



# Welcome and Latest Developments of ISCC

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ISCC Global Sustainability Conference, 24 February 2021

# Selected highlights from eleven years of ISCC history

- Foundation of the **ISCC association**
- 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**

- **Re-recognition by EC**
- **Aviation:** Start of ISCC participation in the CORSIA process for sustainable aviation fuels (SAF)
- **Launch of APS**

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

- **Aviation:** ISCC CORSIA certification system has been approved by ICAO for the certification of CORSIA-eligible fuels
- Establishment of **new TC: Circular Economy and Bioeconomy**



2010

2011

2012

2013

2014

2015

2016

2017

2018

2019

2020

2021

- 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**

- **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**

- ISCC re-recognition under **RED II** in progress (evaluation by COM ongoing)
- Establishment of **new TC: Sustainable Aviation Fuels**

The ISCC Global Sustainability Conference is an event of the ISCC association. Today, the association comprises 164 members



As of 19 February 2021

# 30 new ISCC members joined in 2020. The ISCC association grew by 23%



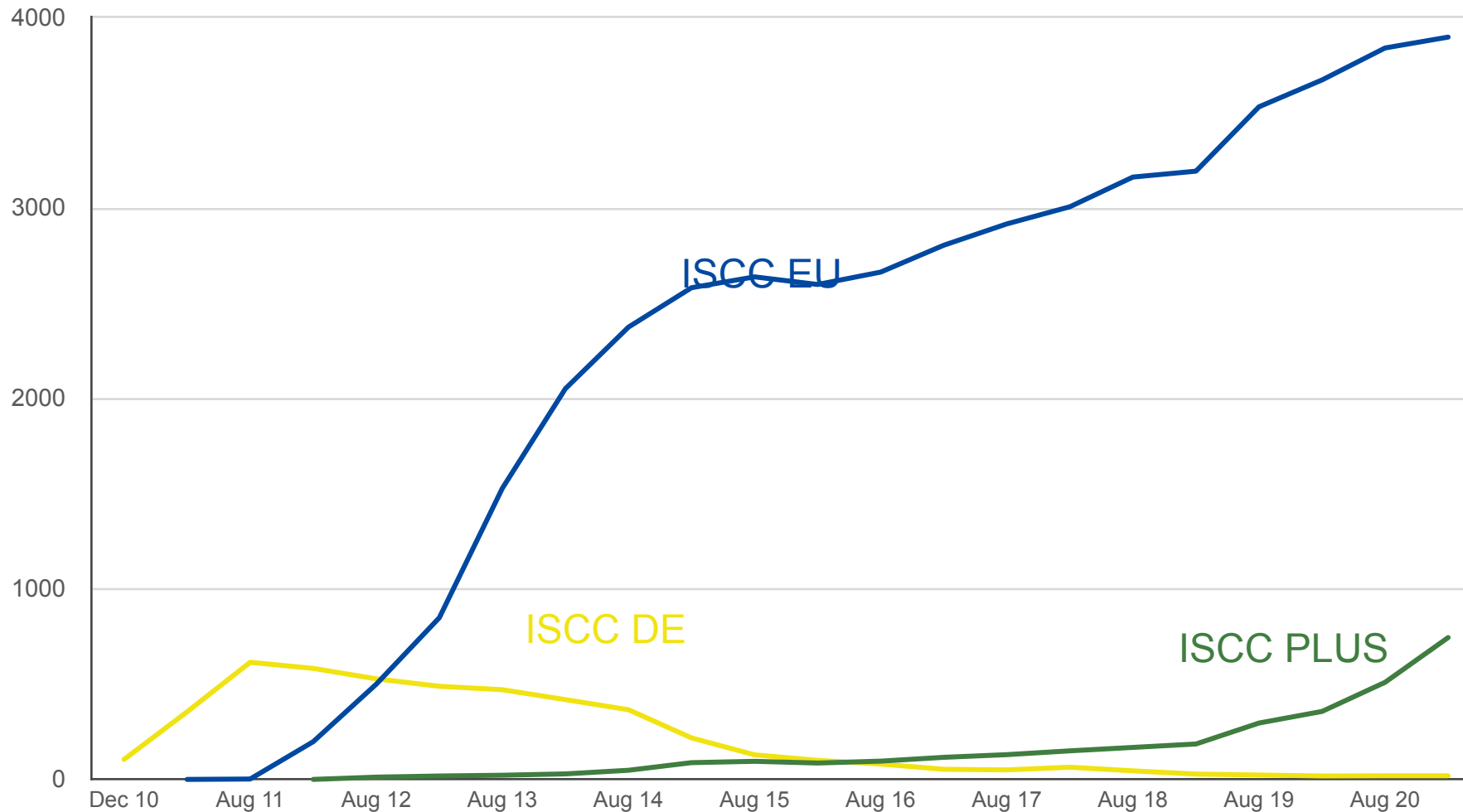
As of 19 February 2021

# In 2021, already six new members joined.



As of 19 February 2021

# Despite or due to the COVID-19 pandemic, sustainability remains key for many companies: more than 4,600 ISCC certificates are currently valid



3,898\*

**+ 6%\*\***  
ISCC EU  
certificates

745\*

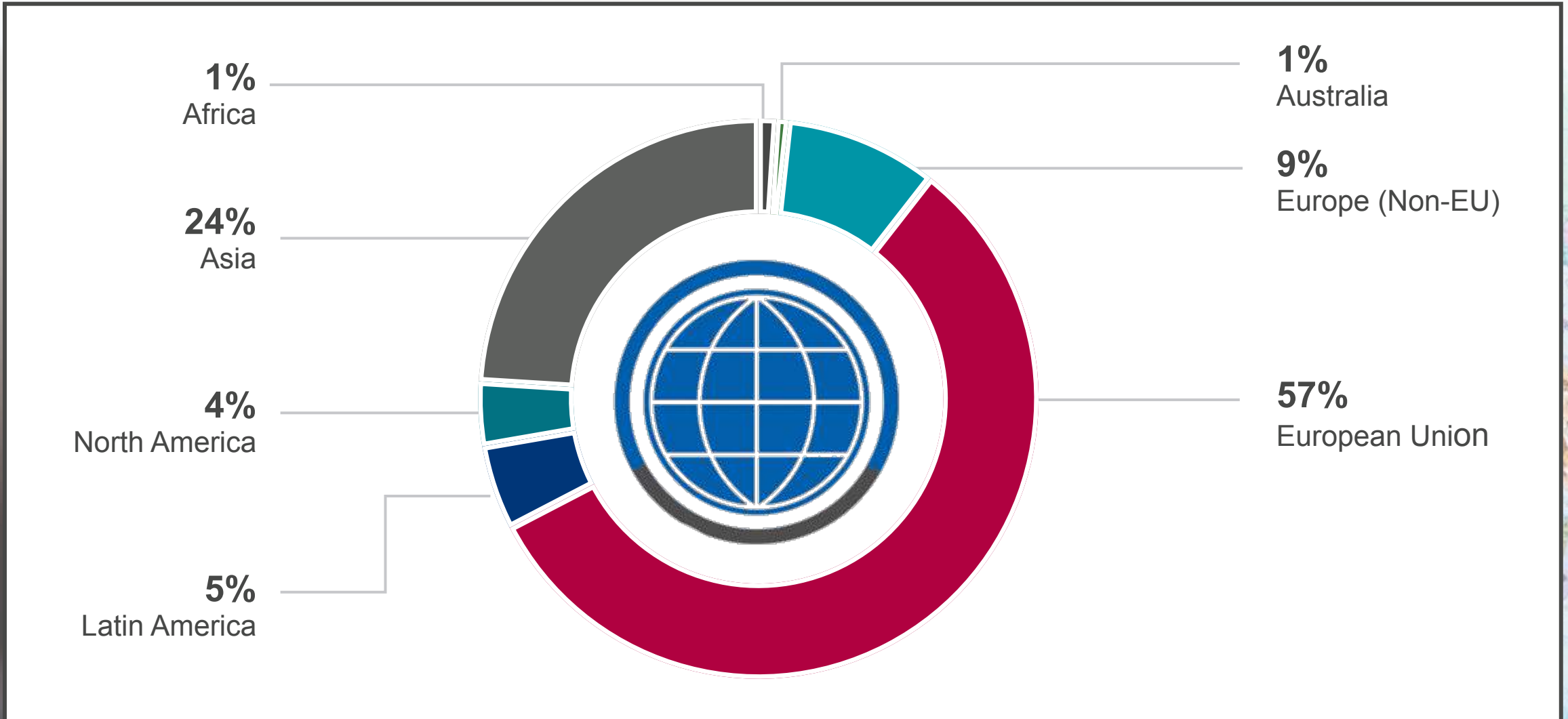
**+ 109%\*\***  
ISCC PLUS  
certificates

