



# ISCC Update

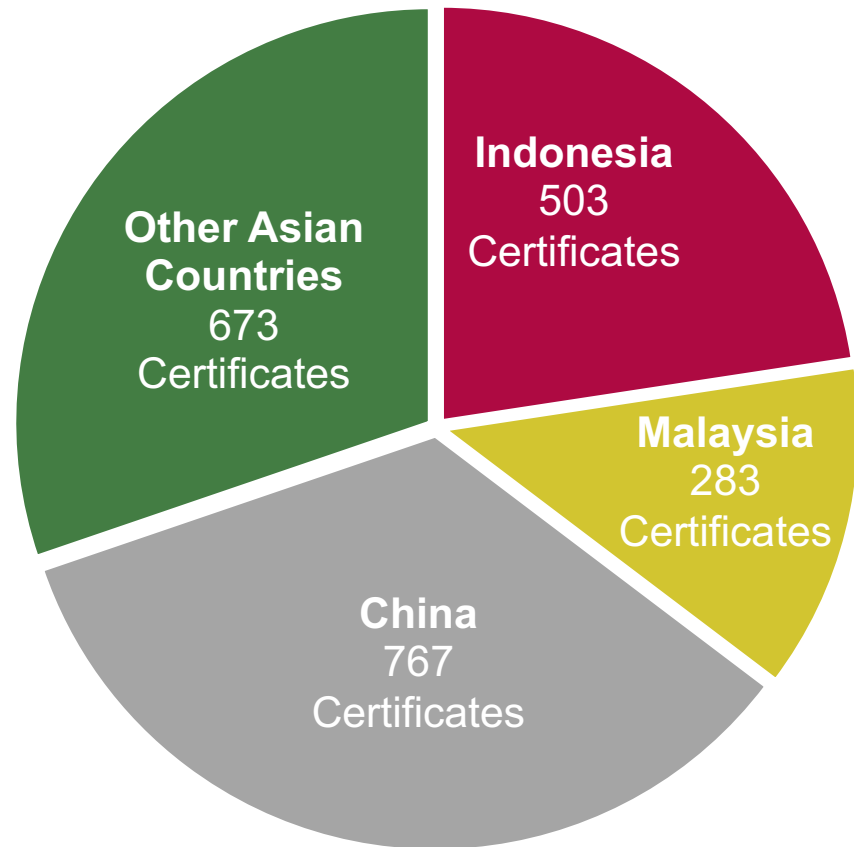
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Juliane Pohl, ISCC System GmbH  
ISCC Regional Stakeholder Committee Southeast Asia  
18 October 2022, Hybrid Meeting

# ISCC is a well-established and credible certification standard



7,449 ISCC certificates are currently valid. The share of valid ISCC certificates in Asia has again increased above the global growth



**Comparison with valid certificates in October 2021**

<b>Globally</b>	<b>5,360 certificates</b>	<b>+ 39%</b>
Indonesia	357 certificates	+ 41%
Malaysia	260 certificates	+ 9%
China	498 certificates	+ 54%
Other Asian countries	423 certificates	+ 59%

\* Numbers as of 12 October 2022

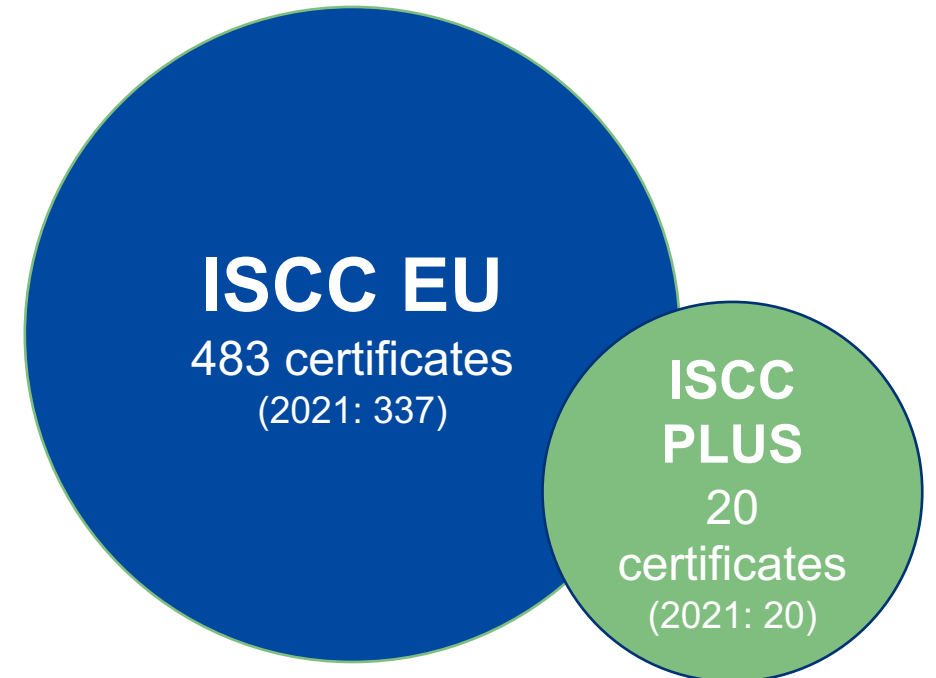
Each certificate may be issued for more than one scope/ type of operation

