

## Latest Developments of ISCC

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Dr Norbert Schmitz, Managing Director, ISCC System GmbH  
10<sup>th</sup> ISCC Global Sustainability Conference, Brussels, 12 February 2020



*Happy 10<sup>th</sup>  
Anniversary*




It all started in Berlin  
in January 2010 ...



# ...where the inaugural meeting of the ISCC association took place



  
**Protokoll über die Gründungsversammlung  
und die 1. Mitgliederversammlung des  
International Sustainability and Carbon Certification (ISCC) Vereins**  
  
Berlin, 26. Januar 2010  
  
**I. Protokoll über die Gründungsversammlung des International  
Sustainability and Carbon Certification (ISCC) Vereins**  
  
Heute, am 26. Januar 2010, fanden sich im **Magnus-Haus Berlin, Am  
Kupfergraben 7, in Berlin** von 10.15 Uhr bis 13.30 auf Einladung von Dr. Norbert  
Schmitz, ISCC, die in den beigefügten Anwesenheitslisten genannten Damen und  
Herren zur Beschlussfassung über die Gründung des **International Sustainability  
and Carbon Certification (ISCC) Vereins** zusammen.



# 20 company and individual members founded ISCC – most of them are still part of the association

ABENGOA



BUNGE



IOI Loders Croklaan



[OBC]



## ISCC e.V. Founding Members

Organisation
IOI Group Loders Croklaan
Planta Oleum AG
Kraul & Wilkening u. Stelling KG-GmbH & Co
Oberbürgermeister Nova Mu-tum Brasilien
Mannheim Biofuel GmbH
Bunge Deutschland GmbH
Privat
WWF
OVID
ADM International
Alfred C. Toepfer International GmbH
Abengoa Bioenergy Trading Europe
Genius GmbH- Wissenschaft und Kommunikation
Privat
Oliver Bremer Consult GmbH
Cargill
Mission New Energy LTD
GLOBALGAP c/o Foodplus GmbH
Institut für Weltwirtschaft
ED&F Man Biofuels



# Today, the ISCC association counts 133 members. 21 new members joined in 2019



\*As of 03 February 2020

# Selected highlights in ten years of ISCC history

- Founding of **ISCC association** in Berlin
- Recognition by BLE for German sustainability regulations
- **First ISCC certificate issued for Alco Biofuels (BEL)**

- Start developing a system to verify land use change with remote sensing data (**GRAS**)
- First **ISCC PLUS** certification for **Nature Works (USA)**

- 1,000 participants at **ISCC trainings**
- ISCC PLUS certified **beverage cartons** enter the market. Milk cartons with **ISCC logo on pack**

- **Aviation:** Start of ISCC participation in the CORSIA process for sustainable alternative jet fuels
- Launch of **APS**
- **Re-recognition** by EC

- Establishment **Working Group W/R** & advanced low carbon fuels
- **100th member** in the ISCC e.V.
- **Recognition** by **Japanese government** for biofuels

- Preparation for re-recognition under **RED II**
- Establishment of **new TC: Circular & Bio Economy**



2010      2011      2012      2013      2014      2015      2016      2017      2018      2019      2020

- Development started in 2006 with support of **BMEL /FNR**

- EU Energy Commissioner Günther Oettinger announces **recognition of ISCC for biofuels for the EU** as one of the first voluntary schemes