19\*

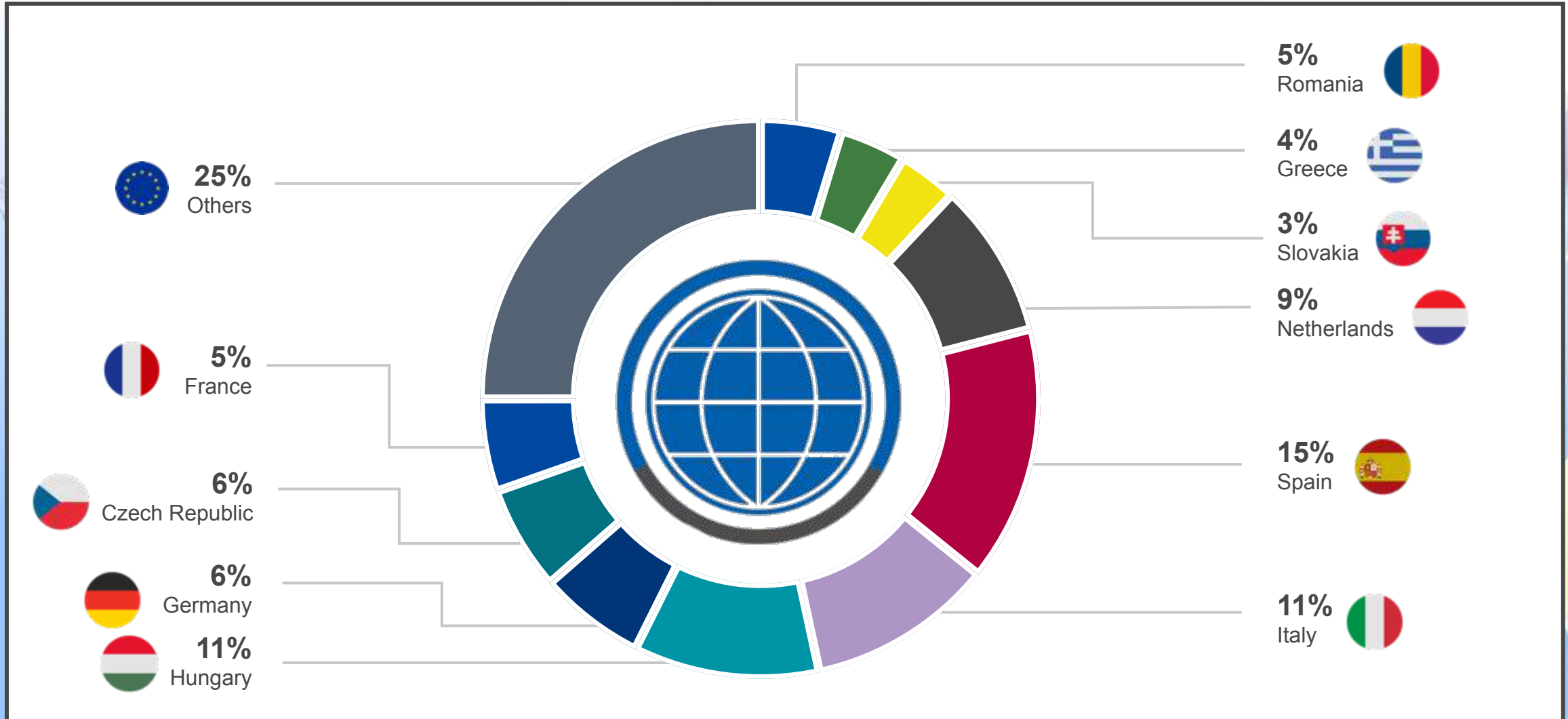
**+1%\*\***  
ISCC DE  
certificates

\* Numbers as of February 2021  
\*\* In comparison to February 2020

# Nearly three fifths of all certificate holders are based in the EU



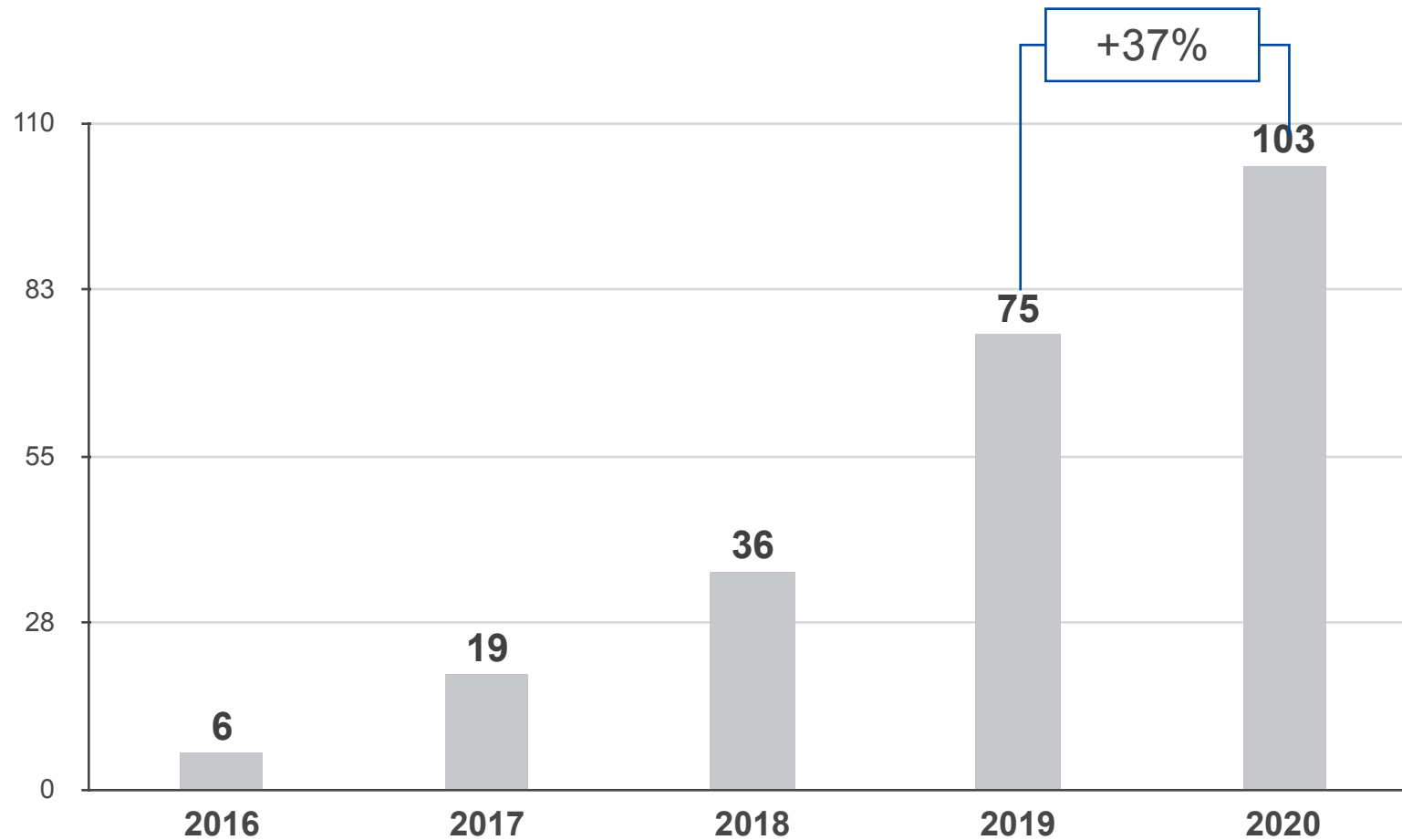
# Spain has the largest number of ISCC certificate holders in the EU





# Biomethane is a fast growing market in the ISCC system

ISCC certified biogas and biomethane producers



Examples



# The global pandemic had major implications on ISCC certification, ongoing operations, ISCC events and trainings

## ISCC Audits



- **On-site audits difficult or not possible:**
  - ISCC allows remote certification audits under strict conditions ensuring that ISCC system users can remain certified while maintaining a high level of assurance
  - **Biofuels in the EU:** The EC does not allow remote audits for new system users (initial audits) under any of the recognised voluntary schemes