# ISCC in Indonesia: 503 certificates, the share of certificates for waste/residues has further increased



Certification scope*	Valid certificates	October 2021
Plantation	25	25
Central Office	18	21
Central Office (ISH)	0	0
First Gathering Point	85	77
Point of Origin (w/r)	193	117
Collecting Point (w/r)	161	97
Oil Mill	153	156
Refinery	60	49
Biodiesel Plant	20	16
Other processing units	14	5
Trader/Storage	131	110

Certificates per ISCC System



\* Numbers as of 12 October 2022

Each certificate may be issued for more than one scope/ type of operation

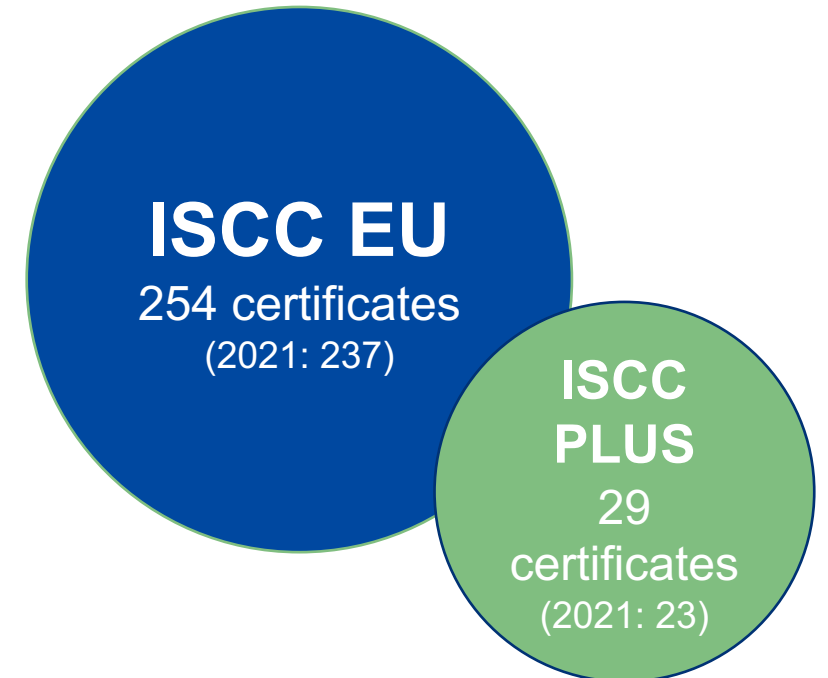


# ISCC in Malaysia: 283 certificates, ISCC EU is still the dominating system



Certification scope*	Valid certificates	October 2021
Plantation	11	9
Central Office	4	5
Central Office (ISH)	0	0
First Gathering Point	55	65
Point of Origin (w/r)	45	53
Collecting Point (w/r)	131	111
Oil Mill	73	82
Refinery	32	30
Biodiesel Plant	20	21
Other processing unit	23	5
Trader/Storage	166	112

Certificates per ISCC System



\* Numbers as of 12 October 2022

Each certificate may be issued for more than one scope/ type of operation

# The ISCC Association is a multi-stakeholder initiative comprised of currently 214 members. New members welcome any time!



