



SAF & SMF Advancements

An ISCC Update and Introduction to the
SAF Stream

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Brussels, Belgium, 20th February 2025

Many players in the aviation and maritime sectors (recently) joined the ISCC Association

Examples

FUEL PRODUCERS



AIRLINES, VESSEL OPERATORS

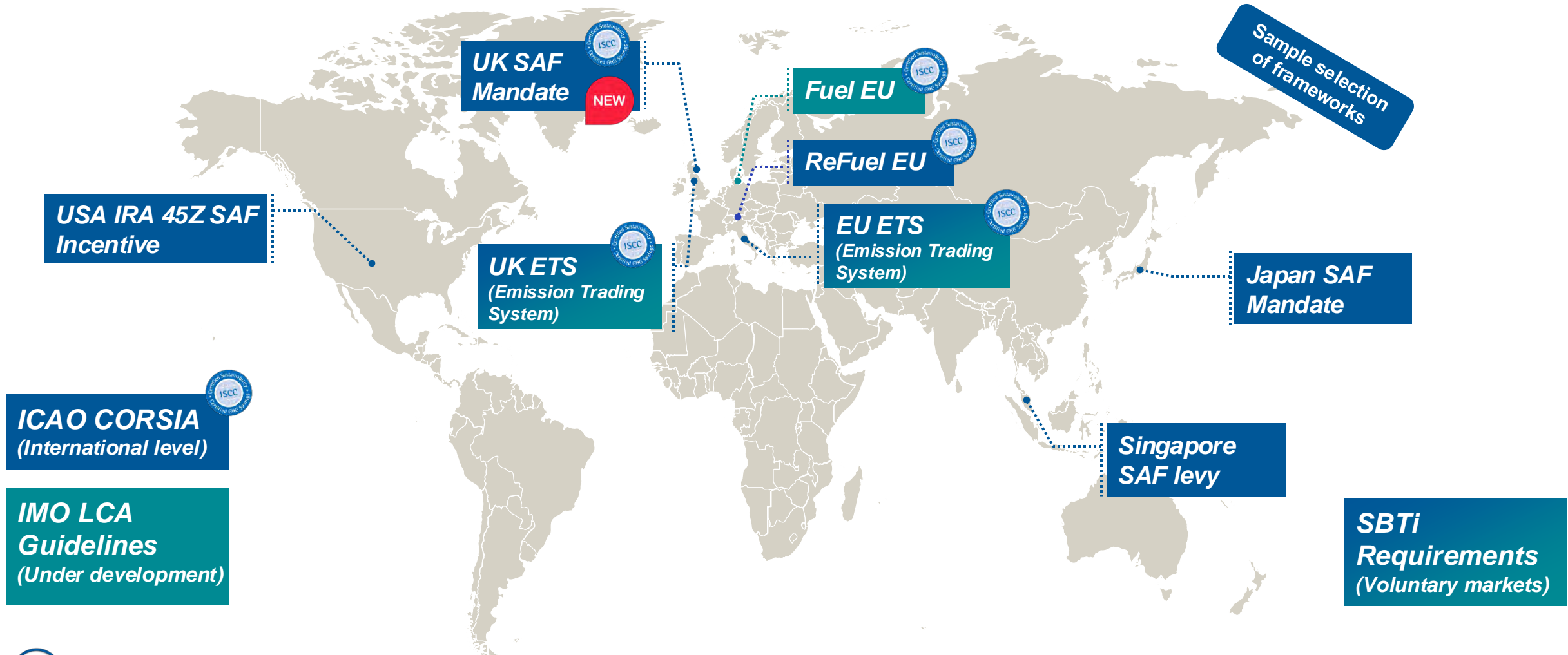


COMPANY ASSOCIATIONS, OTHERS

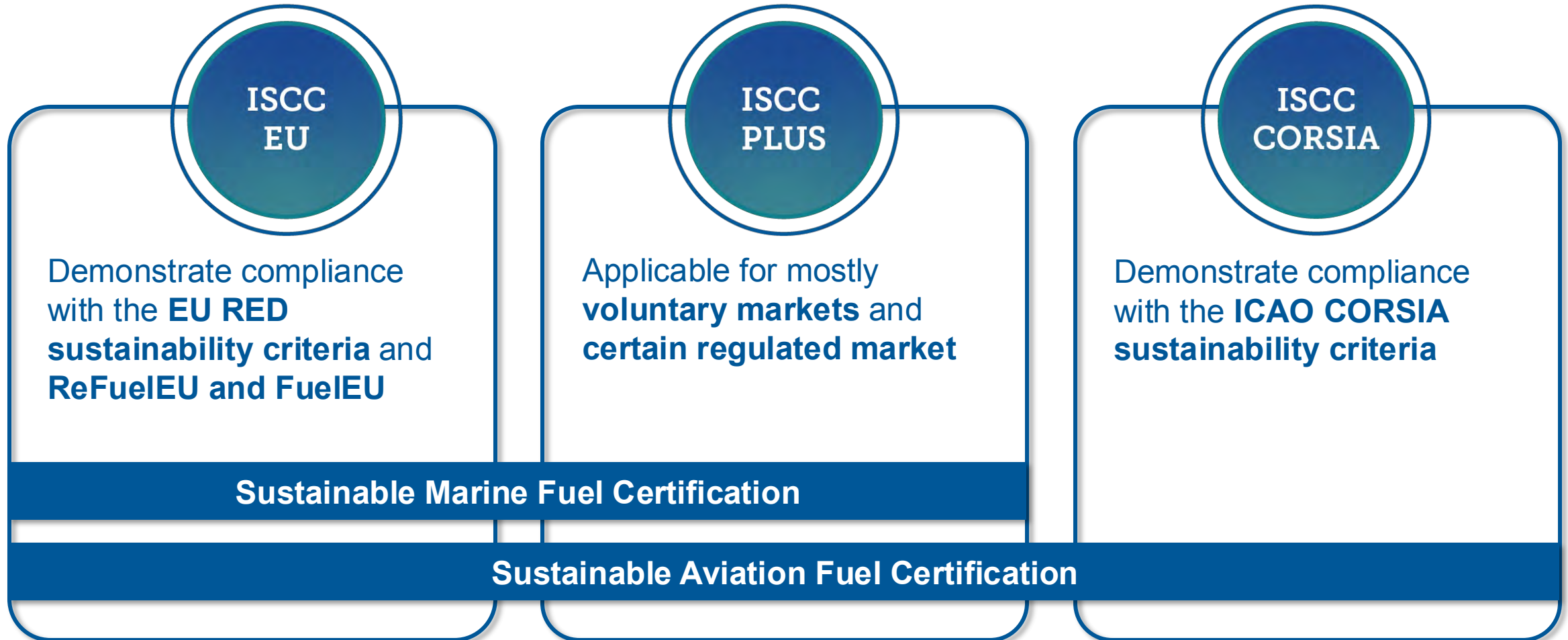


Powering SAF and SMF sustainability through certification

A key tool for compliance in (inter)national regulatory & voluntary frameworks



The ISCC certification schemes are tailored to the market needs and evolving global regulation market



As global SAF & SMF markets develop, more companies choose ISCC for certification

Examples of recent press releases

BAFS receives ISCC certification for SAF supply at Thai airports

Biofuels GHG
3 Feb 2025
Bangkok Aviation Fuel Services has secured ISCC certification for sustainable aviation fuel supply at two airports in Thailand...

biofuels

FS 1st Ethanol Producer to Receive ISCC CORSIA Low LUC Risk Certification for SAF Production

Monday, 04 March 2024

POSCO International Achieves ISCC EU and ISCC CORSIA Certifications for Palm Waste Oil

A Jung Min-hee | © 2024.10.24 11:50

South Korean refiner receives ISCC CORSIA for SAF output

Biofuels
4 Apr 2024
South Korean refiner S-Oil has become the first firm in the country to receive certification for supplying sustainable aviation fuel via the...

