody options, mass balancing, yield calculations and attribution approaches, overview on logos and claims

Target Group:

- Auditors
- Companies (especially from the chemical and packaging industry)
- Brand owners and retailers
- Other interested parties

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Aptar has created the world's first circular beauty packaging that is certified to the ISCC PLUS standard (on a mass balance basis)

The Villingen site received the ISCC PLUS certification, which guarantees the traceability of the raw material used for packaging injection. It certifies that the material has been used in compliance with ISCC PLUS standards, which ensures a reduction of virgin material use.

incineration or landfill, into virgin plastic, which has been audited and approved by the ISCC according to a mass balance approach.
Borealis produces ISCC PLUS certified polypropylene (mass balance basis) with Neste’s renewable attributed feedstock
DSM introduced ISCC certified bio-based and recycled alternatives for its engineering plastics portfolio.

As an immediate step, today, DSM Engineering Plastics is launching bio-based grades of its Arnitel® and Stanyl® product portfolio manufactured via a mass-balancing approach of bio-based feedstock. The Stanyl bio-based grades are already available with the globally recognized sustainability certification ISCC Plus.

Eastman introduced its carbon renewal technology and uses ISCC PLUS

Eastman’s recycled materials will be certified by International Sustainability & Carbon Certification (ISCC), an independent agency for tracking sustainable content in a variety of industries. Costa said Eastman will work across the value chain – with Eastman customers, potential feedstock suppliers, product manufacturers, brands, and non-governmental organizations such as the Ellen MacArthur Foundation (EMF) and others – to implement this large-scale circular solution for recycling waste plastics. Eastman became a member of EMF’s Circular Economy 100 Network earlier this year.

“The problem of waste plastics is not one that can be solved by a single company, but Eastman is taking definitive action to do our part,” Costa said. “Beginning commercial production of carbon renewal technology is a proof point of our determination to act quickly and decisively to accelerate the circular economy. Bringing this project to fruition so quickly – just eight months after we announced our intention to be a leader in chemical recycling – required innovation by some of the world’s brightest minds and effort by thousands of members of the Eastman team.”

SABIC announced in 2019 the introduction of ISCC certified circular polymers in Davos

MAGNUM just launched a new website on ISCC certified circular feedstock sourced for its packaging

ISCC is a Sustainability Certification system for all feedstocks and markets. The resin supplier SABIC is certified, as are all our other suppliers.

The plastic resin we use to produce this our Magnum tubs is made with certified circular recycled plastic based on a mass balance approach.

Source: https://www.magnumicecream.com/uk/stories/food/recycled-tubs.html
Examples for off-product communication: DOW and UPM partner to commercialise wood-based UPM BioVerno renewable naphtha

This process also significantly reduces CO2 emissions, especially by carbon sequestration, compared to standard fossil derived PE resins, and the plastics produced can help brand owners meet their sustainability packaging goals. The entire supply chain is International Sustainability and Carbon Certification (ISCC) certified, based on a mass balance approach, meaning all steps meet traceability criteria and reduce negative environmental impacts.

Hammarplast uses the ISCC logo on its medical devices
Vynova has launched a new range of bio-attributed PVC using renewable ethylene referring to second-generation biomass.
Jindal Films announced its ISCC PLUS certification

Jindal Films has identified different sources of ISCC PLUS certified polypropylene, made of various vegetal renewable sources like sunflower, soybean, rapeseed, tall oils and other vegetal oils via a mass balance approach. These are ethically sourced and used to produce naphtha, which is itself converted into propylene, before being polymerized into polypropylene and introduced into Jindal Films’ production process. As a result, without any compromise in the final film properties or its food contact approvals, Jindal Films is proud to announce a film range made out of these ISCC PLUS certified sustainable sources, through the mass balance concept used along the supply chain according to ISCC requirements.

Pregis has received an ISCC PLUS certification (mass balance basis) for its air cushioning product line.

Pregis receives ISCC accreditation for air cushioning product line

Pregis, a leading protective packaging materials and automated systems manufacturer, has received an International Sustainability and Carbon Certification (ISCC PLUS) for air cushioning produced in its Hearlen, The Netherlands, facility.

March 11th, 2023 / company news / press release / sustainability / ISCC

ISCC PLUS is an EU-based, leading global certification system that supports the implementation of environmentally, socially and economically sustainable production in global supply chains. It covers all sustainable feedstocks, including agricultural and forestry biomass, biogenic wastes and residues, circular materials and renewables.

Pregis' void fill air cushioning, made on its MINI PACR® machines, is ISCC PLUS certified according to a mass balance approach. The "circular economy" certification means that the raw materials used to make the air cushioning come from other ISCC chain of custody members and are traceable.

The products will be labelled with the ISCC PLUS logo and have a minimum share of 50% equivalence from a renewable source.
Elopak is using ISCC PLUS certified PE aiming to reduce the use of fossil-based materials and minimize CO$_2$ emissions.
NatureWorks announced that 100% of their feedstock for biopolymers and performance chemicals will be ISCC PLUS certified by 2020.
Outlook: What’s next at ISCC PLUS?

- **Green Deal** (circular economy action plan, legislative waste reform, regulatory framework for recyclable packaging, …)
- Recycled Carbon Fuels (RCFs)
- Renewable Fuels of Non-Biological Origin (RFNBOs)
- Support sustainable value chains and differentiation based on circularity and sustainability
- Further support of stakeholder initiatives
- Find recognition with authorities (e.g. recycling targets in UK)
- Developing marketing guidance (logos/claims)
- Continue to be a reliable partner supporting the circular economy and bioeconomy in a multi-stakeholder approach
Many thanks for your attention!

Dr Jan Henke, ISCCGmbH
Hohenzollernring 72, 50672 Cologne, Germany
Email: henke@iscc-system.org