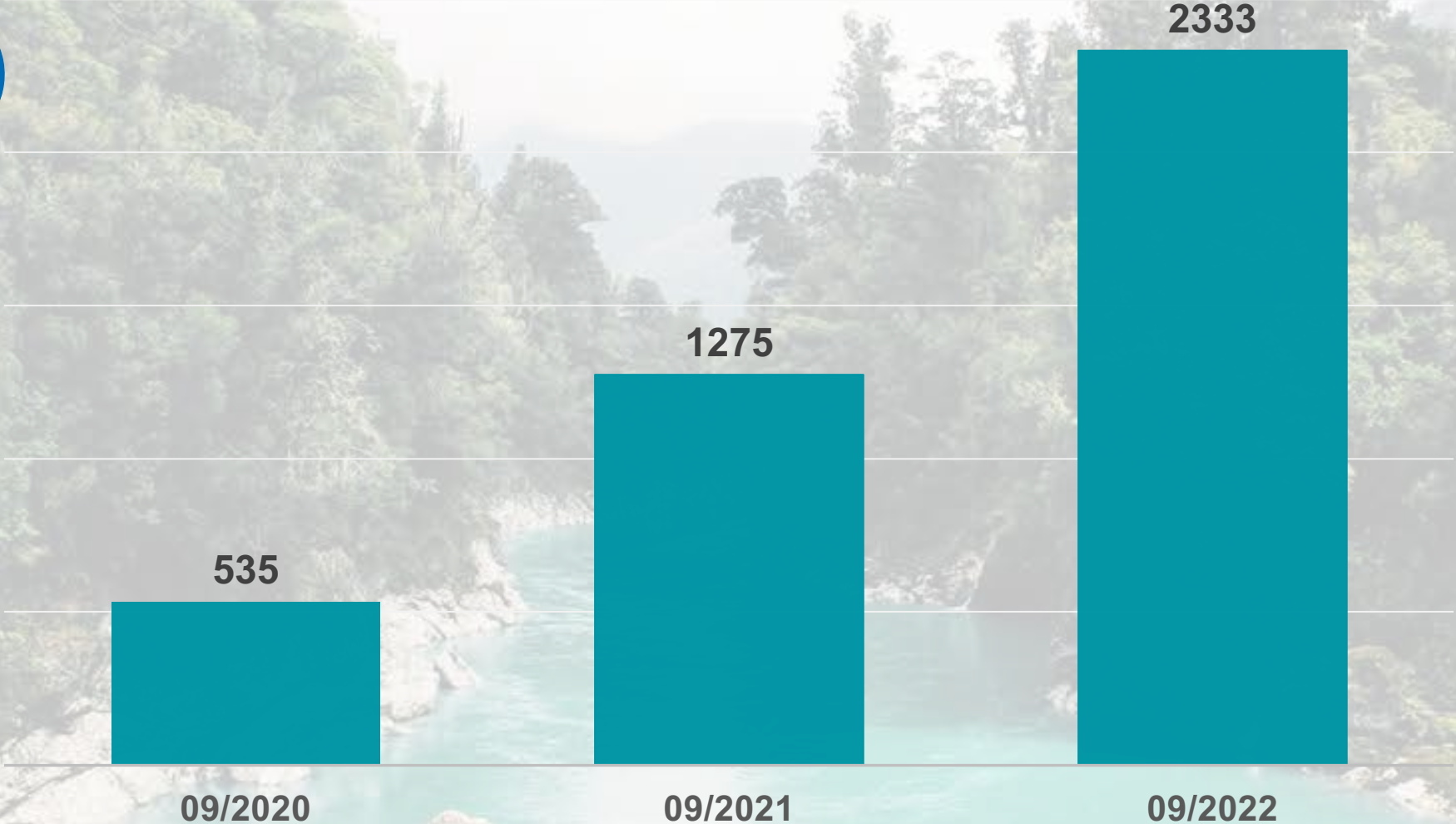
As of October 2022



# The amount of ISCC PLUS certified companies increases significantly since several years



Valid ISCC PLUS Certificates







More and more brand owners become ISCC certified or ISCC licensed.

