

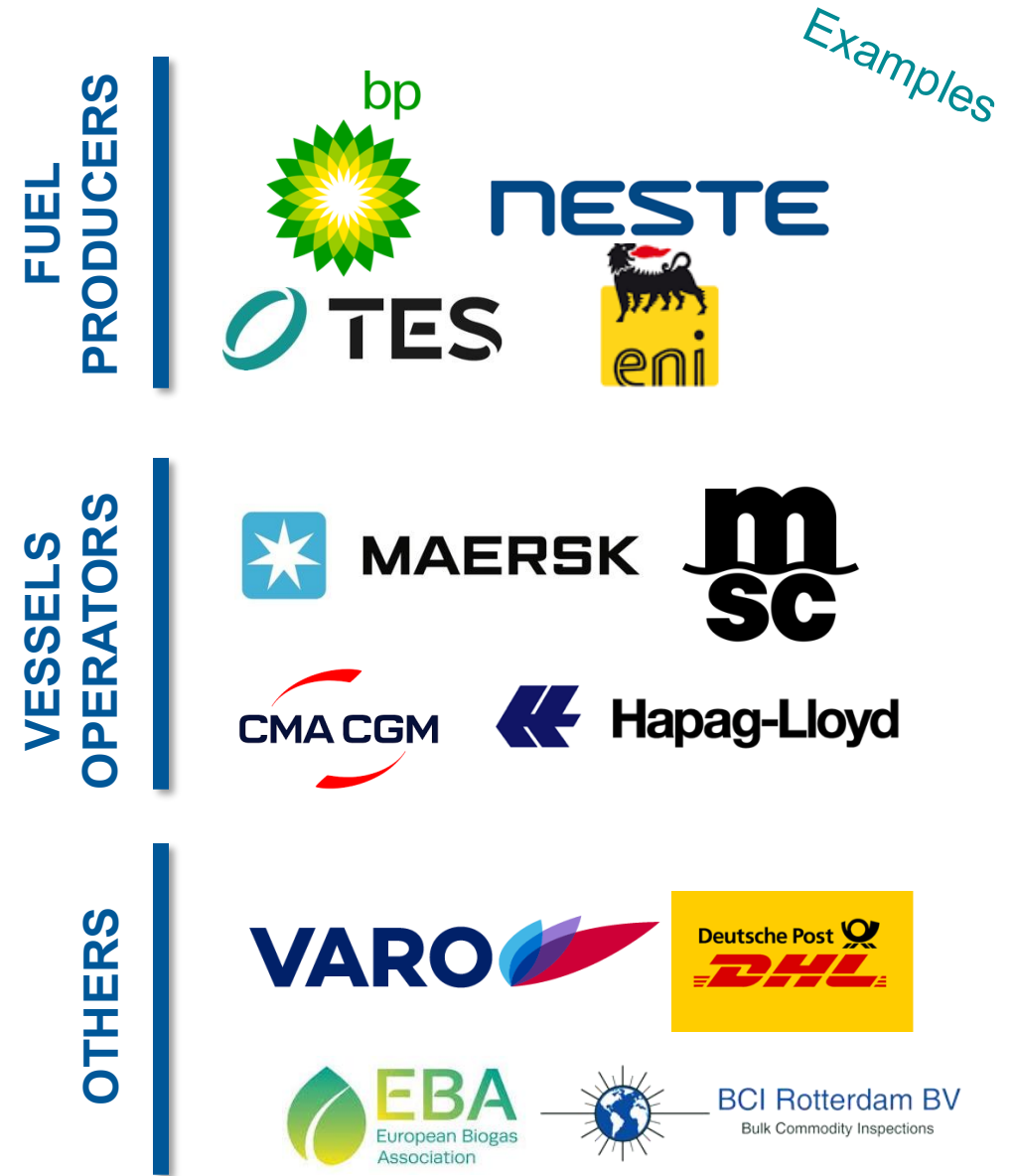


ISCC Update: Navigating Sustainability Certification for Marine Market

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*ISCC Technical Stakeholder Meeting Alternative Marine Fuels
May 8th, 2025, Online*



Powering AMF sustainability through certification – a key tool for compliance in regulatory & voluntary frameworks



FuelEU Maritime

- Builds on **certification of fuels as per EU RED**, i.e., under approved certification schemes **such as ISCC**
- Fuels not certified accordingly are considered to have the same emission factors as the least favourable fossil fuel pathway for the type of fuel in question