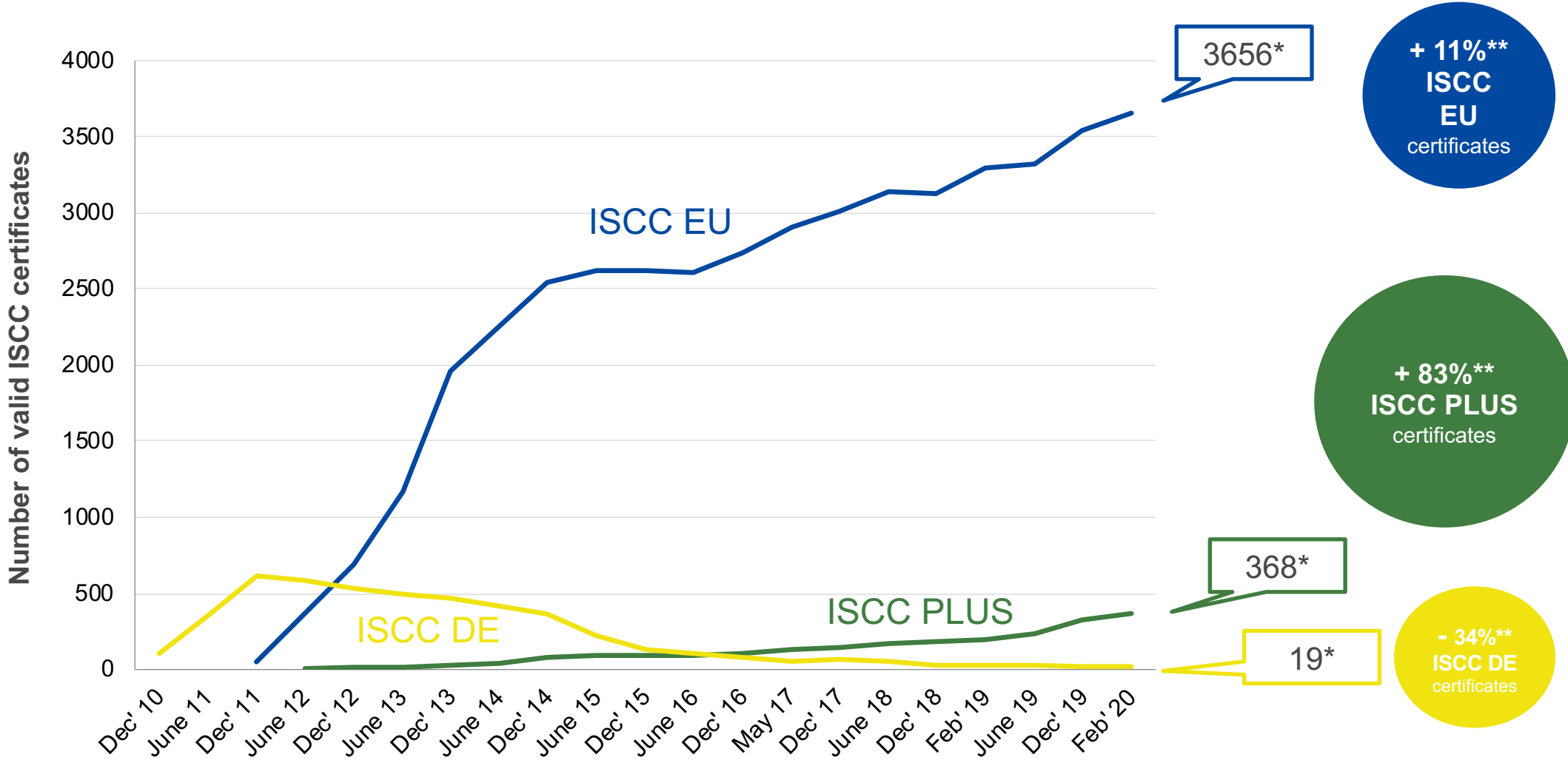
- Establishment of **Regional Stakeholder Committee Southeast Asia**
- Good ranking for ISCC in various **benchmark** studies (e.g. WWF)

- ISCC certified **sugar** for the Bolivian food market with **Aguaí. ISCC logo on pack**
- Training program extension (**GHG, land use change**)

- **Queensland (AUS):** Recognition as certification standard for biofuels
- Improved **transparency:** Implementation of the **Public Summary Audit Report**

- Recognition for Dutch legal sustainability requirements for **solid biomass**
- First certification of **circular polymers** with **SABIC**
- Publication of first **ISCC Impact Report**

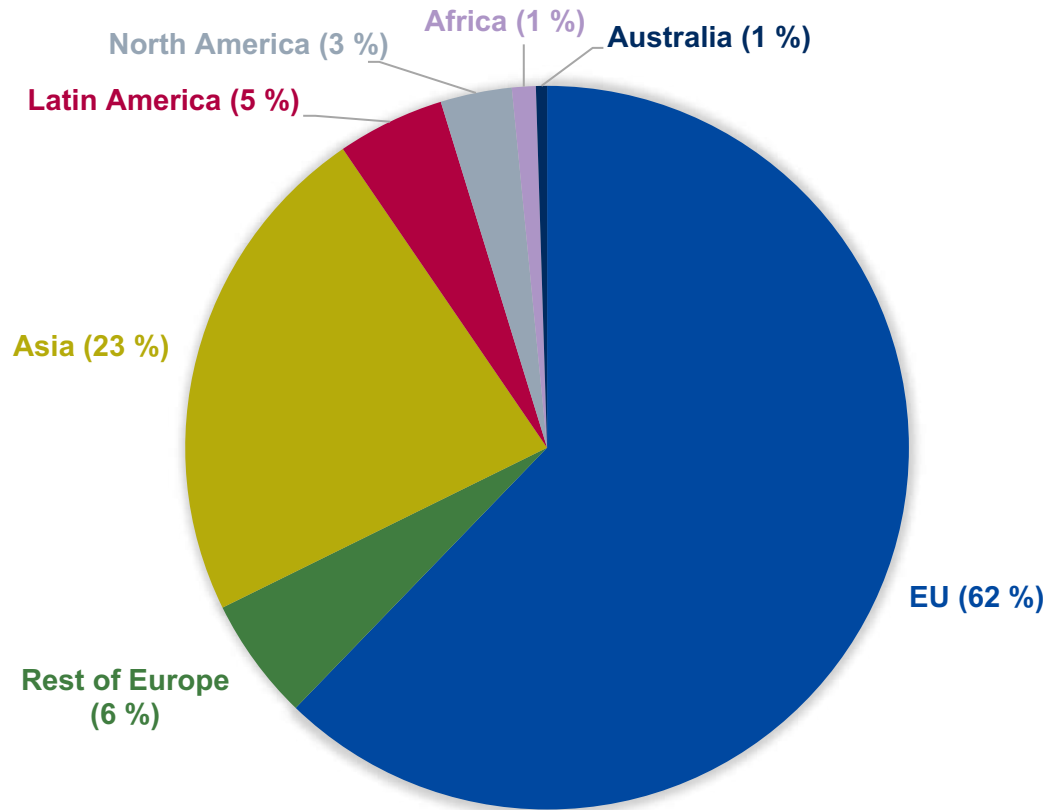
# A success story: Today the ISCC scheme has more than 3,500 System Users



