



Welcome and Latest Developments of ISCC

Prof Gernot Klepper, PhD, Chairman of the ISCC Board, and Dr Norbert Schmitz, Managing Director, ISCC System GmbH
ISCC Global Sustainability Conference, 08 February 2022

Today is the 12th Global ISCC Sustainability Conference and the 2nd event in a virtual format. More than 1,100 people are registered



The ISCC Global Sustainability Conference is an event of the ISCC Association.

Today, the Association comprises 189 members

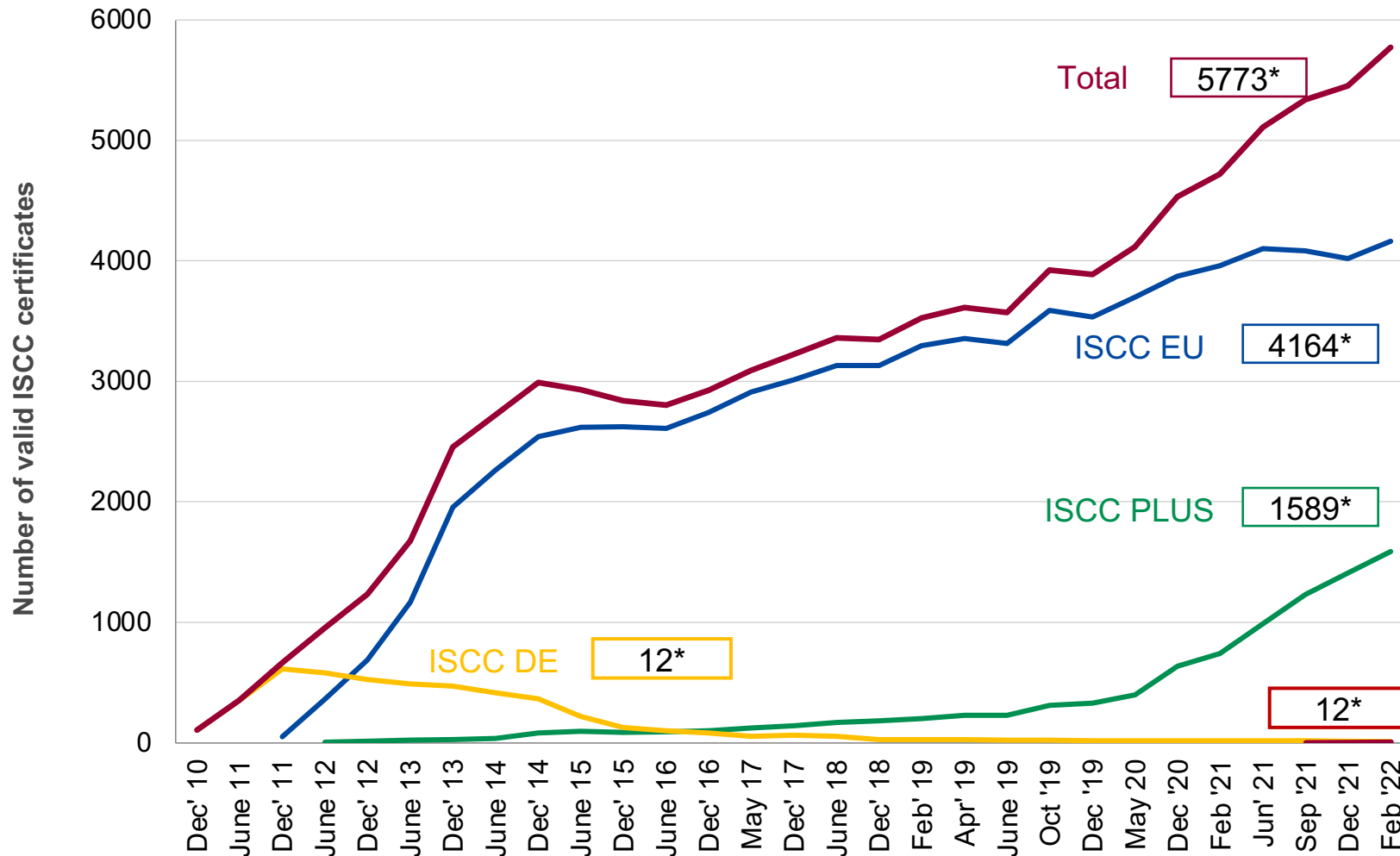


Several new members have joined the association since the last Conference.
The ISCC Association grew by 25%