EU ETS

- Combustion of biofuels compliant with the EU RED criteria are rated with an **emission factor of zero**
- **Compliance** with EU RED criteria is **shown via certification** under approved schemes such as ISCC

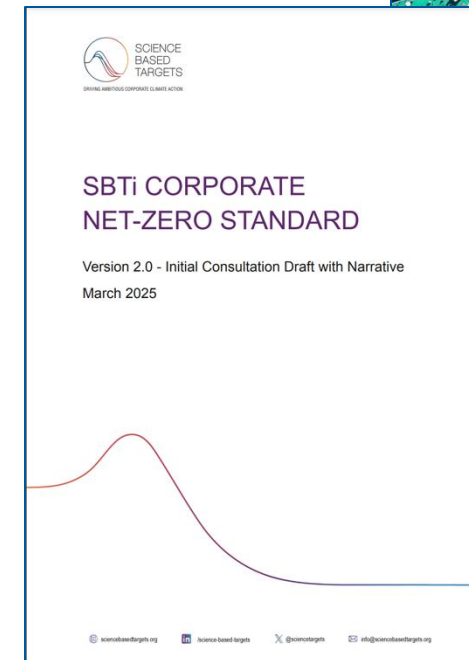
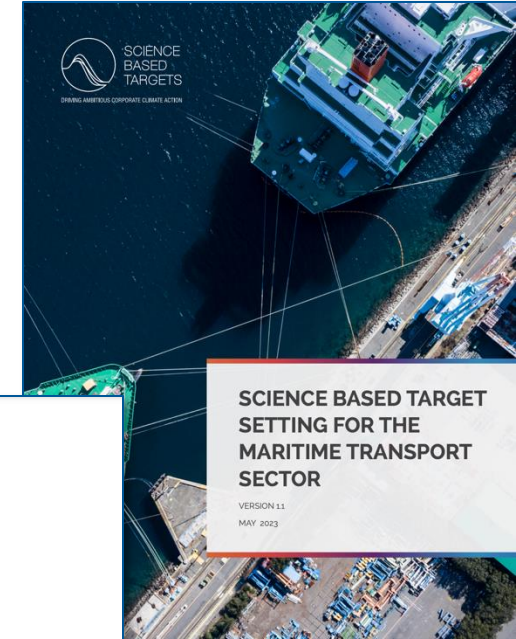


IMO LCA Guidelines

- The LCA Guidelines specify that the **fuel lifecycle label (FLL)** ‘needs to be **verified and certified by a third party**’
- Both **LCA/GHG Methodology** and **Sustainability Criteria/Themes** are envisioned
- **Certification schemes/standard are envisaged by IMO**
- The **certification “ecosystem”** is in line with the existing ones under other regulatory frameworks, e.g. EU RED, ICAO CORSIA

Powering AMF sustainability through certification – a key tool for compliance in regulatory & voluntary frameworks

- The **SBTi** has become an industry-leading platform for corporate climate actions – currently **10,000+ business with targets and commitments**
- Under SBTi, sustainability certification is largely envisioned:
 - In the 2023 version of the **SBTi Setting for Maritime Sector***, biofuels are envisioned as a key-lever to decrease GHG emissions
 - In the 2025 version of the **SBTi Corporate Net-Zero Standard**** (under consultation) “Companies using or producing biofuels for transport should support their bioenergy GHG accounting with **recognized biofuels certification**” is recommended



More and more companies decides to trust and certify their fuels under ISCC

Biofuel

Singapore-based Uni-Fuels receives ISCC certifications for biofuel trading

ISCC EU and ISCC PLUS certifications will ensure biofuels traded by Uni-Fuels Pte Ltd meet requirements of EU's RED II, including provision of PoS, enabling full traceability from feedstock to final product.



Published 3 months ago on February 13, 2025
By Admin

Source: MANIFOLD TIMES, Feb 13th 2025

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...