## ISCC Events and Trainings



- **Virtual ISCC events and trainings**
  - ISCC decided to pivot from in-person to virtual trainings and events in spring 2020, ensuring the continued qualification of ISCC auditors and the exchange with ISCC stakeholders
  - **More than 700 participants** took part in virtual ISCC stakeholder meetings in 2020

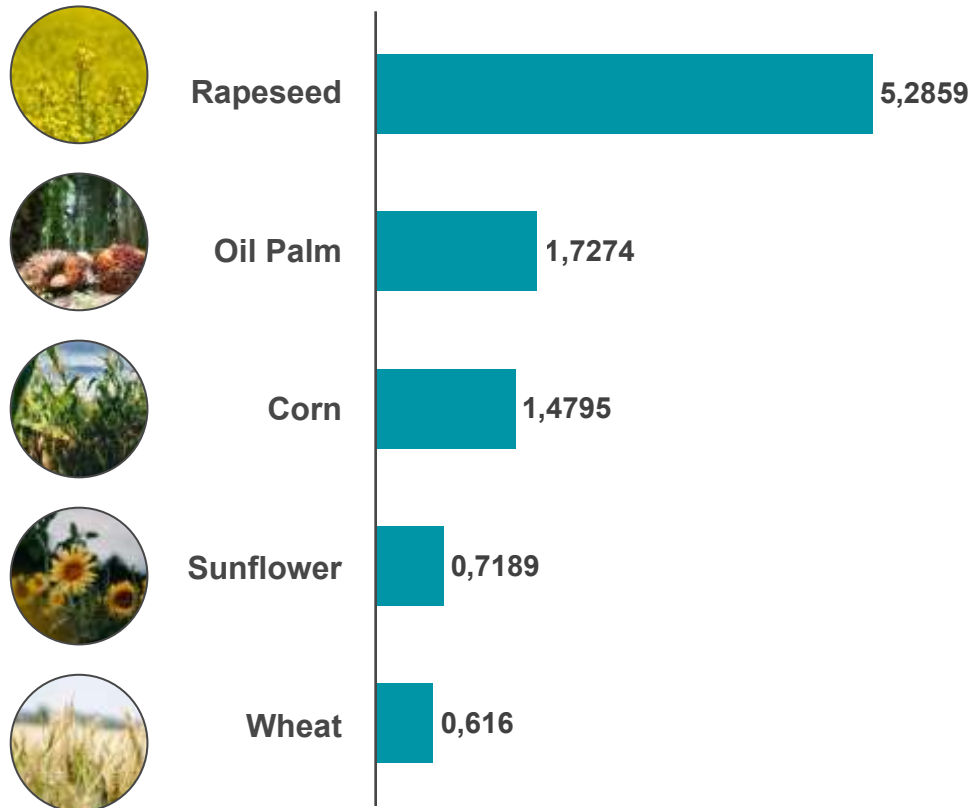
# ISCC submitted its application for re-recognition to the EU COM end of 2020.