**pigeon** **ATRIA** **BIC**  
Swedish Match. **Examples**

**snips** **Beiersdorf** **BRITISH AMERICAN TOBACCO**

**Yoplait** **ace & tate** **DELIZIO** **GENTLE MONSTER**

**Mondelez International** **PEPSICO** **TOPVALU**

**NUK** **TePe** **Emmi** **Orkla**

**REN CLEAN SKINCARE** **Nestlé** **MATTEL** **GRUPO BIMBO**

**Kraft Heinz** **bugaboo** **Hpm**

**nip** **Tupperware** **Chovi DESDE 1950**

**FRONERI** **Mölnlycke** **Tchibo**



# Recent examples of ISCC certified/licensed consumer-facing products



# ISCC is supporting the aviation industry on its journey towards a net-zero future

- Many **ISCC members and system users** are active in the field of SAF
- With American Airlines and Deutsche Post DHL, **major airlines** have joined the ISCC Association
- ISCC is an active member of the **CAEP Fuels Task Group within ICAO**, working on the further development of CORSIA eligible SAF and LCAF (lower carbon aviation fuels)
- ISCC actively drives the **development and piloting of certification solutions for innovative SAF pathways**, including for Power-to-liquid (PtL) SAF
- ISCC currently has 30 certified operators under its **CORSIA standards**, 13 certificates covering **co-processed SAF**, 15 covering **HEFA**, and 160+ covering **HVO**

## Examples



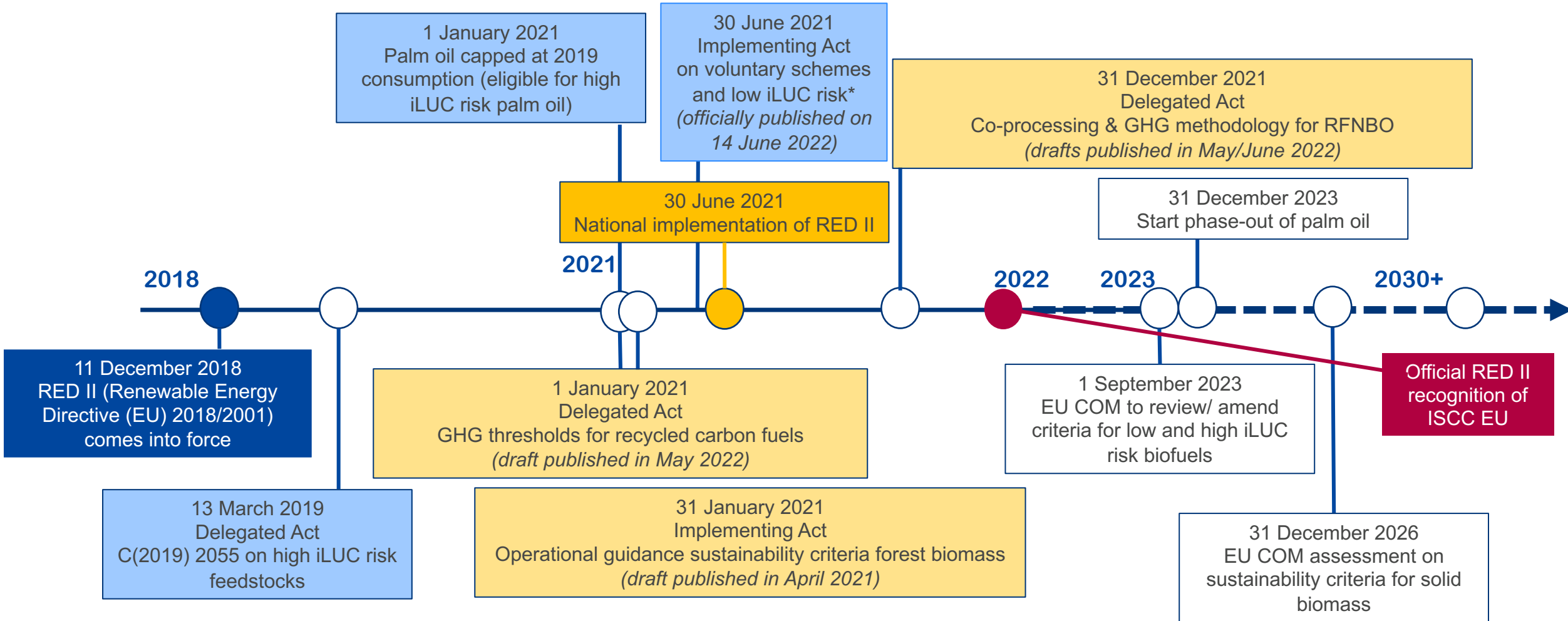




## ISCC supports the maritime sector in its sustainability transition

- 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
- On 24 May 2022, the first ISCC Stakeholder Meeting dedicated to sustainable marine fuels took place. More than **200 participants** attended the meeting, representing regulators, NGOs, academia and companies from across the value chain
- A dedicated **Technical Stakeholder Committee** on sustainable marine fuels has been recently established. The first meeting is to take place in Q1 2023

