

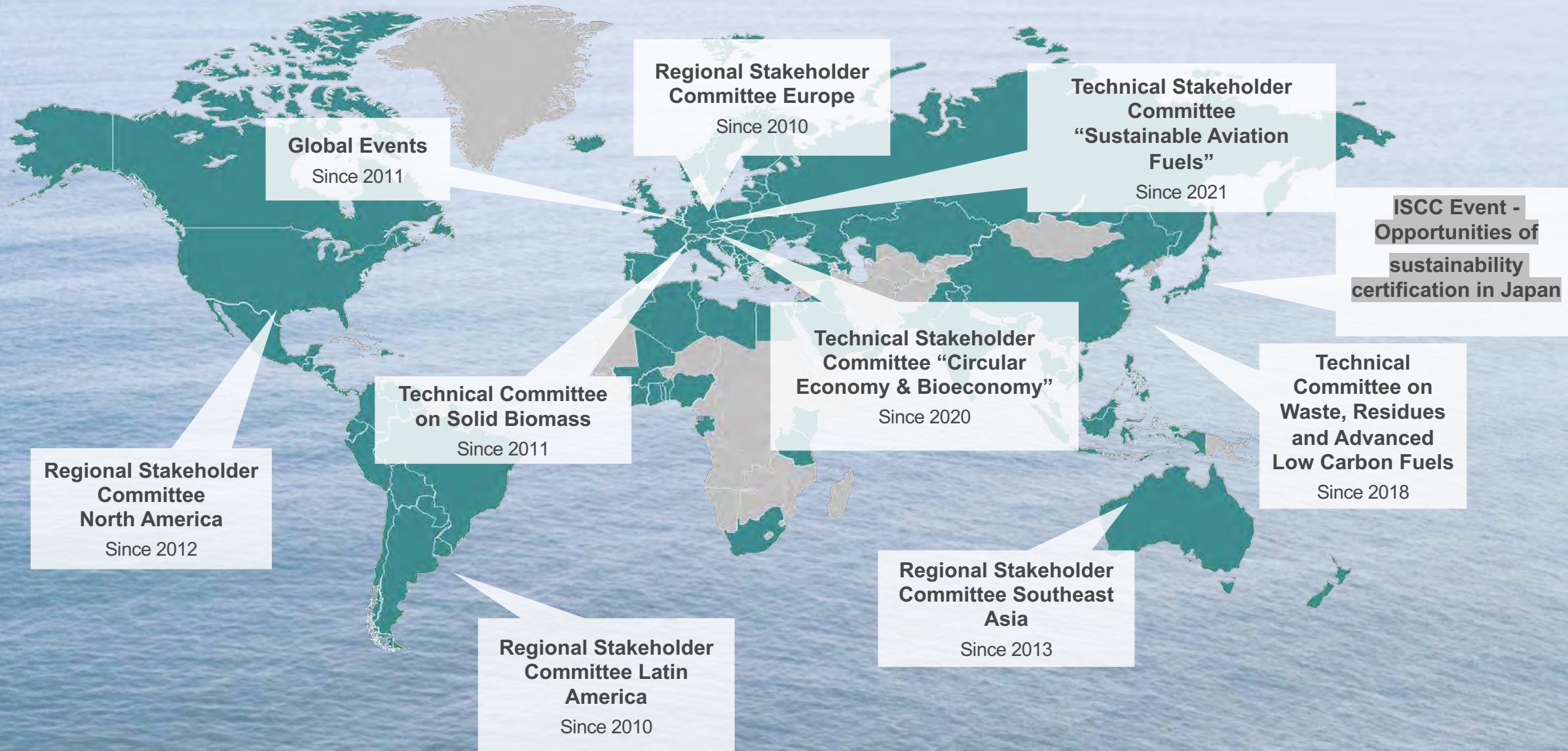


ISCC overview and market update Japan

Andreas Feige, Managing Director, ISCC System GmbH

ISCC Event – Opportunities of sustainability certification in Japan, Online Event, 12 October 2022

ISCC puts major emphasis on a regular and regional stakeholder dialogue



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



ISCC is a well-established and credible certification standard



ISCC certification ensures sustainability and GHG emissions reductions along global supply chains