## Major changes introduced with the REDII

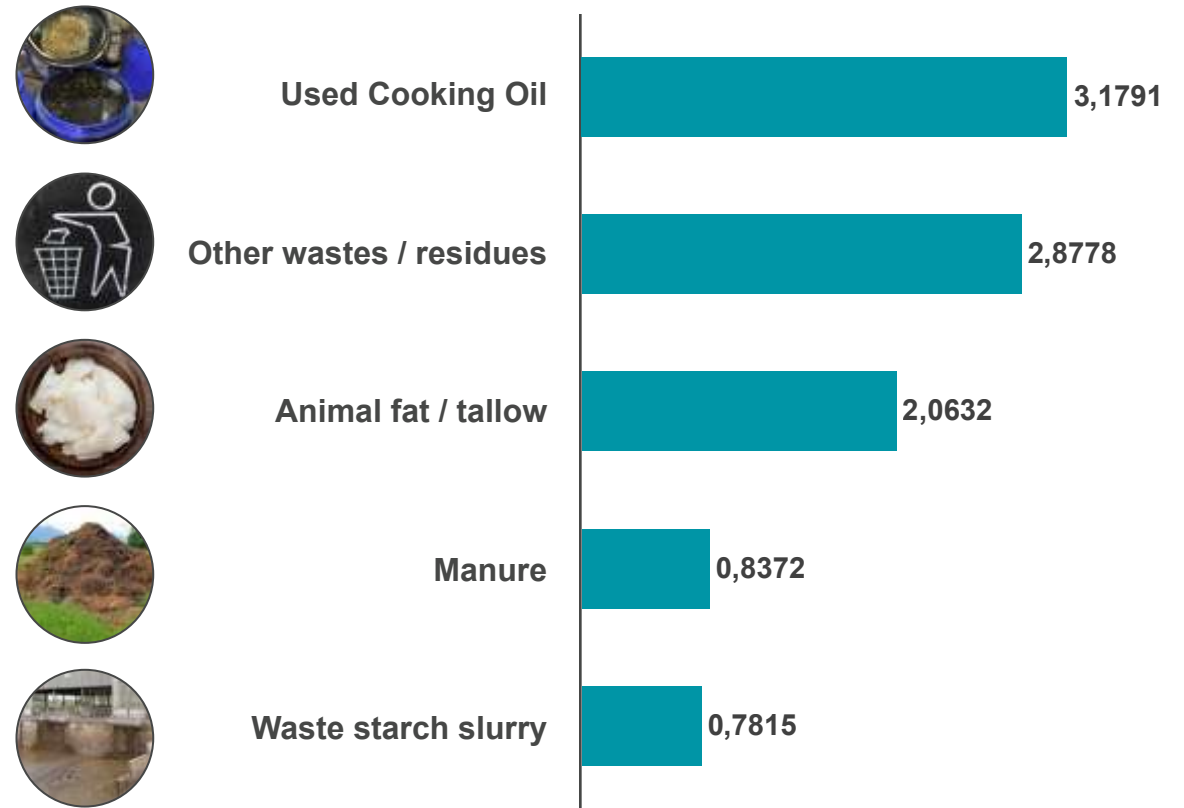
<p><b>New targets</b></p>	<p><b>Caps and multipliers</b></p>	<ul style="list-style-type: none"> <li>■ <b>32%</b> energy from renewable sources until 2030 (EU level)</li> <li>■ <b>14%</b> blending obligation for fuel suppliers until 2030</li> <li>■ <b>3,5%</b> share of advanced biofuels (Annex IX, Part A) until 2030 (Part B capped to 1,7%)</li> <li>■ <b>Road &amp; rail:</b> share of renewable electricity can count 4 x for road &amp; 1,5 x for rail</li> <li>■ <b>Maritime &amp; aviation:</b> fuels can count 1,2 x (excl. fuels produced from food/feed crops)</li> </ul>
<p><b>New fuel categories</b></p>	<p><b>Advanced Biofuels</b></p>	<ul style="list-style-type: none"> <li>■ <b>Advanced biofuels</b> (Annex IX, Part A)</li> <li>■ <b>High iLUC-risk</b> biofuels (palm phase out) &amp; <b>low iLUC-risk</b> biofuels (cap on consumption)</li> <li>■ Renewable fuels of non-biological origin (<b>RNFBOs</b>) &amp; recycled carbon fuels (<b>RCF</b>)</li> </ul>
<p><b>New sustainability requirements</b></p>		<ul style="list-style-type: none"> <li>■ Mandatory sustainability criteria for <b>gaseous and solid biomass</b> (e.g. wood pellets)</li> <li>■ Criteria for forest biomass regarding monitoring and enforcement systems in place</li> </ul>
<p><b>New GHG emission saving requirements</b></p>		<ul style="list-style-type: none"> <li>■ <b>65%</b> for installations starting operation after 1 January 2021</li> <li>■ <b>70%</b> for renewable fuels from non-biolog. origin after 1 January 2021</li> <li>■ <b>New fossil fuel comparator:</b> 94 instead of 83.8 gCO<sub>2</sub>eq/MJ</li> </ul>
<p><b>Amendments for Mass Balance &amp; Traceability database</b></p>		<ul style="list-style-type: none"> <li>■ Specification that raw materials and fuels can be mixed in certain sites. "Distribution infrastructure" includes the gas network</li> <li>■ Mixing of raw materials with differing energy content is explicitly allowed</li> <li>■ Establishment of a Union database to enable full traceability of transport fuels</li> </ul>

# Crops with most certified cultivation area and largest amounts of certified waste/residues materials

Crops – Certified Cultivation Area (in million hectare)



Waste and Residues (amount in million MT)



# The “ISCC Waste and Residues Online Training” was developed and launched in 2020 for high-risk value chains

- Compulsory for all ISCC auditors who conduct audits in waste and residue supply chains
- Auditors have to successfully pass a test after the online training



- 7 trainings conducted in 2020 and 2021
- 2 additional trainings are planned in the near future



- 457 participants so far



- 226 auditors have successfully passed the test and have received their attestations!