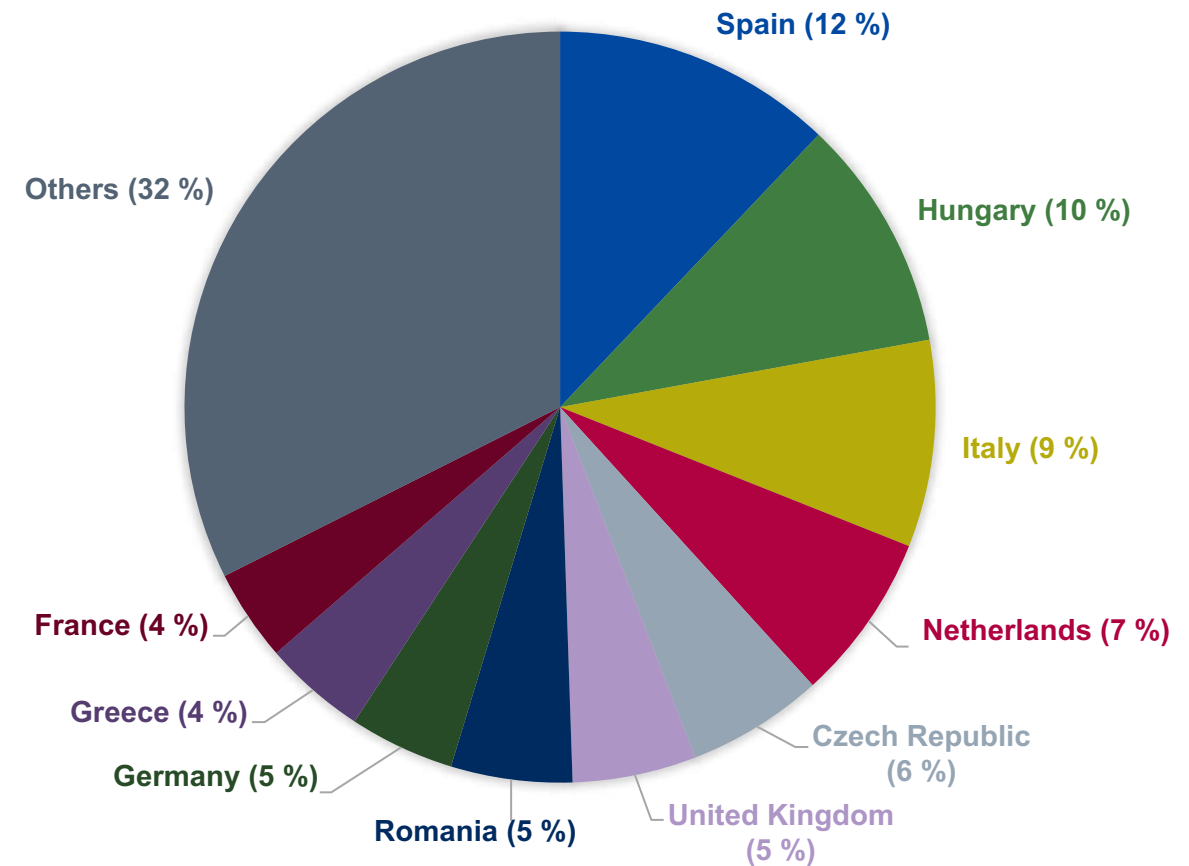
\* Numbers as of February 2020  
 \*\* In comparison to February 2019

# Nearly two thirds of all certificate holders are based in the EU. Spain is the most important country for ISCC in the EU