News

TotalEnergies Marine Fuels Supplies its First B100 Biofuel Bunker in Singapore

Published on 12/08/2024

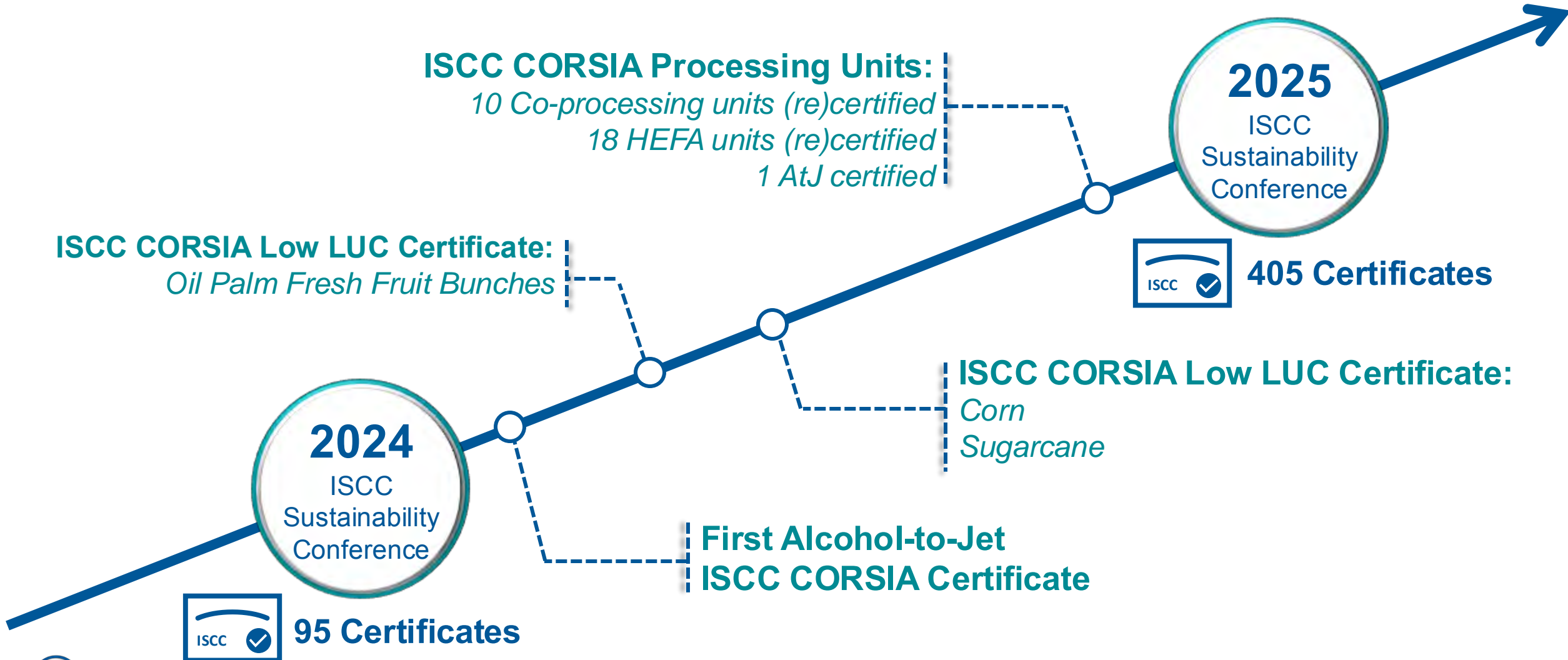
Uni-Fuels Awarded International Sustainability and Carbon Certifications, Reinforcing Commitment to Sustainable Marine Fuel Trading

Bangchak gets ISCC certification for B24 marine bio, eyes sales in Feb

Biofuels
18 Feb 2025
Bangchak Sriracha has received ISCC EU certification for its B24 marine biofuel and is now prepared to supply the renewable fuel to...