## Options for GHG savings due to soil carbon accumulation under ISCC – Way forward

- The RED II and the COM 2010/C 160/10 set the legislative framework to account GHG savings due to **improved agricultural management practices leading to soil carbon accumulation (esca)**
  - Shifting to reduced or zero tillage
  - Improved crop rotations and/or cover crops, including crop residues management
  - Improved fertilizer or manure management
  - Use of soil improver (e.g. compost)
- ISCC is developing a **Guidance Document for the Calculation and Verification of Emission Savings from Soil Carbon Accumulation**
  - **Specifications** to calculate, forward and verify actual esca values
  - Detailed guidance on **how to conduct field measurements** on representative soil samples to determine carbon accumulation, also **combined with soil modelling**
  - Requirements will be further developed in pilot projects with interested companies
  - Guidance document will be published very soon this year

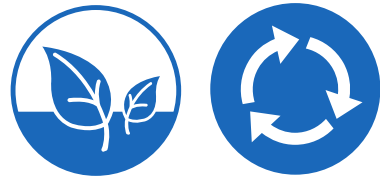


## In November 2020, the ICAO Council has approved the ISCC CORSIA certification system

- ISCC CORSIA is applicable for **Sustainable Aviation fuels (SAF)** under ICAO's Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA)
- **ISCC CORSIA certified** fuel producers and airlines can **demonstrate compliance** with the sustainability and GHG criteria for CORSIA-eligible fuels



As ISCC PLUS is becoming increasingly important for companies in the chemical industry, ISCC has established a Technical Committee in 2020



New Technical Stakeholder Committee  
“Circular Economy and Bioeconomy”

▶ Two meetings in 2020,  
next one on **15 June 2021**

for further information



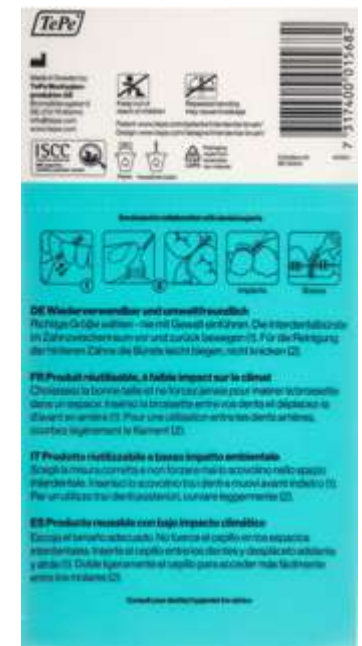


# The first ISCC PLUS certificate with the input material “renewable electricity” has been issued to Vynova in January 2021

Vynova produces PVC from certified bio and circular ethylene (mass balance) and renewable electricity



# More and more brand owners are using the ISCC logo on products



# ISCC continues to work with several project partners on topics like food security, biodiversity and forest conservation



## Food Security Standard

ISCC is a partner of the **Food Security Standard (FSS)** that can be integrated into existing sustainability standards like ISCC.



## Biodiversity Projects

ISCC supports the restoration of the landscape and former biodiversity in Bavaria's wetlands, as well as a biodiversity project in Eastern Germany.



## Tropical Forest Alliance

ISCC is partner of the multi-stakeholder platform **Tropical Forest Alliance (TFA)** in which partners take actions to reduce and ultimately halt tropical deforestation.

**SUSTAIN**

**SUSTAIN**

ISCC is an associate member of **SUSTAIN**, a palm oil alliance that uses blockchain technology to accelerate the implementation of No Deforestation, No Peat and No Exploitation (NDPE) policies.



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

- **28 desk-based Integrity Assessments in 2020** (*“desk-based” because of COVID-19*)
- **Withdrawal** of 7 certificates due to integrity assessments and 13 certificates due to a non-compliance of the system user that has been detected by the respective CB
- **Suspension from recertification** of 9 system users for a period of 6-60 months
- **Three “warnings”** have been issued to CBs by ISCC
- **One “yellow cards”** have been issued to a CB by ISCC
- Based on the analysis, ISCC system documents, audit procedures and other templates are **continuously improved** and updated



Many thanks for your attention!

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