Source: QUANTUM, Feb 18th 2025

GREEN TECHNOLOGY

Towngas to Supply Green Methanol to Golden Island for Singapore Bunkering Operations



By Fuel Cells Works
April 4, 2025 at 9:25 AM EDT

Listen 4:05

Source: FUEL CELL WORKS, Apr 4th 2025

Uni-Fuels gets ISCC certifications to accelerate sustainable marine fuel trading

CERTIFICATION & CLASSIFICATION

Source: OFFSHORE ENERGY, Feb 12th 2025

Malaysian supplier bunkers containership with ISCC-certified biofuel

Source: OFFSHORE ENERGY, May 1st 2025

ISCC's primary certification systems for AMF

Combined audits are possible

ISCC EU



- Officially **recognized by the EU COM**
- Compliance with **EU RED sustainability criteria** and **GHG savings**
- ISCC EU certified AMF can be claimed under **EU ETS, FuelEU Maritime**

ISCC PLUS



- Primarily focused on **voluntary markets** and **some non-EU regulated markets**
- Applicable to fuels, food, feed, industrial applications
- Often used for AMF claims in **non-regulated markets**

ISCC CFC*



- Comply with specific rules and requirements to guarantee the comparability and **reproducibility of the PCF** results**
- Applicable for value chains with or without non-conventional feedstock or raw material (bio, bio-circular, circular and renewable feedstocks) –as a **stand-alone module or as a supplement to ISCC PLUS**

A large variety of already certifiable feedstock under ISCC can be used for the production of AMF

Agricultural feedstocks



Corn



Sugarcane



Rapeseed

Waste and residues



Tall Oil



UCO



PFAD

Non-bio feedstocks



Mixed Plastic Waste



End-of-life tires



Renewable electricity


Products certified already as of today under ISCC serving/can serve as AMF

Biomethanol
BioLNG
Biodiesel

eLNG (RFNBOs)
eMethanol (RFNBOs)
Hydrogen (RFNBOs)

HVO
Ammonia

EU COM officially recognised ISCC EU for the certification of RFNBOs* and RCFs**

	Official Journal of the European Union	EN L series
2024/3176		20.12.2024
COMMISSION IMPLEMENTING DECISION (EU) 2024/3176 of 19 December 2024 amending Implementing Decision (EU) 2022/602 as regards the recognition of the 'International Sustainability & Carbon Certification – ISCC EU' voluntary scheme for forest biomass, renewable fuels of non-biological origin and recycled carbon fuels		



RECOGNITION

- Official recognition in place as of 19th December 2024
- Already pre-recognized by Danish and German authorities



CERTIFICATES AND PILOT AUDITS

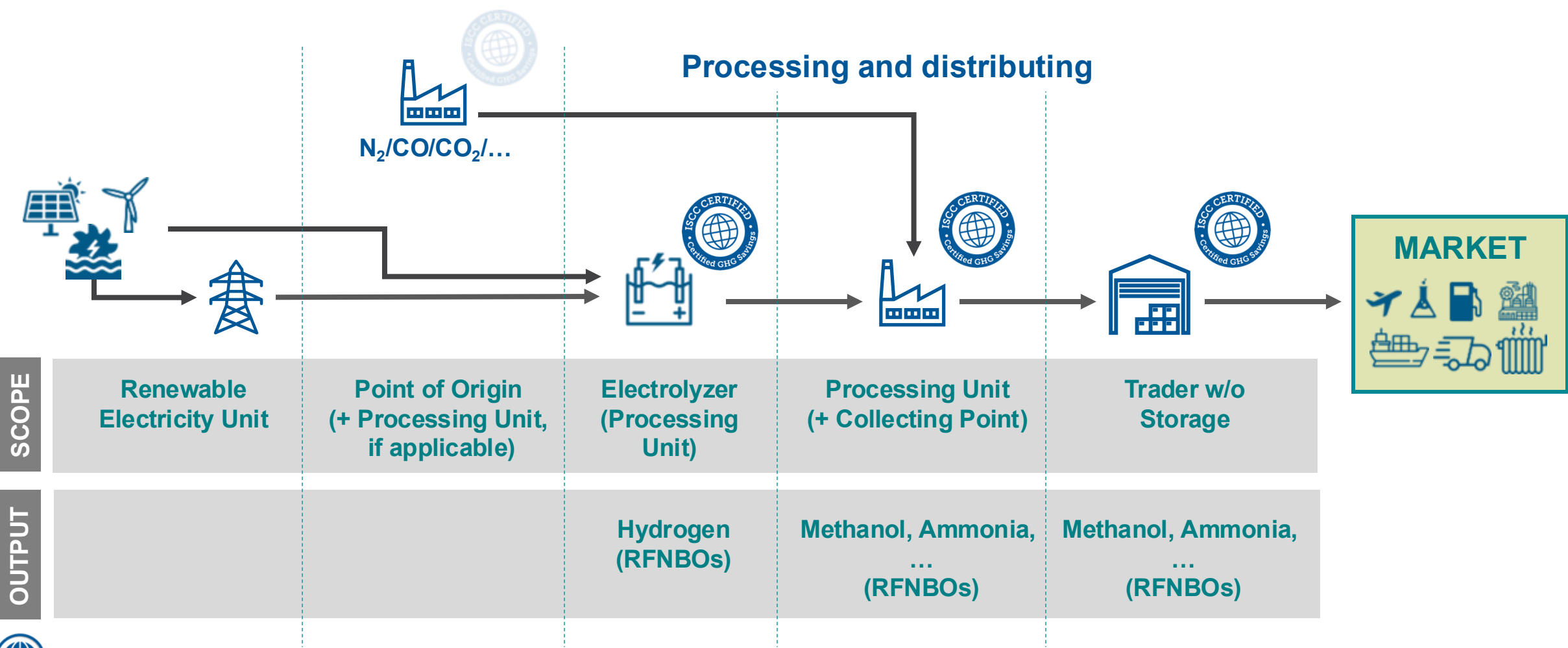
- Six certificates have been already issued and many others in the pipeline
- More than 20 pilot audits have been conducted