As of February 2022

ISCC has grown strongly in the past 12 months: Nearly 5,800 ISCC certificates are valid currently



+ 5%**
ISCC EU
certificates

+ 125%**
ISCC PLUS
certificates

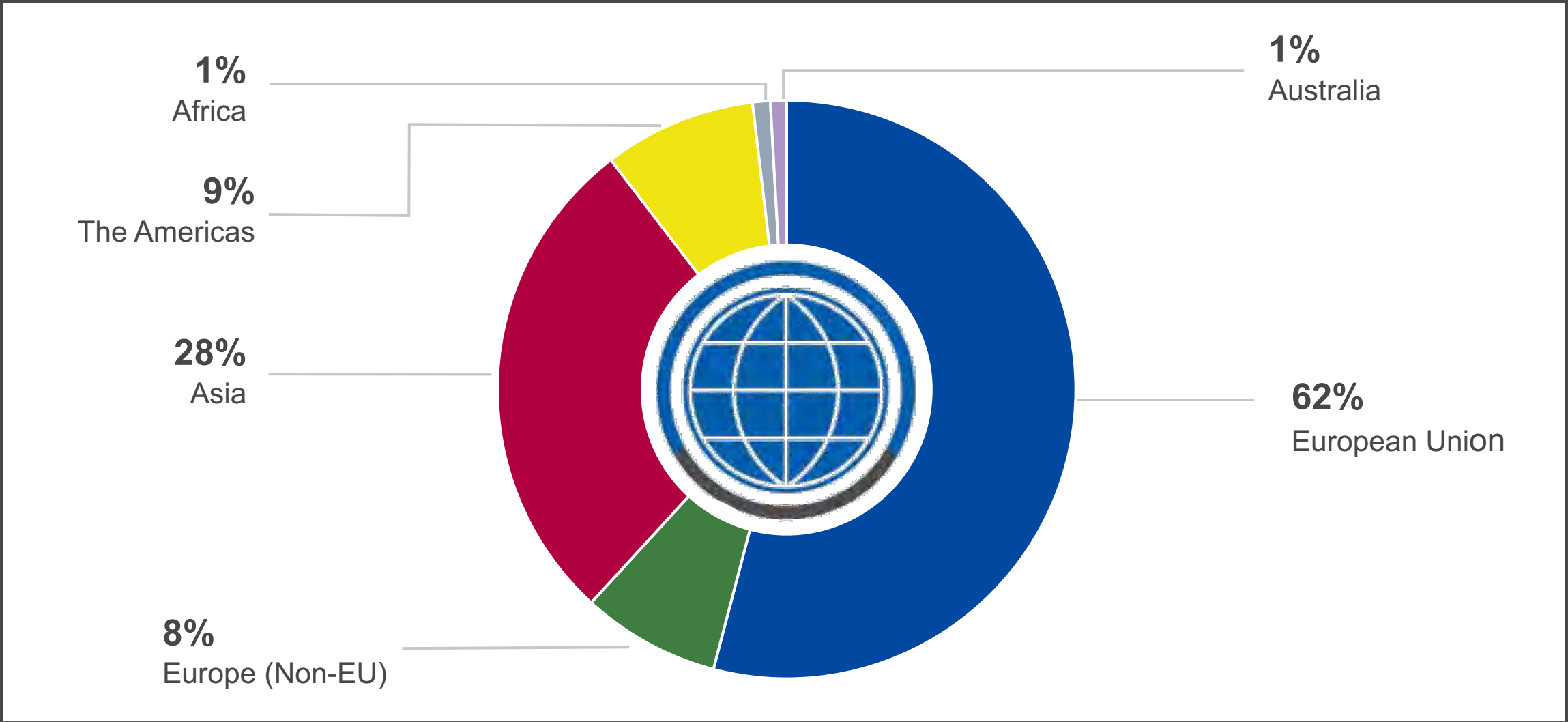
NEW
ISCC
CORSA
certificates

-37%**
ISCC DE
certificates

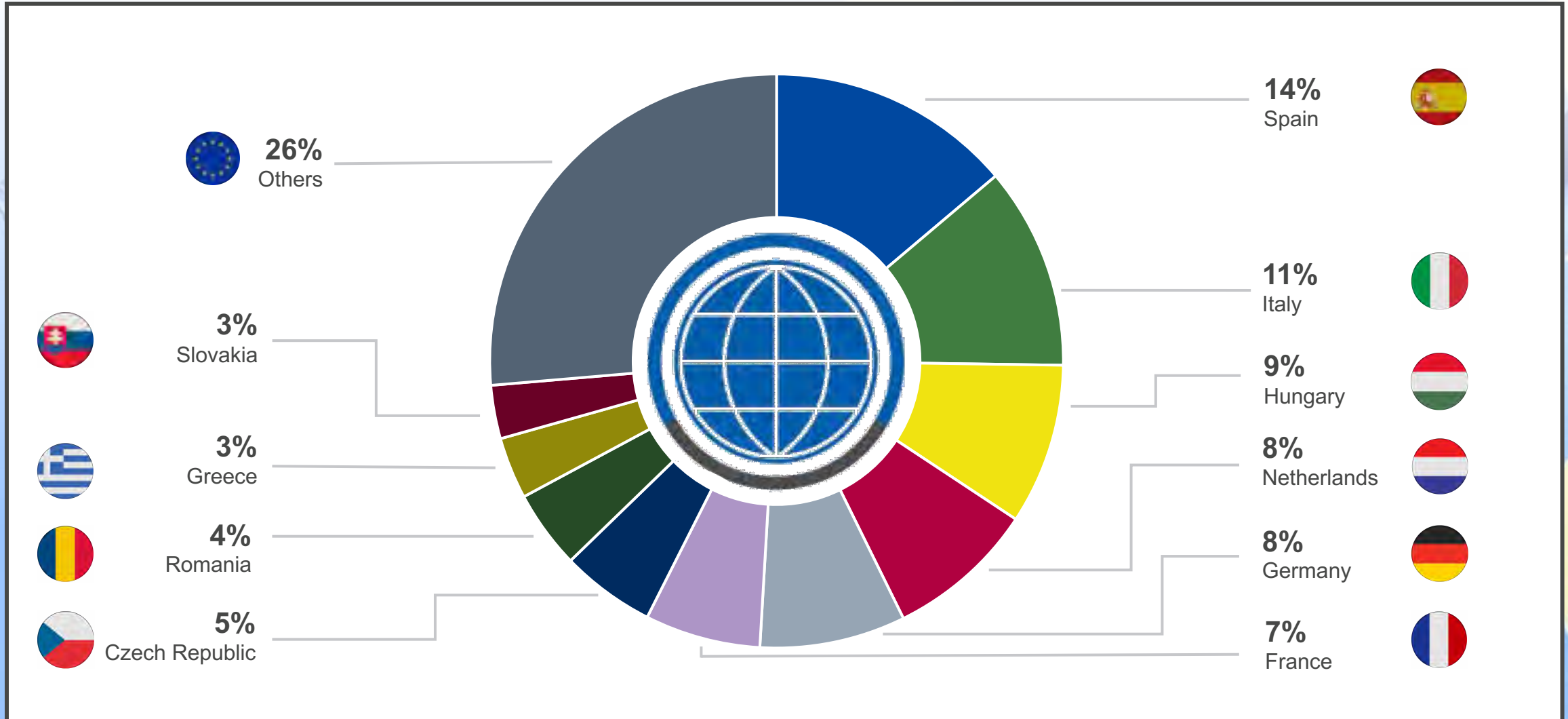
* Numbers as of February 2022
** In comparison to February 2021