Valid certificates by region\*



Top ten countries in the EU-27 (+UK)\*



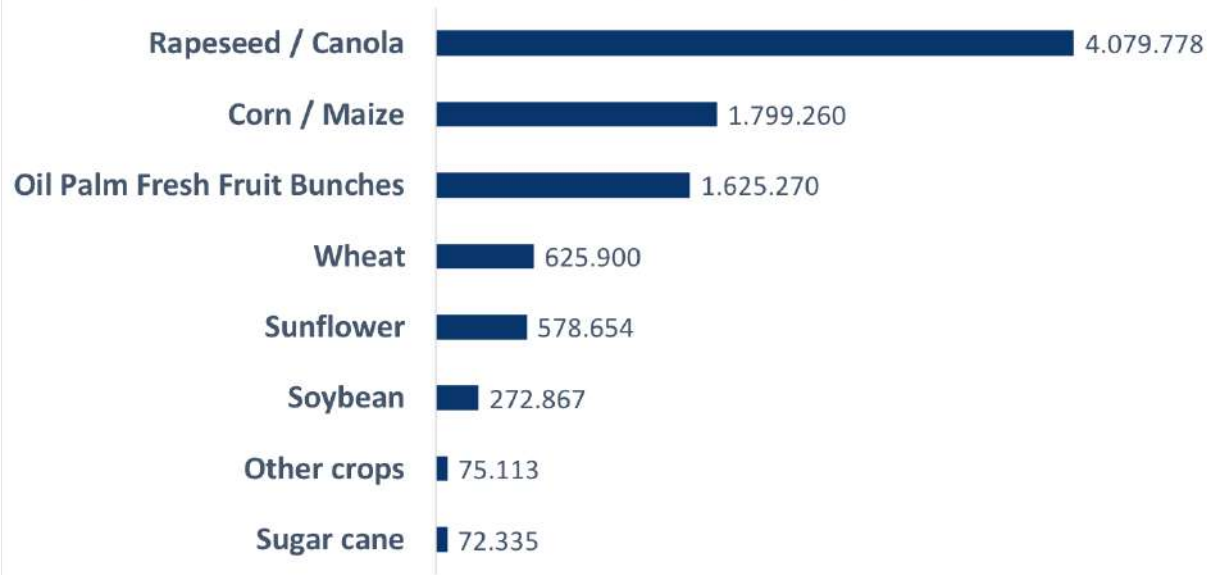
\* Numbers as of February 2020



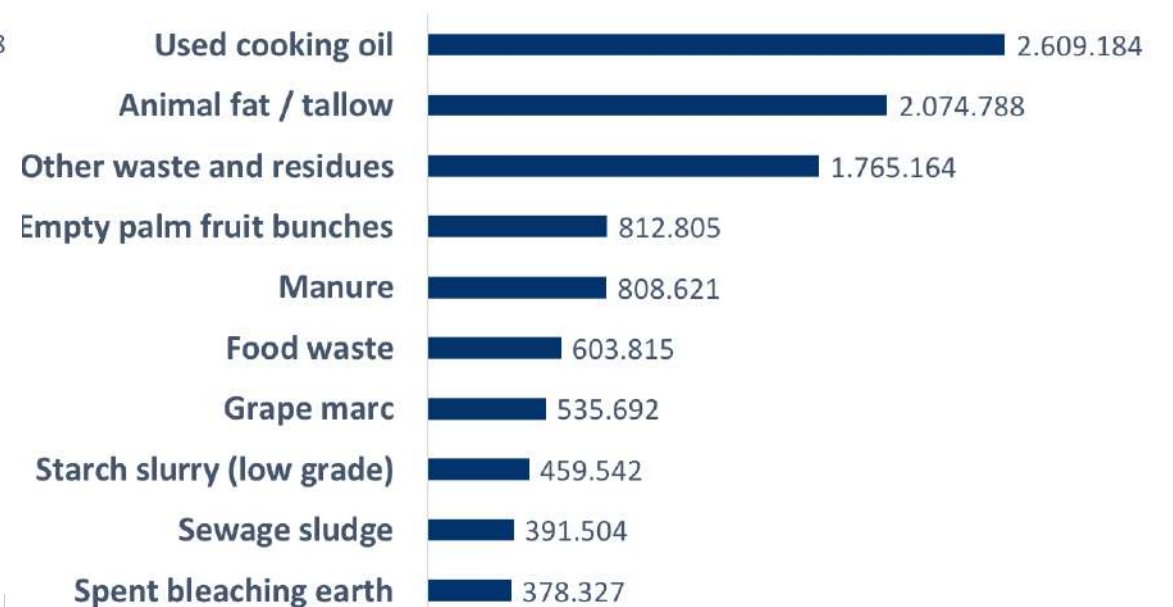
# Canola is the crop with the largest certified cultivation area and used cooking oil and animal fat are the most important wastes / residues