STAKEHOLDER ENGAGEMENT & TRAINING

- 150+ auditors trained in three ISCC RFNBOs Training
- +800 participants in RFNBOs events and TCs RFNBOs

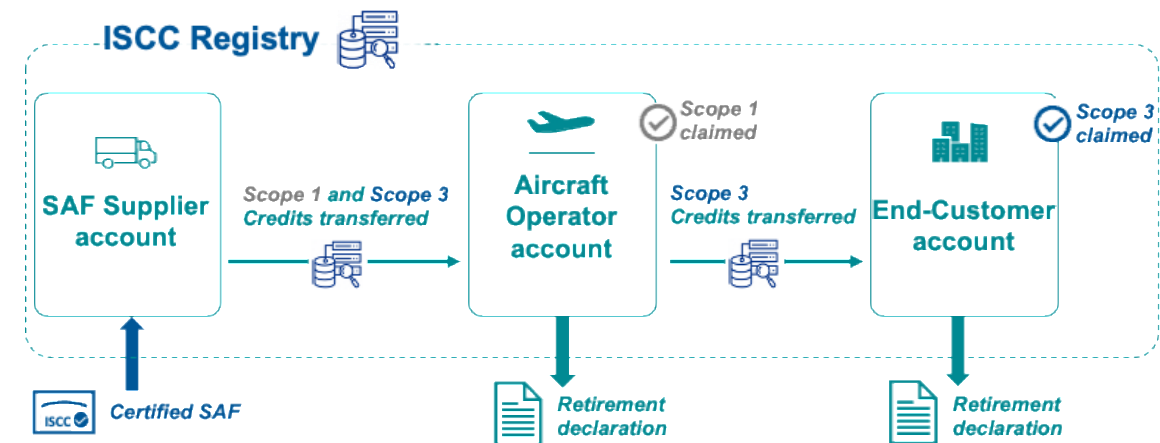
The supply chain shall be covered by certification – certification scopes reflect the operations of the economic operators