# ISCC EU: Official RED II recognition by EC in place since April. Some legislation with impact on certification requirements are still pending



\* Implementing Regulation (EU) 2022/996 on rules to verify sustainability and GHG emissions saving criteria and low indirect land-use change risk criteria



## II

(Non-legislative act)

## REGULATIONS

COMMISSION IMPLEMENTING REGULATION (EU) 2022/996

of 14 June 2022

on rules to verify sustainability and greenhouse gas emissions saving criteria and low indirect land-use change risk criteria

(Text with EEA relevance)

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Directive (EU) 2018/2001 of the European Parliament and of the Council of 11 December 2018 on the promotion of the use of energy from renewable sources (1), and in particular Article 10(1) thereof,

Whereas:

- (1) Directive (EU) 2018/2001 expands the role of voluntary schemes to include the certification of the compliance of biomass fuels with sustainability and greenhouse gas (GHG) emissions saving criteria and the compliance of renewable liquid and gaseous fuels of non-biological origin and recycled carbon fuels with the respective GHG emissions saving criteria. Voluntary schemes can be used to certify biofuels, bioliquids and biomass fuels with the respective sustainability and GHG emissions saving criteria.
- (2) In order to ensure the correct and harmonised application of the sustainability and GHG emissions saving criteria, the Commission should apply sectoral guidance on the economic viability of the respective schemes.
- (3) With a view to ensuring that the requirements are applied in a consistent manner, the Commission should establish minimum requirements for the implementation of the schemes.
- (4) Economic operators may decide at any time to pursue their activities under another scheme. In order to prevent an economic operator that has failed an audit under one scheme from applying for certification under another scheme, all schemes receiving an application from an economic operator should require that operator to supply information about whether it failed an audit in the previous year. This should also apply to situations where the economic operator has a new legal personality but remains the same entity, so that minor or purely formal changes, for instance, in the governance structure or the scope of activities, do not exempt the new economic operator from such a rule.

(1) OJ L 318, 11.12.2018, p. 31.

## Implementing Act (IA) on voluntary schemes published on 14 June 2022

- *Implementing Regulation on rules to verify sustainability and GHG emissions saving criteria and low indirect land-use change risk criteria\**
- Sets detailed rules for voluntary schemes regarding:
  - Scheme governance
  - Audit processes and auditor qualifications
  - Mass balancing, GHG emissions, co-processing
  - Low ILUC risk certification
- Adjusted requirements must be implemented by the voluntary schemes, i.e. changes to the current System Documents are required
  - Updated ISCC System Documents were already submitted to EC
  - ISCC will publish updated System Documents once confirmed by the EC

\* Implementing Regulation (EU) 2022/996 can be downloaded from EC website:  
[https://eur-lex.europa.eu/eli/reg\\_impl/2022/996](https://eur-lex.europa.eu/eli/reg_impl/2022/996)



## The RED II envisions the use of a "Union database" for biofuels and bioliquids

*The Commission shall ensure that a Union database is put in place to enable the **tracing of liquid and gaseous transport fuels** that are eligible for being counted towards the [biofuel quota].*

**Art. 28 (2) RED II**

- Database aims to reduce the risk of fraud, particularly in high-risk supply chains
- The details of the Union database implementation are currently under discussion





Process: Union Database (UDB)

The UDB is currently being developed by the European Commission

<https://www.iscc-system.org/process/union-database/>

# ISCC will facilitate the Union Database (UDB) as Service Provider

- The UDB is currently being developed by the European Commission (EC)
  - As of today, it is not known yet when the UDB will become operational
  - Once it has started its official operation, economic operators have to provide specified information to the UDB on sustainability and GHG emissions savings related to deliveries of sustainable material
- ISCC is an active participant in UDB workshops and is in continuous discussions with the EC and other stakeholders
  - ISCC will act as Service Provider, i.e. facilitate the process of data provision for economic operators to the UDB
  - ISCC has already set up a tool to facilitate this process
  - Pilots with selected economic operators are being conducted