2024 as a momentum year : a steep climb for the ISCC CORSIA certificates



ISCC certification for SAF: looking at the (near) future

Examples

RFNBOs AND RCFs

ISCC EU

- Eligible fuels under **ReFuel EU** (and FuelEU Maritime)
- **Official recognition in place, 3 certificates issued**
- **25+ pilot audits** conducted
- ISCC is seeking recognition for **UK RFNBOs and UK RCFs**

HEI CEF* CERTIFICATION

ISCC CORSIA

- Provisions are in an advanced stage at ICAO level (FTG)
- Once agreed, ICAO provisions will be **incorporated** in the ISCC CORSIA requirements
- This will bring ISCC to certify eFuels under all the flagship schemes

LCAF** CERTIFICATION

ISCC CORSIA

- **LCAF** are considered **CORSIA Eligible Fuels** under ICAO
- ISCC is **piloting** the requirements to provide a **credible and workable certification approach**

The ISCC Credit Transfer System and Registry went live on April 2024



Proof of Sustainability for SAF submitted to ISCC Registry

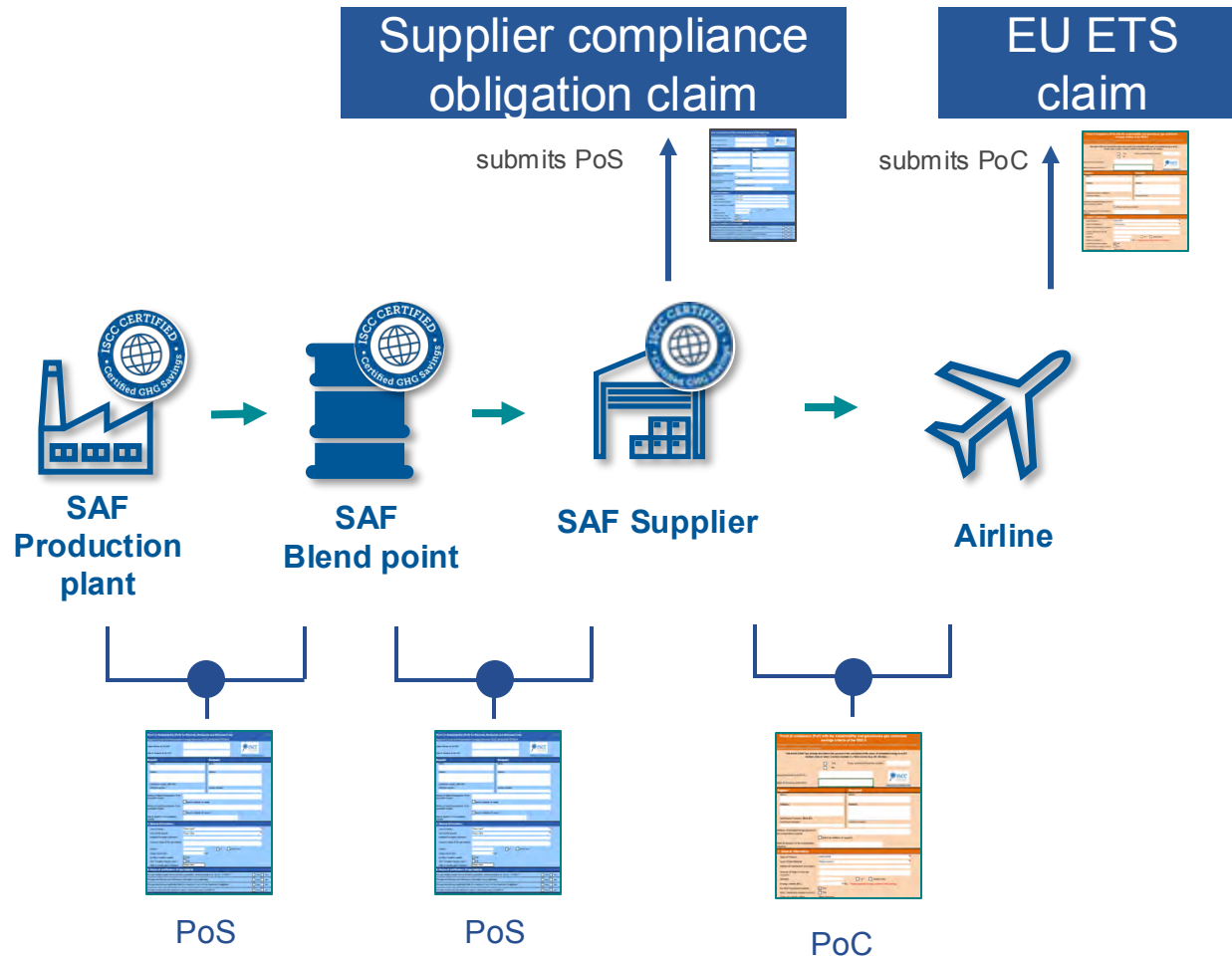


Mass Balance Certification
(e.g. ISCC CORSIA, ISCC EU, ISCC PLUS)