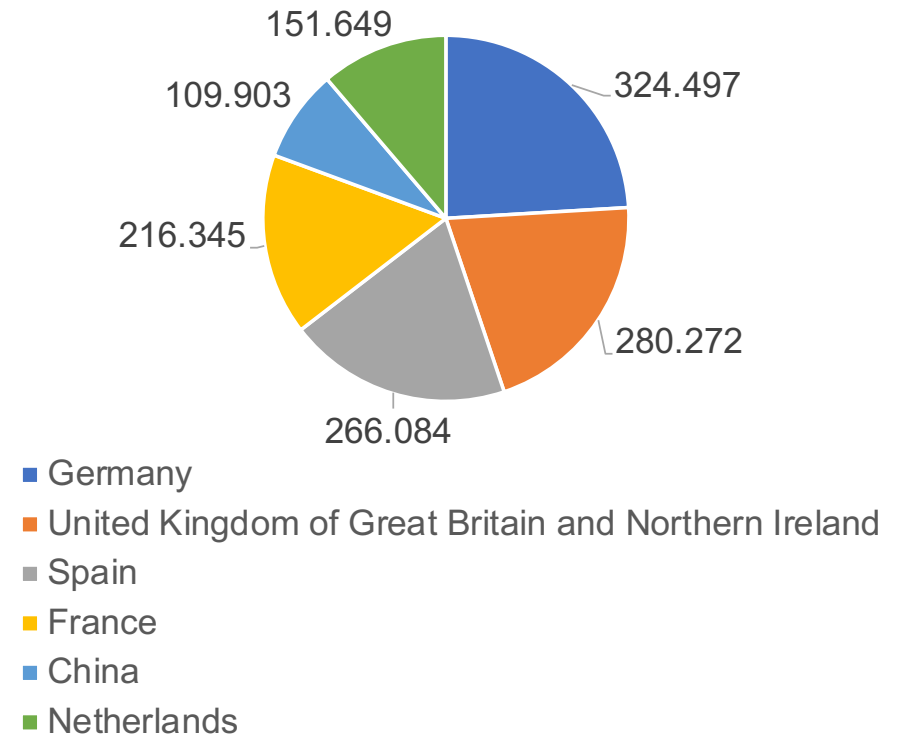
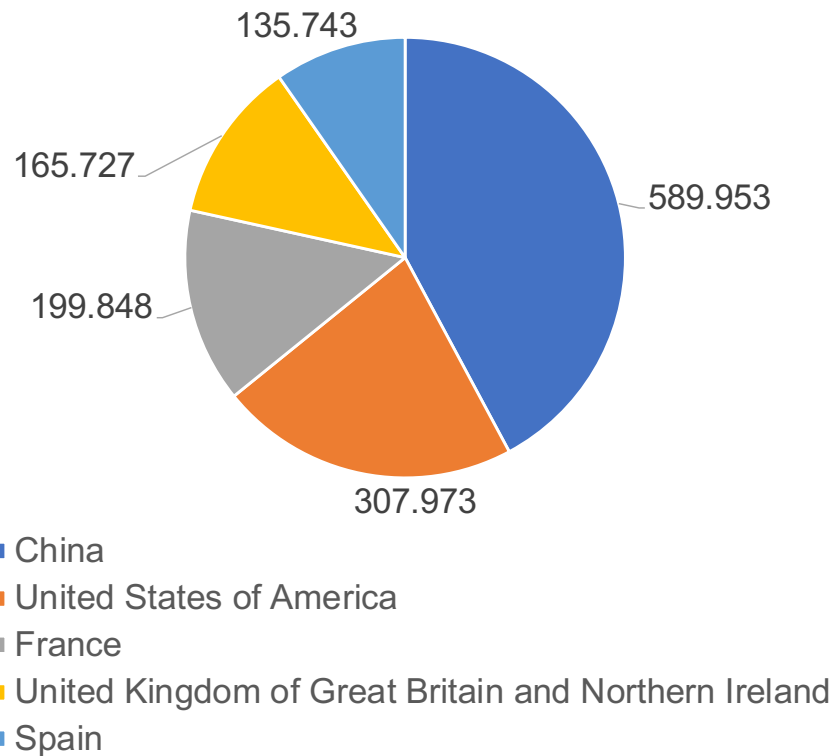
**Crops - Certified Cultivation Area (in hectare)**



**Waste and Residues (Amount in MT)**



China and USA are the most important countries of origin for UCO.  
 Germany, UK and Spain are the leading countries of origin for animal fat







# Sustainable aviation fuels are taking off. Major fuel producers and important market players are ISCC members and active system users

- Since January 2020, jet fuel suppliers in **Norway** must blend 0.5% of biofuel in all their aviation fuel
- **Swedavia** has adopted an environmental target that 5% of all jet fuel used at Swedavia airports shall be renewable by 2025
- **Finland** targets a share of biofuels in aviation at 30% through a blending obligation in 2035
- **CORSIA pilot phase starts in 2021**
  - Airlines can claim emissions reductions when using **Sustainable Aviation Fuels (SAF)**
  - SAF must be **certified against CORSIA requirements** by an ICAO-recognized sustainability certification scheme
  - Requirements: SAF achieves at least **10% emissions reduction**, and SAF is not obtained from agricultural feedstock deriving from **high carbon stock land** converted after 1 January 2008
  - ISCC is an active member of the CORSIA **CAEP Fuels Task**

CORSIA



ICAO



Amstelveen, 10 December 2019

KLM and Neste are taking another step forward in sustainable aviation fuel for flights from Schiphol

Summary

KLM has purchased sustainable aviation fuel (SAF) for flights out of Amsterdam Airport Schiphol. The sustainable fuel is produced by Neste from used cooking oil and will reduce CO2 emissions by up to 80 % compared to fossil kerosene. This purchase is the next step in the use of sustainable fuel as it is the first time the fuel will be supplied using the existing infrastructure at Schiphol. Furthermore, Neste is joining KLM's Corporate BioFuel Programme. In doing so, Neste will reduce the CO2 emissions of its own business travel on KLM flights by 100%.