## Union Database (UDB)

The RED II envisions the application of a "Union database" (UDB) for biofuels and bioliquids (see Art. 28(2) Directive (EU) 2018/2001 – RED II). The database aims to ensure the tracing of liquid and gaseous transport fuels that are eligible for being counted towards the share of renewable energy in the transport sector in any Member State. ISCC will act as a Service Provider (SP) and regularly inform about the development process and the timeline of the UDB. This is done via the ISCC System Updates, which ISCC system users, cooperating certification bodies and members of the ISCC Association receive regularly via email. Updates on the UDB will also be publicly posted on this page.

## Update from 11 October 2022

ISCC Digitalisation Processes

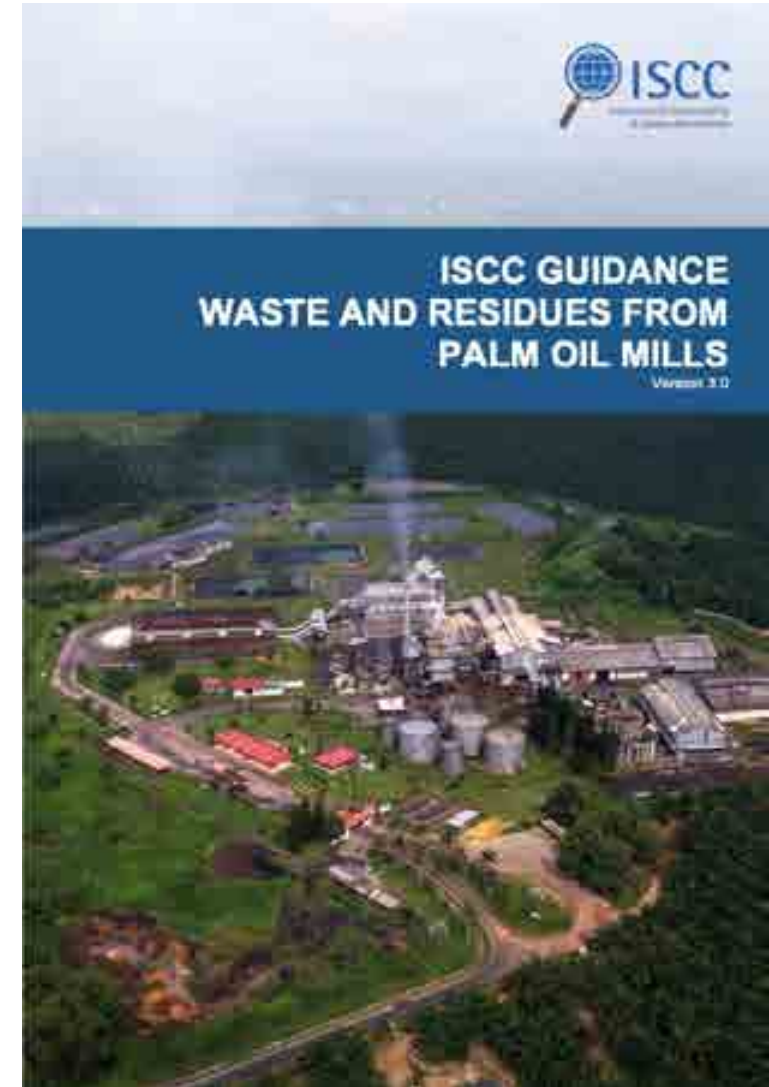
### ISCC as Service Provider for the UDB

ISCC's service provider platform for the Union Database is designed to be a lean and efficient interface with a focus on enabling users to upload the required information regarding their company and its transactions to the UDB with ease. In this way, ISCC will contribute to improved traceability in biofuel and bioliquid supply chains.