Around three fifths of ISCC certificates are issued to companies based in the EU



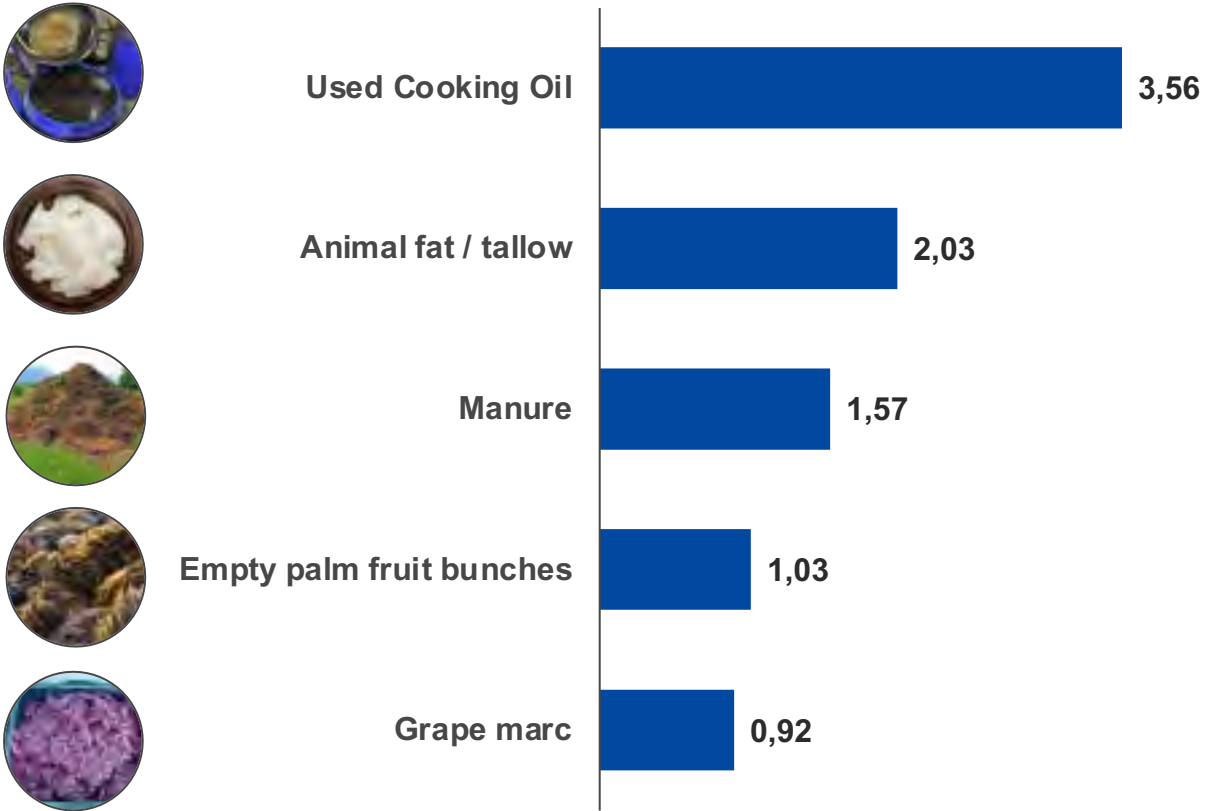
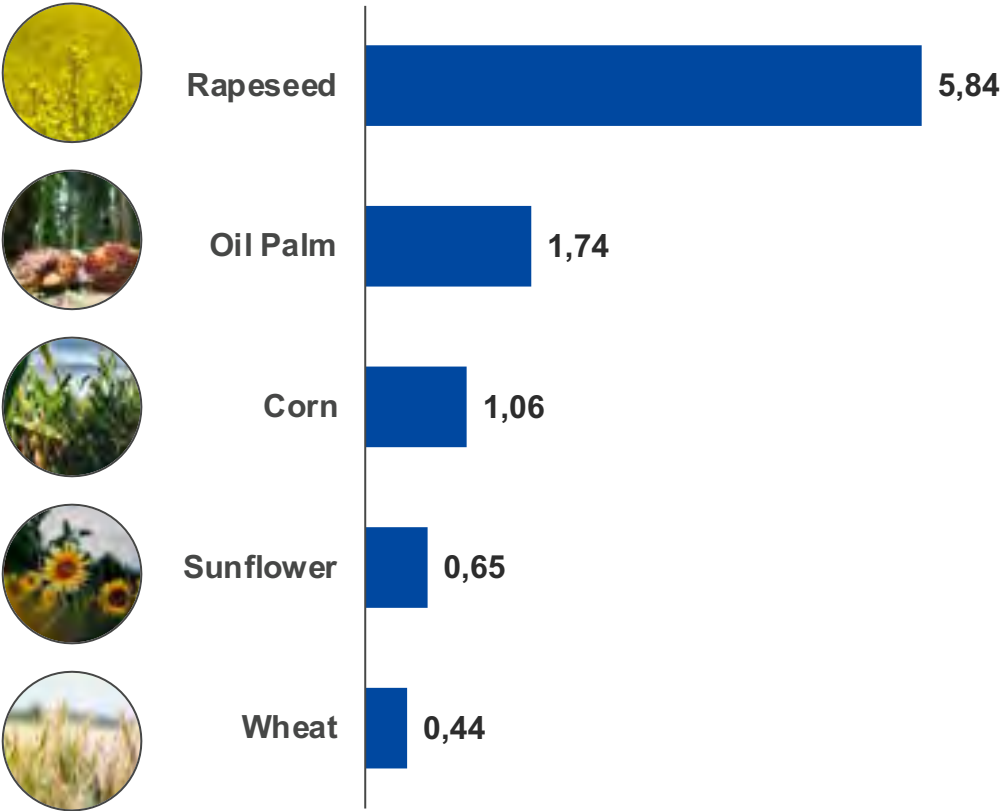
Spain and Italy continue to have the largest number of ISCC certificate holders in the EU