*„The sustainability of the chain is ensured through certification by the International Sustainability and Carbon Certification Plus (...)“*



Source: <https://news.klm.com/klm-and-neste-are-taking-another-step-forward-in-sustainable-aircraft-fuel-for-flights-from-schiphol/>

\* based on CORSIA high case scenario: 2.5 billion tons of CO<sub>2</sub> x 40 \$/ton CO<sub>2</sub>-eq



# In 2019, certified rum from Guatemala entered global markets with ISCC on product logo

**BOTRAN**  
RON DE GUATEMALA

PRIMERA CADENA PRODUCTIVA SUSTENTABLE DE RON EN EL MUNDO

ISCC  
www.iscc-system.org  
www.iscc-system.org

BOTRAN 8  
BOTRAN 12  
BOTRAN 15  
BOTRAN 18



**BOTRAN**  
RON DE GUATEMALA

**ISCC**  
www.iscc-system.org  
MIX supporting certified sustainable material



Press Release

## The Value Chain of the Ron de Guatemala Denomination of Origin obtained its first ISCC PLUS certification for World-class rums

Rones de Guatemala will be among the first rums to hold a sustainability seal of this level.

**Guatemala, October 2, 2019.** The value chain of Ron de Guatemala Denomination of Origin was recently officially awarded the ISCC PLUS Certification to Sustainability, which covers plantations, mill, distillery, ageing facilities, bottling and experience centers. This accomplishment brought to Guatemala Norbert Schmitz, Director of the ISCC System GmbH.

The international Sustainability and Carbon Certification (ISCC) is a leading global certification system which provides solutions to address sustainability requirements for all raw materials and markets.

This certification guarantees that the production chain meets all established standards and evidence requirements regarding biodiversity, the environment and human rights:

- **Plantations:** We have approximately 8,000 hectares of sugar cane plantations. The area with a unique soil description (inceptisols and vertisols) found only in 2% of the world, covers 3,200 hectares. This is the area legally recognized as part of the Protected Denomination of Origin in view of the unique characteristics that it contributes to sugar cane.
- **Mill:** The Tuluá Mill is in the municipality called San Andrés, Villa Seca in the department of Retalhuleu. It engages in the plantation, harvesting, crushing and milling of sugar cane to produce virgin honey, the raw material used to make rum.
- **Distillery:** Destiladora de Alcoholes y Rones, S.A. (DARSA) produces raw materials with distinctive characteristics for the brands that we produce, including various alcohols that are exported throughout the world, among them, fines, neutrals, bases for other beverages and for specialty rums.
- **Ageing Centers:** These conduct the ageing process in white oak casks at over 2,300 meters above sea level. Cold climate favors a slow ageing process. There is art in the preparation of the white oak barrels that includes the wood stave assembly and internal charring.
- **Bottling:** Our bottling plants bottle the finest aged rums and spirits that are globally distributed and recognized for their excellent quality, which is assured through strict production process controls.

The process to obtain the certification started in 2011 with the submittal, to ISCC, of audits for the Tuluá mill as the producer of virgin honey, and for Destiladora de Alcoholes y Rones, S.A. (DARSA), as the producer of raw materials to make rums. The process is Denomination of Origin registered, and is recognized in more than 29 countries of the world as "Ron de Guatemala". The certification for the process, bottling and ageing began at Casa Botrán in 2017, while for Añeños de Altura S.A. it began in 2018. With the full chain certified, ISCC PLUS ensued, which gives the rums the right to use the logo.

Carlos Cabrera, Quality Manager, underscores the importance of the logo "This certification is optimal for the marketing of Ron de Guatemala internationally as it opens up markets and gives us access to very demanding consumers in terms of sustainability and who seek environmentally-friendly products".

Mr. Cabrera also underscores the importance of improved labor conditions for the people on the ground. Sustainability efforts involve the creation of safe workplaces, continuous



Barilla is ISCC certified since 2018. Last year they brought the first ISCC certified cookies into the market



## Abbiamo stretto un'alleanza con la Natura

Con il progetto **La Carta del Mulino** - per una farina da agricoltura sostenibile, facciamo un altro passo avanti per portare a tutti quella gioia che solo il cibo ben fatto può dare.

Per il nostro pianeta

Per la filiera

Per chi ama i Buongrano



Sostenibilità certificata

La prima regola della «Carta del Mulino» prevede l'ottenimento della certificazione ISCC PLUS\*. A questa regola ne abbiamo aggiunte altre 9, scritte in collaborazione con Università e Organizzazioni non governative.