The platform developed by ISCC will serve as an interface to the UDB, as opposed to an additional database, with focus on facilitating the communication of information to the UDB and allowing users to view information relevant to them from the UDB in a clear and concise layout. Ensuring that the UDB remains the sole database in this

# Together with a stakeholder working group, ISCC has developed a detailed guidance document for waste and residues from palm oil mills

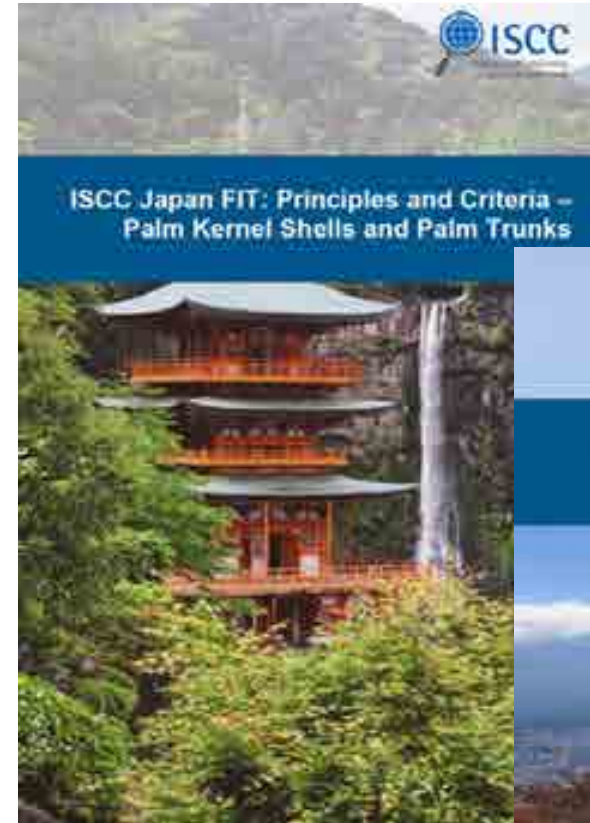
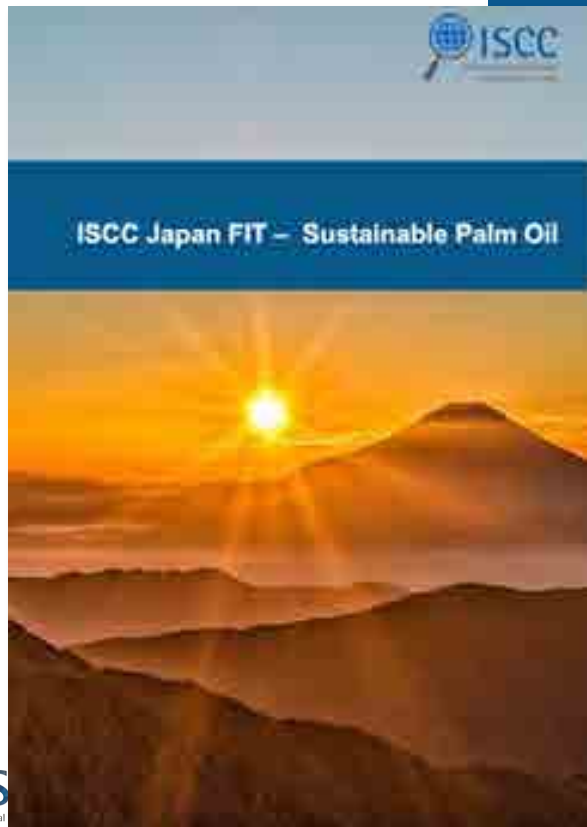
- Working group included experts from the palm sector (upstream) as well as industry representatives from Europe (downstream)
- Objectives of the working group:
  - Determine what can and cannot be classified as POME and to find an appropriate **definition** under ISCC
  - **Define other waste/residues** generated at the palm oil mill
  - Develop a **guidance for auditors**
- A comprehensive guidance document is published on the ISCC website
  - Current version 3.0 contains relevant feedback from public consultation phase
- **Note:** As of 01 November 2022, **all palm oil mills (POMs)** generating and supplying wastes and residues as sustainable under ISCC must be **audited on-site annually (no sample audits allowed for POMs)**