The ISCC Credit Transfer System

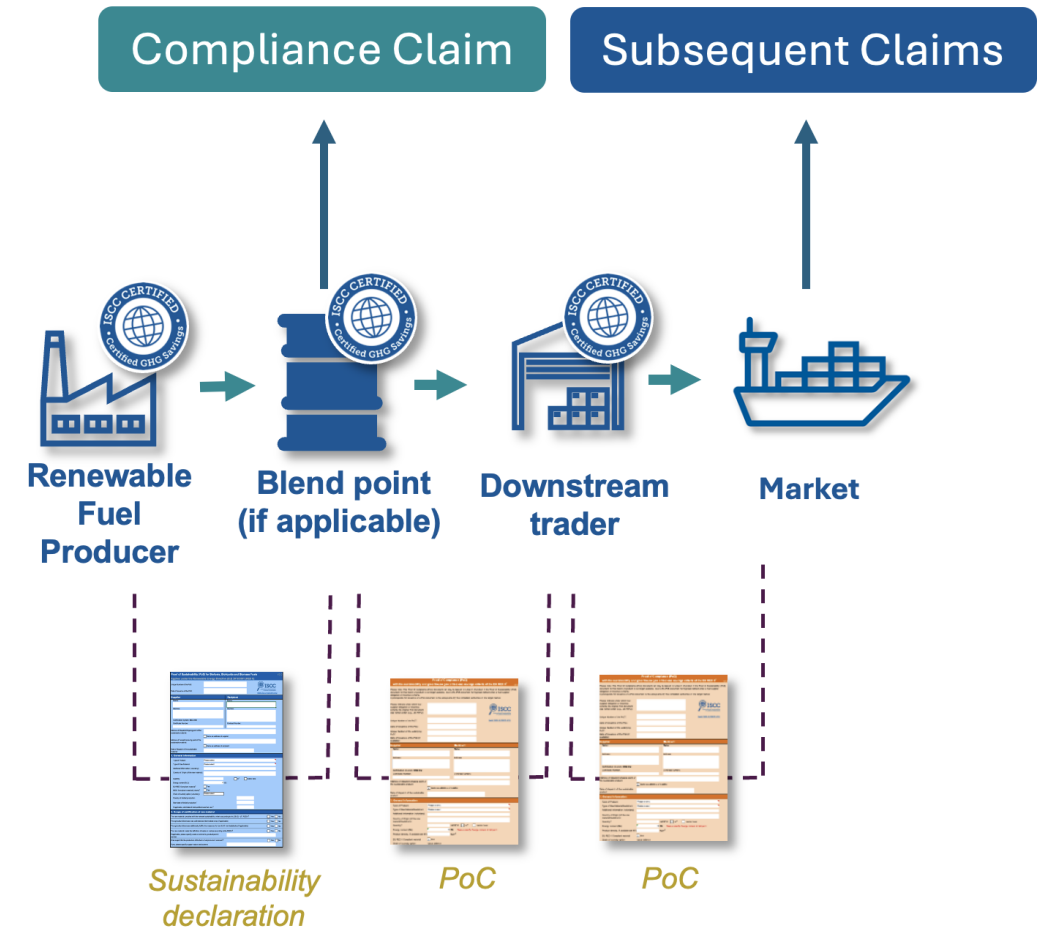
Built on strong collaboration and trusted partnerships with key stakeholders

- The ISCC Credit Transfer System connects **certified physical SAF supply chains** with the SAF claims by airlines and end-customers (i.e., Scope 1 and 3 claims)
- Together with key partner collaborations and agreements, ISCC is **fostering growth** and **shaping the global voluntary market** for aviation
- Functions as an **extension** of the current supply-chain certification system
- The System aims for both **transparency and credibility for SAF claims**:
 - Defining **clear rules** around SAF sustainability, credit transfers and SAF claims
 - Use of a **secure digital registry** for all SAF credit transfers and resulting claims
- ISCC currently exploring **expansion of CTS into Marine markets**



Targeting market challenges: The ISCC Proof of Compliance (PoC)

- ISCC, in collaboration with market leaders, **developed the Proof of Compliance (PoC) framework** to address **gaps in document traceability at downstream level within EU regulations**
 - Built on **existing PoS formats and processes**, ensuring consistency
 - **Clear auditing framework** (Guidance Document and Audit Procedures in place) and an additional PoC Trader scope
 - Further recognized within the United Kingdom, Germany, and Italy
 - Mentioned in the recently published ESSF Report on Marine Fuels Certification*
- Many **operators have successfully completed audits**, adding the PoC Trader scope to their ISCC certification





Certification of AMF: Key take-home messages

- Certification is a **crucial tool to show compliance** with **regulatory** (both regional and international) and **voluntary** frameworks
- ISCC consolidates its **position as frontrunner** in the certification of AMF from various bio and non-bio feedstocks
- The **recent official recognition for RFNBOs & RCFs** certification adds a further piece in the puzzle of certifiable fuels under ISCC (also relevant for the maritime sector)
- ISCC is committed to be recognized as **Sustainability Fuel Certification Scheme (IMO SFCS)** to provide a certification solutions to show compliance with IMO criteria
- ISCC actively supports **operationalization** of specific items in the supply chains (e.g. **PoC**)
- The **regulatory landscape for AMF is showing increased complexity** (not full alignment among different frameworks and certification standards)



Thank you!

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