More than 86 million metric tons of raw material were ISCC certified in 2020, including more than 15 million metric tons of waste and residues

Crops – Certified Cultivation Area (in million hectare)

Waste and Residues (amount in million MT)*

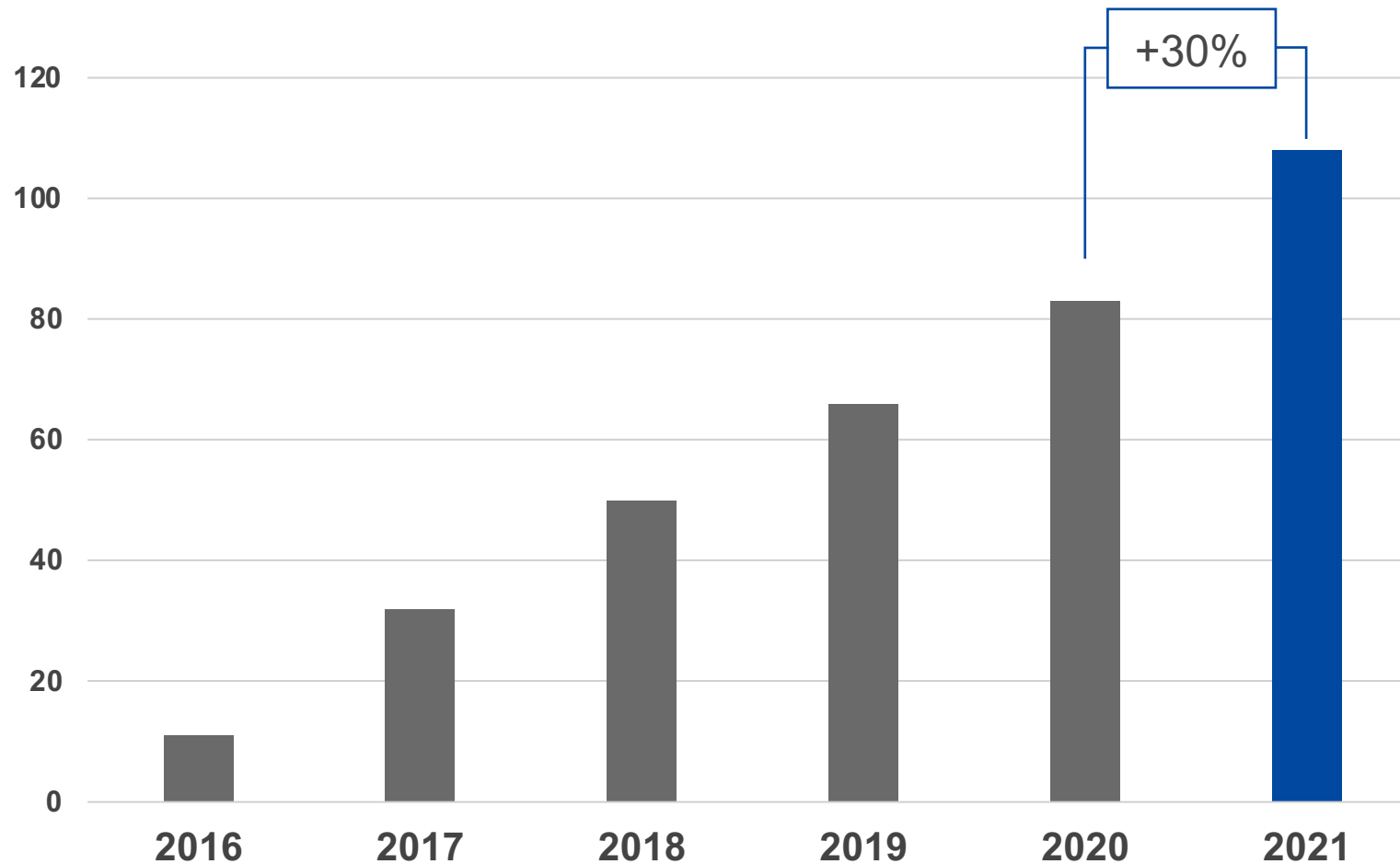


Numbers based on Reporting for calendar year 2020. Reporting for 2021 is currently ongoing.

*Next to the materials listed, around 6.5 million MT of other wastes and residues were certified, the most prominent being waste starch slurry, food waste, spent bleaching earth, crude tall oil and municipal solid waste.

Biomethane is a steadily growing market in the ISCC system

ISCC certified biogas and biomethane producers*



Examples





ISCC EU recognition under RED II approved

- On 3rd February, the Committee on the Sustainability of Biofuels, Bioliquids and Biomass Fuels gave a **positive vote to recognise ISCC EU under RED II***
- The **official recognition process is finished with the formal adoption and publication** of the decision by the EC
- The EC stated on their website that they expect that this will take place **by the end of Q1/2022**

* https://energy.ec.europa.eu/topics/renewable-energy/biofuels/voluntary-schemes_en#approved-voluntary-schemes-and-national-certification-schemes

Interest in Sustainable Aviation Fuels (SAF) is taking off. The first ISCC CORSIA certificates have been issued, including for feedstock and SAF producers



Since November 2020, economic operators and airlines can **demonstrate compliance with the CORSIA Sustainability Criteria for CORSIA Eligible Fuels** by applying the ISCC CORSIA Certification System.

ISCC put in place a dedicated CORSIA Training as well as a Stakeholder Committee on SAF

ISCC CORSIA Training



- **Provides in-depth training** around the ISCC CORSIA standard to auditors and third parties
- **Three trainings** conducted so far with **150+ participants**, including regulators, airlines, SAF producers and suppliers