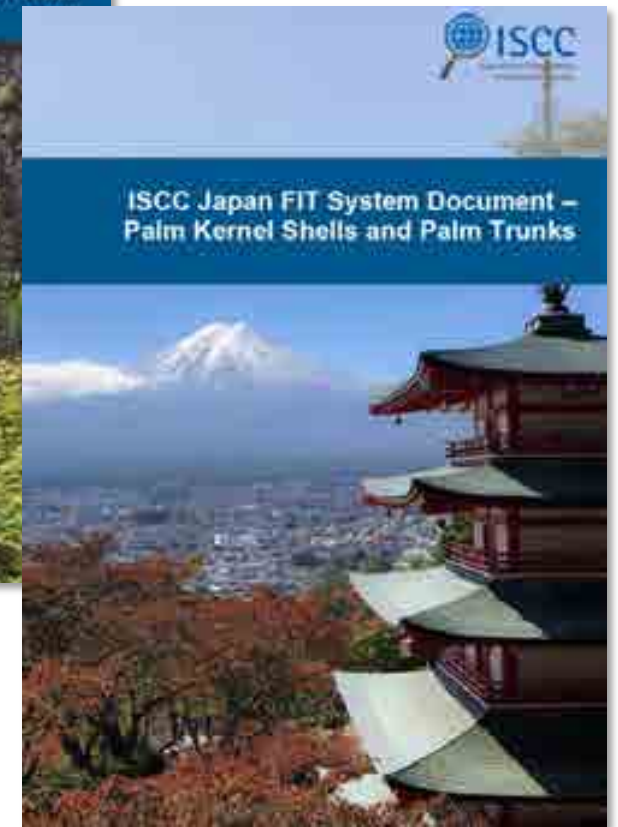


# ISCC has developed approaches for the certification of sustainable palm oil, palm kernels shells and palm trunks complying with legal requirements for power generation in Japan

Recognition by METI pending



Recognised by METI since April 2022



METI: Japanese Ministry for Economy, Trade and Industry

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# Power to X – ISCC's engagement

## What is PtX?

Power to X (PtX) is the process of **converting renewable electricity** via green hydrogen into fuel, gas or other products

## Why PtX?

To support the shift in energy production **towards CO<sub>2</sub>-neutral energy sources** and reach ambitious GHG saving goals

## Can ISCC certify PtX?

**ISCC PLUS:** Certification already possible today  
**ISCC EU:** ISCC is currently developing and piloting a certification approach for green hydrogen and derivatives

## You want to learn more?

Register for the **ISCC Event – Renewable Fuels of Non-Biological Origin**  
Date: 1 December 2022 (online)

001-FSS-RECOG-2020

## Food Security Standard (FSS) Recognition

*ISCC EU and ISCC PLUS Audit Procedures  
including the Food Security Standard (FSS)  
for Farm/Plantation (v1.0)*

are in accordance with the requirements of  
FSS Principles, Criteria and Indicators  
V1.0 (2020).

# FSS officially recognized the ISCC Food Security Add-On

- The **ISCC Food Security Add-On** is a voluntary extension of the ISCC core requirements, in accordance with the principles, criteria and indicators of the FSS (Food Security Standard)
- Through promoting and implementing this add-on, ISCC is determined **to strengthen food security on a global scale**
- By adopting the ISCC Food Security Add-On, companies can **demonstrate outstanding human rights due diligence** and high commitment to the UN Sustainable Development Goal number 2 on Human Right to Adequate Food

Bonn, Berlin, 10 November 2020



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an initiative of





# ISCC

International Sustainability  
and Carbon Certification

# Impact Report

# 2022

Evaluation of 16,000+  
certification audits

Download report at  
[www.iscc-system.org/about/impact/](http://www.iscc-system.org/about/impact/)





# Upcoming ISCC Events

## **ISCC Technical Stakeholder Meeting "Sustainable Aviation Fuels"**

- 27 October 2022 (online)

## **ISCC Regional Stakeholder Meeting "North America"**

- 9 November (Onsite & online)

## **ISCC Technical Stakeholder Meeting "Circular Economy and Bioeconomy"**

- 17 November 2022 (online)

## **ISCC Event "Renewable Fuels of Non-Biological Origin (RFNBOs)"**

- 1 December 2022 (online)

Further information and registration  
on the ISCC website



# Upcoming ISCC Trainings – Further dates for 2023 to be confirmed soon

## **ISCC Basic Training**

- 29 November – 1 December 2022 (online)

## **ISCC Greenhouse Gas Training**

- New dates will be confirmed shortly

## **ISCC PLUS Training – Circular Economy and Bioeconomy**

- 7 – 8 December 2022 (online)

## **ISCC CORSIA Training**

- New dates will be confirmed shortly

## **ISCC Waste and Residues Training**

- 22 November 2022 (online)

Further information and registration  
on the ISCC website



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Many thanks for your attention!

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