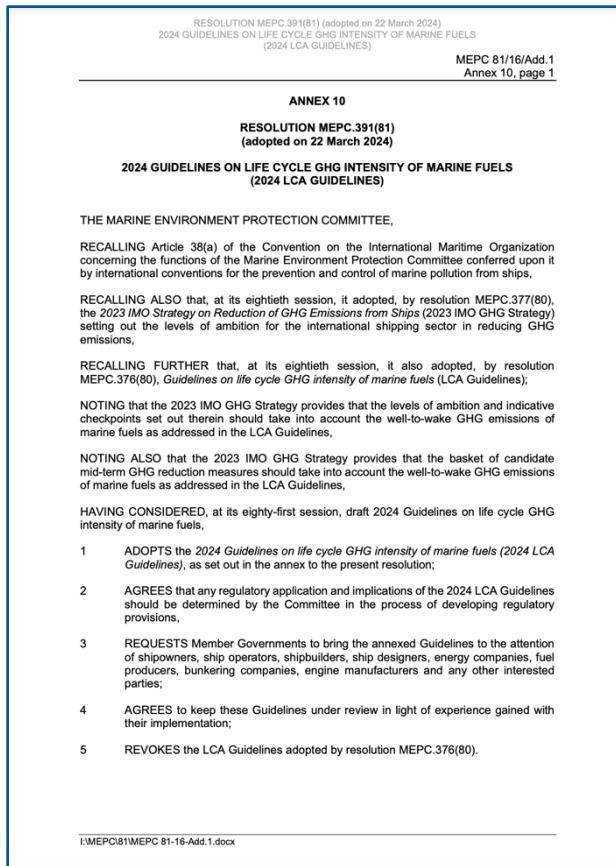
- Existing certification systems **lack coverage for airlines and corporate end-customers**, leading to transparency gaps and potential inaccuracies in voluntary claims
- ISCC Credit Transfer System links certified SAF supply chains to airlines and **corporate Scope 1 and 3 claims**
- This system ensures **transparency and credibility** through clear sustainability rules, **secure transfers**, and a **robust digital registry**
- Officially launched, the ISCC Credit Transfer System is **rapidly expanding its adoption**

The PoC frameworks solves a market challenge and need



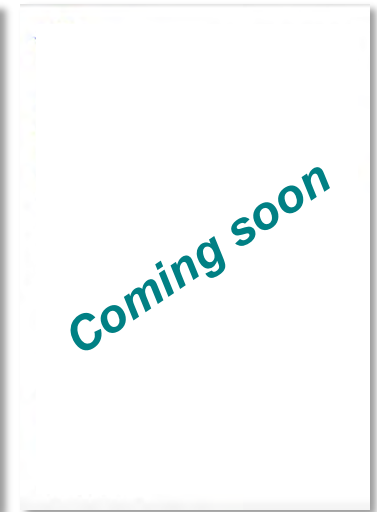
- **PoS for most SAF batches are used by economic operators upstream to make claims under compliance obligations**
- **‘Double issuance’ of a PoS for a specific batch of fuel is prohibited**
- **PoS is thus no longer available. Aircraft operators may not receive the documentation they need to make an emissions reduction claim under the EU ETS**
- The entity that retired the PoS (here the SAF supplier) is allowed to issue a document similar to the PoS, called **Proof of Compliance (PoC)**
- The PoC can be forwarded downstream to the aircraft operator to **make an ETS SAF claim**
- **ISCC has already 11 certificates with audited PoC-scopes**