- **50+ auditors** have successfully passed the training and are in the position to conduct ISCC CORSIA audits

Technical Stakeholder Committee „Sustainable Aviation Fuels“



- Set up to enable a **regular stakeholder dialogue on SAF**
- **150+ participants** attended the first meeting
- **Topics under discussion** include regulatory developments, SAF market ramp-up, SAF sustainability certification and more
- **Contributors and speakers** include regulators, airlines and operators along the SAF supply chain

2021 already saw ISCC certified SAF be delivered and used in flights

Examples

Air France-KLM, Total, Groupe ADP and Airbus Join Forces to Decarbonize Air Transportation and Carry Out The First Long-Haul Flight Powered By Sustainable Aviation Fuel Produced in France

05/18/2021 News

Paris, May 18, 2021 – Air France-KLM, Total, Groupe ADP and Airbus have joined forces to carry out the first long-haul flight powered by Sustainable Aviation Fuel (SAF)¹ produced in France. At 3:40 p.m. today, Air France Flight 342 took off from Paris-Charles de Gaulle airport's Terminal 2E for Montreal with its tanks filled for the first time with sustainable aviation fuel produced in Total's French plants.

This flight is a tangible result of the four groups' shared ambition to decarbonize air transportation and to develop a SAF supply chain in France, prerequisite to the generalization of their use in French airports.

No modifications to storage and distribution infrastructure, aircraft or engines are required to incorporate biofuels. Their gradual introduction worldwide should significantly reduce CO₂ emissions from air transportation, in line with the United Nations' Sustainable Development Goals.

The biofuel used for this flight was made from waste and residue sourced from the circular economy. Total produced the SAF from used cooking oil at its La Mède biorefinery in southern France and at its Oudalle factory near Le Havre, without using any virgin plant-based oil.