Più controllo

Trasparenza

The first rule of „La Carta del Mulino“ – a project that advocates the use of sustainable flour – is the ISCC PLUS Certification.

ma ISCC PLUS\* è una versione applicabile ai prodotti alimentari dello standard di certificazione ISCC. Ha natura volontaria e permette alle aziende della filiera di monitorare e verificare la sostenibilità dei propri prodotti e/o propri ingredienti attraverso il controllo di processi, sostenibilità e di tracciabilità dell'intero sistema. <https://www.iscc-system.org/certification-scopes/iscc-for-food/>

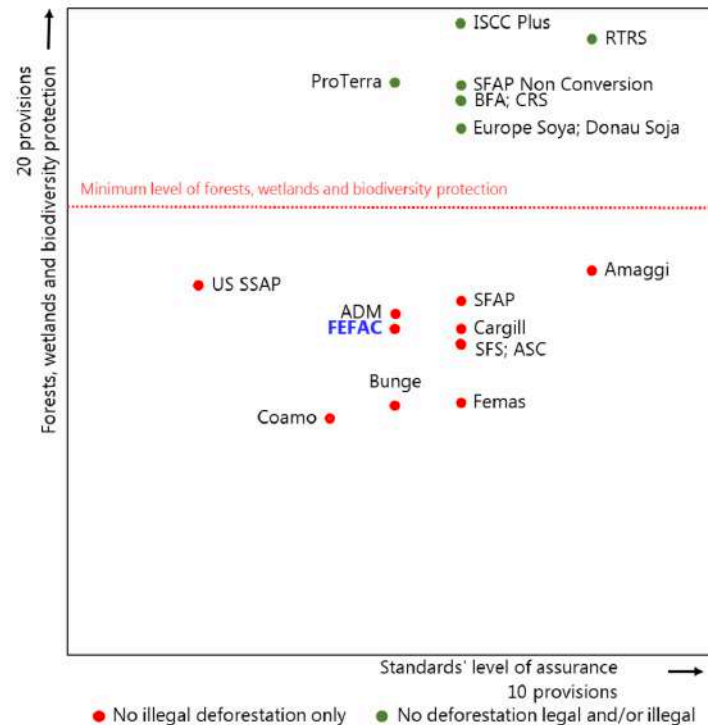
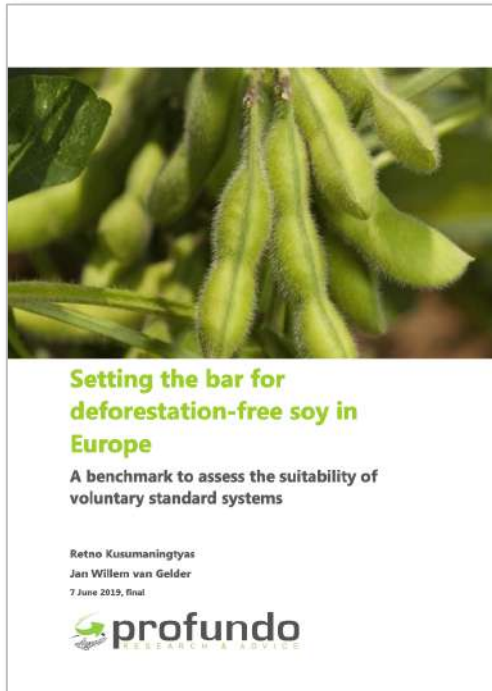
## I nostri partner





# ISCC rated high in IUCN benchmark for soy certification for feed markets

- IUCN NL benchmark on certification schemes complying with **FEFAC soy procurement guidelines**
- Special focus on the **prevention of deforestation** in connection with European soybean production and soybean imports
- **ISCC was rated very high** in the areas of protection against deforestation and conversion of wetlands and protection of areas with high conservation value



## Examples of ISCC certified feed producers:



Link to the report:

[https://www.iucn.nl/files/publicaties/setting\\_the\\_bar\\_for\\_deforestation\\_free\\_soy\\_190606\\_final.pdf](https://www.iucn.nl/files/publicaties/setting_the_bar_for_deforestation_free_soy_190606_final.pdf)

# ISCC PLUS solutions for the bio and circular economy have grown significantly in 2019, a Technical Committee will be established in 2020

**Bio economy**




Examples











**Circular economy**


















# ISCC places special attention on key areas to further strengthen the reliability and credibility of the scheme

## Waste/residues supply chains

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- Correct declaration of feedstock
- No intentional production of w/r
- Mass balance (no manipulation, no hiding of transactions, correct delivery documents etc.)
- Re-certification

## Greenhouse gas calculations

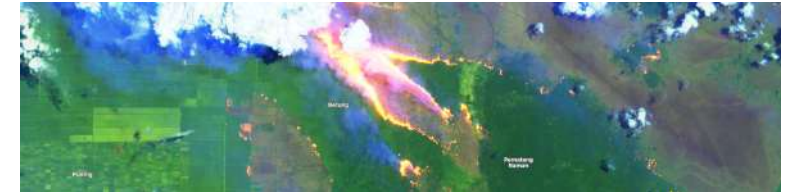
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- Correct forwarding of GHG values on sustainability declarations and mass balance
- Applicability of default values
- Clear calculations using appropriate emission factors and allocation to main and co-products

