ISCC as Solution Provider for Sustainable Supply Chains

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Voluntary and mandatory sustainability requirements in different markets can be addressed with ISCC EU and ISCC PLUS.
All kinds of agricultural and forestry feedstocks can be certified under ISCC

- Soy
- Canola
- Palm
- Sunflower
- Cereals
- Corn
- Sugarcane
- Sugarbeet
- Wood
- Cotton
- Shea Nuts
- Camelina
ISCC is also a leading certification system for waste and residues as well as non-bio feedstocks

<table>
<thead>
<tr>
<th>Waste and processing residues</th>
<th>Renewable non-bio feedstocks</th>
<th>Forestry / agricultural crop residue</th>
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<tbody>
<tr>
<td>UCO</td>
<td>Power-to-Gas</td>
<td>Forestry residue</td>
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<tr>
<td>Landfill gas</td>
<td>Power-to-Liquid</td>
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<td>Tall oil</td>
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<td>End-of-life tires</td>
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<td>Municipal solid waste</td>
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<td>Crude glycerine</td>
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<td>CO2</td>
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<td>Husks</td>
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<tr>
<td>Straw</td>
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ISCC principles – a balanced set of ecological and social criteria

| Principle 1: Protection of biodiverse and carbon rich areas |
| Principle 2: Good Agricultural Practice |
| 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 |

Agricultural feedstock | Agricultural crop residues | Forestry feedstocks | Wastes/processing residues | Renewable non-bio feedstocks

Traceability, Chain of Custody and GHG emission calculation along the supply chain
Full traceability along the supply chain
ISCC is used in more than 100 countries
Currently, nearly 3,400 companies have valid ISCC certificates

The 20,000\textsuperscript{th} ISCC certificate was issued in December 2018

3,380+ valid ISCC certificates*

+ 6% ISCC certificates*

+ 24% ISCC PLUS certificates*

+ 6% ISCC EU certificates*

* Numbers as of 1 February 2019. Development in comparison to February 2018
In Latin America, Argentina, Colombia and Guatemala are the countries with most ISCC certificates

Valid certificates by region

- EU (65%)
- Rest of Europe (5%)
- Latin America (4%)
- Asia (22%)
- North America (3%)
- Australia (0%)
- Africa (1%)

Top ten countries in Latin America

- Argentina (22%)
- Colombia (19%)
- Guatemala (18%)
- Honduras (14%)
- Uruguay (7%)
- Costa Rica (4%)
- Chile (4%)
- Brazil (6%)
- Paraguay (4%)
- Peru (2%)

*Numbers as of 1 February 2019
Examples of certified companies in Latin America
ISCC is a one stop shop for all crops and markets, and is compliant with many important platforms and industry standards.
ISCC is recognized by the EU since 2011. ISCC is also recognized by other Governments for the sustainability verification of biofuels

- The recognition of ISCC PLUS was announced by the Japanese Ministry of Trade and Industry (METI) in the framework of presenting the new biofuel mandate for Japan for 2018 – 2022
- ISCC PLUS is recognised since April 2018 to verify compliance with sustainability requirements for biofuels in the Japanese biofuels market
- Japanese biofuels market now also open for U.S. corn-based ethanol (previously, only Brazilian sugarcane-based ethanol allowed)
- ISCC Guidance Document for Deliveries of Biofuels to Japan available

- ISCC already recognized by Queensland / Australia since 2017
- Recognized by the Netherlands for the proof of Non-Modification of waste and processing residues (Annex IX feedstock) retroactive since 1 January 2019
- Increasing interest by Governments implementing clean fuel standards / low carbon standards in RED methodology and verification mechanisms
ISCC is active in the aviation sector to support sustainable alternative jet fuels

- ISCC is active member of the EU delegation to ICAO / CORSIA AFTF working group. CORSIA is the Carbon Offsetting and Reduction Scheme for International Aviation

- ISCC is involved in a scientific project analysing reporting requirements in supply chains of multi-blends of fossil and alternative jet fuels

- ISCC has been recognized by the Aviation Initiative for Renewable Energy in Germany (aireg) since 2014

- IATA (International Air Transport Association) joined the ISCC Association in November 2018

- Lufthansa has already used ISCC for test flights with alternative jet fuels
Strong increase in ISCC PLUS certification and on-product claims
Example SAI compliance: ISCC certified companies fulfill sustainability requirements of important customers in the food sector

SAI Platform members (active and affiliate)
Major companies in chemical and packaging industries use ISCC PLUS for bio-based materials and circular economy
ISCC provides solutions for credible certification for a sustainable bioeconomy and circular economy

Examples

Biobased economy

Circular economy

Source: Adopted, European Bioplastics, Nijhuis Industries
ISCC has developed a certification approach for independent smallholders

- ISCC active in the smallholder sector already for many years and has developed an approach for Independent Smallholder (ISH) certification
- Approach enables ISH to increase their productivity and income without further pressure on land to increase agricultural activities
- Specific training for ISH approach available
  - Online training available auditors and master trainers
  - Target group: Company representatives, certification bodies/auditors, NGO’s, research bodies/authorities
- Smallholder option in draft high ILUC Delegated Act
ISCC uses GRAS to facilitate risk assessment and to verify land use change (compliance with ISCC Principle 1) in its integrity program.

www.gras-system.org
GRAS conducts accurate Land Use Change assessments to verify deforestation-free supply chains by using satellite data.
ISCC is partner of the Food Security Standard (FSS) Project by WWF, Welthungerhilfe and Center for Development Research

- **Human Right to Adequate Food** as a new building block for sustainability standards
- Practicable and measurable food security criteria
- **Pilot tests** and feedback to the project, the developed standard and checklist by ISCC, its system users and auditors

www.iscc-system.org/about/food-security/
ISCC puts major emphasis on global and regional stakeholder dialogue for the continuous development and enhancement of the system.
Stakeholders are represented in the ISCC association which is steering the system operations. Currently the association has 115 members.
ISCC is very grateful for the support of the sponsors of this event
Many thanks for your attention!

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