This first 100% French SAF received ISCC-EU certification from the International Sustainability & Carbon Certification System, an independent organization that guarantees sustainability. The 16% blend on this flight lessened its CO₂ emissions by 20 tons.

By developing and supporting France's first industrial SAF production, Air France-KLM, Total, ADP Group and Airbus

Sustainable aviation fuel (SAF)

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The ISCC PLUS standard has continued to develop rapidly in 2021



System Document v3.3 published after public consultation



New licensing scheme



New set of logos & claims
New Guidance Document



Two Technical Committee Meetings "Circular Economy and Bioeconomy" with 400+ participants



Intensive discussions with key stakeholders



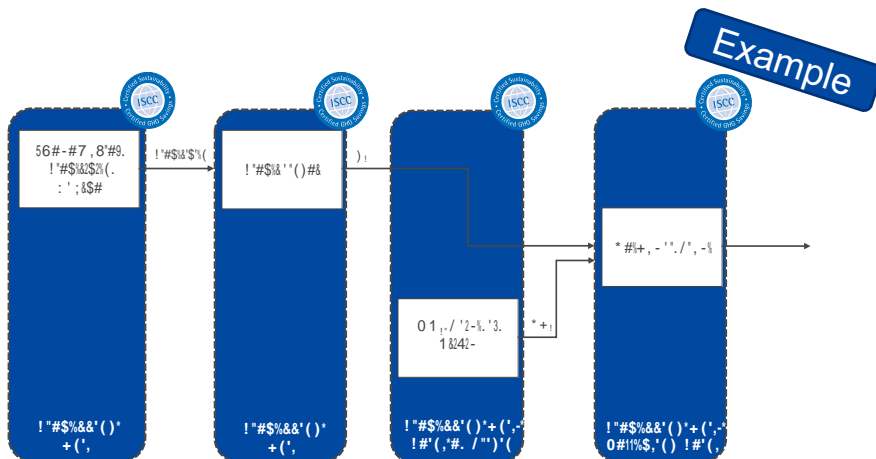
Five ISCC PLUS Trainings with 500+ participants

Visibility of ISCC certification to end consumers increases as more and more brand owners use the ISCC logo on products



ISCC is developing certification solutions for sustainable Power-to-X supply chains

- Integration of **electricity as a feedstock** for the production of renewable fuels and chemicals is gaining importance
- ISCC is in the position to certify PtX**, ensuring that key sustainability parameters are met along global supply chains
- Under **ISCC PLUS**, certification of PtX is already possible
 - “Green” hydrogen, chlorine via electrolysis process
 - Certification of sustainable basic chemicals (e.g. methanol, ammonia)
 - First certificate issued in early 2021
- Under the **RED II**, **ISCC EU** will apply for recognition as soon as the Delegated Act on the certification of RFNBOs* is published
- ISCC supports the certification of **Power-to-Liquid SAF**, including its future inclusion under **CORSIA** and the **ISCC CORSIA** standard



* RFNBOs: Renewable Fuels of non-biological origin



ISCC supports the maritime sector in its sustainability transition

- The shipping sector faces growing pressure to **reduce its carbon footprint**
- On 14 July 2021, the European Commission presented the **FuelEU maritime proposal** within its Fit for 55 package, accompanied with an impact assessment.
- With regulations such as FuelEU Maritime on the horizon, interest in **more sustainable solutions for the maritime sector** is growing
- ISCC will intensify its work with **important stakeholders, many of which are already part of the ISCC System**, to accelerate the sustainability transition in the maritime sector
- First stakeholder meeting planned for mid 2022



MAERSK



SSI

Sustainable Shipping Initiative

Examples

ISCC monitors emerging sustainability regulations and helps facilitate companies' compliance through certification

German Supply Chain Law and EU regulation proposal on Corporate Due Diligence









Regulation on the Establishment of a Framework to facilitate Sustainable Investment (Taxonomy)




Proposal on the Regulation on Deforestation-free Products





-  Protection of fundamental human rights on farm level
-  Prevention measure in companies' purchasing strategies
-  Control mechanism with annual independent certification audits
-  Traceability throughout the supply chain
-  No deforestation and assurance of good agricultural practices
-  Protection of biodiversity and high carbon stock areas
-  **GRAS** Global Risk Assessment Services Site- and region-specific sustainability risk analysis and land use verification



Thank you for your attention!

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