## Land-use change

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- Time span to cut-off date is growing. Increasing number of non-compliant agricultural operations
- Land category determination not always straight forward (scrubland, bushland)
- Availability of data (remote-sensing, national maps, smallholder documents)



## The ISCC Technical Committee “Waste, Residues and Advanced Low Carbon Fuels” is elaborating on practical measures for high risk supply chains since 2018

- **Important platform for stakeholders** to engage in a dialogue to tackle challenges and opportunities
- **Objectives** of the Committee
  - Discussion of certification of waste and residue-based supply chains
  - Elaboration on advanced low carbon fuels and certification requirements
  - Ensure integrity of supply chains and the certification of feedstocks with a potentially higher risk
  - Particular focus on Europe, Asia and North America
- **Working Group:** Elaboration of **concrete and practical measures** on how to further strengthen the ISCC certification process of waste and residues



# Additional measures for the verification of high-risk supply chains

## Implemented

- Automated **notification about withdrawn certificates** and suspended operators
- **Whistle-blower section** on the ISCC website
- Auditors shall **verify the existence of a sample of all points of origin** supplying waste/residues to a collecting point
- **Mandatory surveillance audits** for new ISCC system users in high risk supply chains
- **Mass balances** shall be provided to the auditor to be verified prior to the audit
- **Individual GHG calculations** shall be submitted to ISCC
- New ISCC system users to submit an **excerpt from the commercial register** (indicating the company directors)

## In progress

- **Update of ISCC Terms of Use:**
  - Giving further rights to auditors to double-check and verify sustainability claims with (upstream) suppliers and (downstream) recipients
  - Fines for major non-compliance
  - Publishing the reason for suspensions
  - Include measures already implemented
- Mandatory **Waste & Residues Online Training** for auditors to be enforced in Q1 2020
- Promote **scheme hopping restrictions** between different schemes
- Update of **UCO self-declaration**
- **Trace Your Claim (TYC):** Pilot project on database solution to strengthen supply chain traceability piloting

# TRACE YOUR CLAIM

SECURITY FOR YOUR SUSTAINABILITY CLAIMS

## Pilot project on traceability database Trace Your Claim – TYC

- Start of pilot 2019 on **30 October 2019**
- **6 waste-based supply chains** participating in the pilot
- **Feedback was collected** until **end of January 2020**
- **Preliminary conclusions from the pilot:**
  - TYC meets the core functions of a traceability database (e.g. secure data transfer, reduction of fraud risk) and efforts shall be made to further develop TYC
  - Important functions still to be developed: Interconnection with national databases like Nabisy, including GHG data
- **Next steps:** Discussion of feedback with pilot participants and other stakeholders



# The ISCC Integrity Programme is an important pillar of our quality policy

- Overall 66 on-site Integrity Assessments in 2019
- Withdrawal of 18 certificates
- Suspension from recertification of 20 system users for a period of 6-60 months
- Suspension of 4 auditors
- Three “yellow cards” have been issued to CBs by ISCC
- Based on the analysis, ISCC system documents, audit procedures and other templates are **continuously improved** and updated

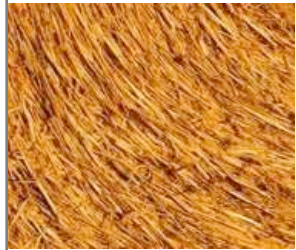


# The way forward under the RED II

- ISCC EU needs to go for **re-recognition under the RED II**
- **New fuel categories**
- **Advanced biofuels**
- **Delegated acts on:**
  - Renewable fuels of non-biological origin and recycled carbon fuels (due in January 2021)
  - Co-processing (due in December 2021)
  - Update of Annex IX (first revision round in 2020)
  - Development of overall certification framework for low iLUC risk biofuels
- **Transposition of RED II into national law is due by 30 June 2021**
  - How to deal with a non-harmonized transposition by different MS (i.e. with respect to time and content)?
  - Transition periods (for schemes, operators, deliveries)?



# Many materials from Annex IX (part A) are already covered by ISCC





Materials Annex IX, Part A (selection)	No. of ISCC certificate holders
Biomass fraction of industrial waste not fit for use in the food or feed chain*	545
Palm oil mill effluent and empty palm fruit bunches	214
Crude glycerine	79
Animal manure and sewage sludge	69
Grape marc and wine lees	43
Tall oil and tall oil pitch	42
Biomass fraction of wastes and residues from forestry and forest-based industries	33
Biomass fraction of mixed municipal waste	23
Straw	19
Husks	5
Bagasse	2
Nut shells	1



*Many thanks for your support  
in the last 10 years –  
We are looking forward to  
continue our cooperation in  
the next decade!*



Follow us on   

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