Certification provisions under IMO LCA Guidelines are under discussion at IMO



- IMO proposed a **certification framework** for the implementation of the **IMO LCA Guidelines**
- Provisions are currently discussed in the **Intersessional Working Group on Reduction of Greenhouse Gas (GHG) Emissions from Ships (ISWG-GHG 18) this week (17-21 February 2025)**
- **ISCC** has been consulted as leading **expert as sustainability certification standard provider**
- ISCC is committed to **continut support IMO** and related groups and **apply for recognition at IMO**, eventually developing a dedicated scheme
- **Pilot projects** will be a key tool to determine **requirements applicability on the ground**

Stakeholder outreach is at the core of ISCC: Technical Stakeholder Meetings, Conferences, Guidance documents

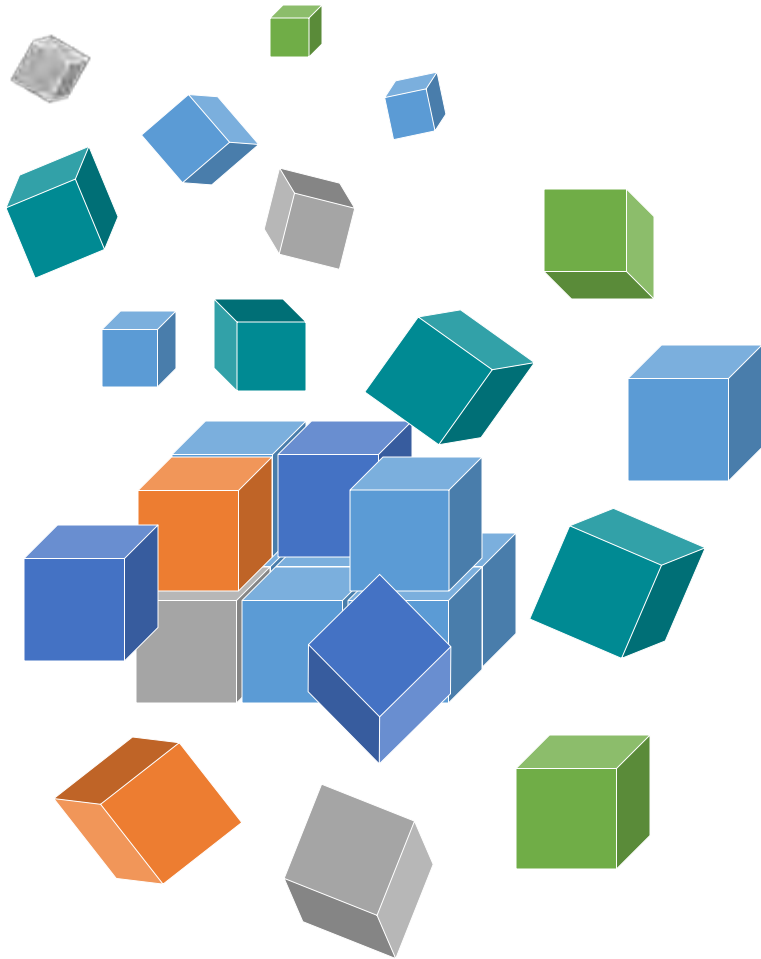


- **600+ people participated** to the Technical Stakeholder Meetings on SAF and SMF
- **20+ speakers** presentation (including regulators, fuel producers, company associations)

- **200+ attendees** on-site to the ISCC PLUS & SAF Conference in Japan (21 Jan 2025)

- ISCC contributed to write a **guidance document on on SAF sustainability certification**, published by **IATA**
- ESSF-SAPS* together with ISCC is drafting a **guidance document on SMF certification**

The road ahead is challenging - ISCC is committed to tackle them to support and create market value



- **Regulatory complexity is increasing**, including with regard to certification of fuels.
- **Harmonization of certification rules**, where possible, is essential in maintaining practicability of certification – but dependent in large part on underlying regulations



- ISCC is engaged in developing approaches for aiding market players, such as **EU RED and ICAO CORSIA dual compliance**



- Some challenges and open questions remain, for instance:
 - **Extension of the Credit Transfer System to the maritime sector**
 - **UDB for aviation and maritime**
 - **Certification of low carbon fuels as per the EU Gas Directive**
 - **Specific mass balance scenarios**



Thank you!

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