ISCC Certification ensures



Sustainability in raw material production



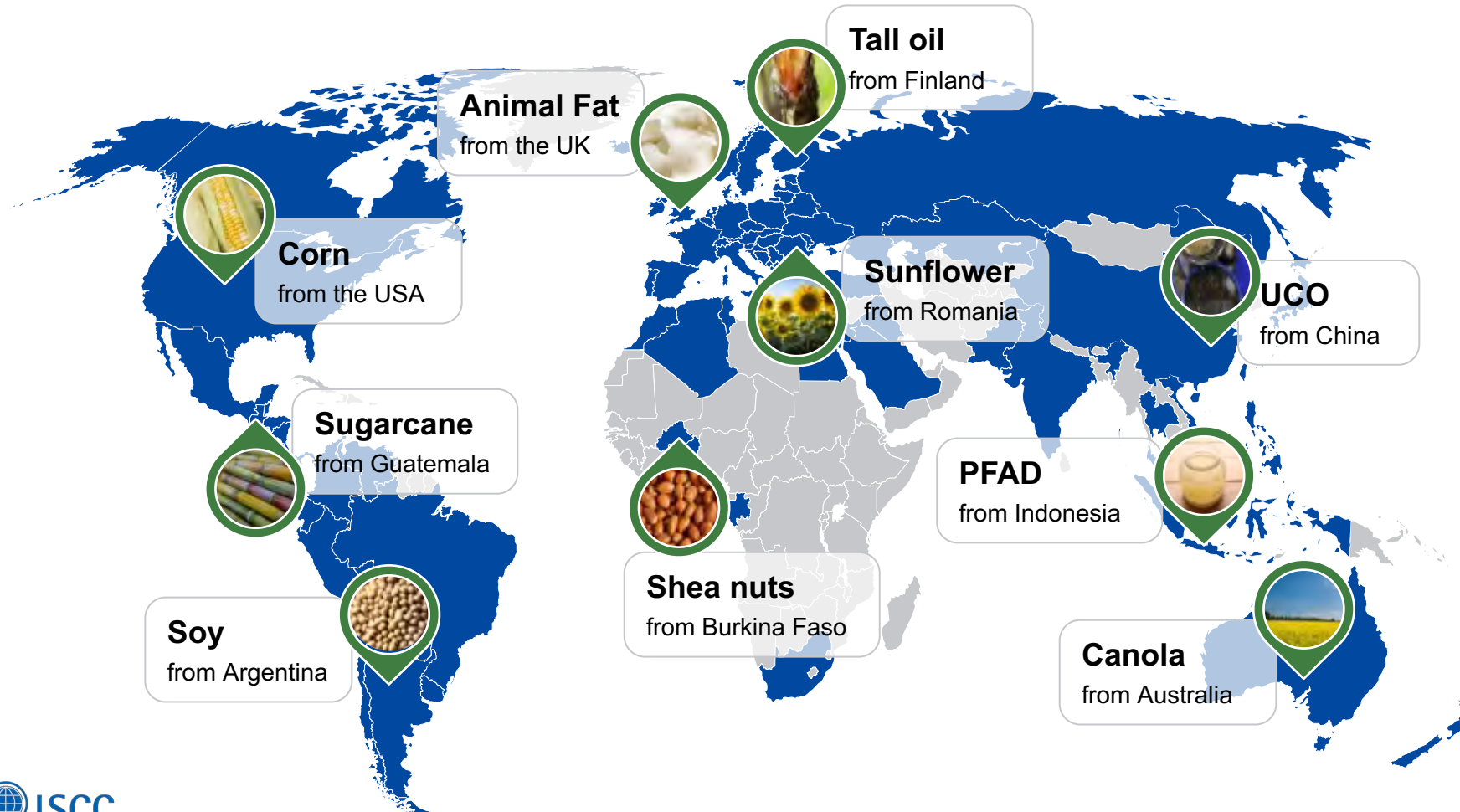
Traceability of sustainable materials through the supply chain



Verified reduction of GHG emissions

ISCC is a leading certification scheme applied in over 100 countries with almost 6,000 certified companies

Examples



ISCC certifies all sustainable feedstocks for all markets



Food



Feed



Energy



Industrial Applications

All kinds of agricultural and forestry feedstocks can be certified under ISCC

Examples



Soy



Rapeseed/
Canola



Palm



Sunflower



Cereals



Corn



Sugarcane



Sugarbeet



Wood



Cotton



Shea Nuts



Camelina

In addition, ISCC is the leading system for the certification of waste and residues and focuses on innovative feedstocks

Examples

Waste and processing residues



Used cooking oil



Landfill gas



Tall oil



End-of-life tyres



Municipal solid waste / mixed plastic waste



Crude glycerine

Renewable non-bio feedstocks



Renewable electricity



CO2

Forestry / agricultural crop residues



Forestry residues



Husks

Straw

ISCC offers three certification systems, application depending on the market

ISCC EU



- Applicable for **sustainable fuels used for transport, electricity, heating and cooling in the European Union**
- To demonstrate compliance with the EU's sustainability criteria for biofuels, bioliquids and biomass fuels set out in the RED II

ISCC PLUS



- Application for **voluntary** and certain **regulated markets**
 - Energy and biofuels outside the European Union (e.g. Japan, Australia)
 - Industrial applications
 - Food and feed markets

ISCC CORSIA



- Applicable for **sustainable aviation fuels under ICAO CORSIA**
- To **demonstrate compliance** with the sustainability and GHG criteria for CORSIA eligible fuels

ISCC EU, ISCC PLUS and ISCC CORSIA are stand-alone systems. Combined audits are facilitated by harmonized system elements

ISCC EU



ISCC PLUS



ISCC CORSIA



Multi-stakeholder organisation



Quality and risk management



Integrity Program



Requirements for certification bodies



Requirements for conducting audits

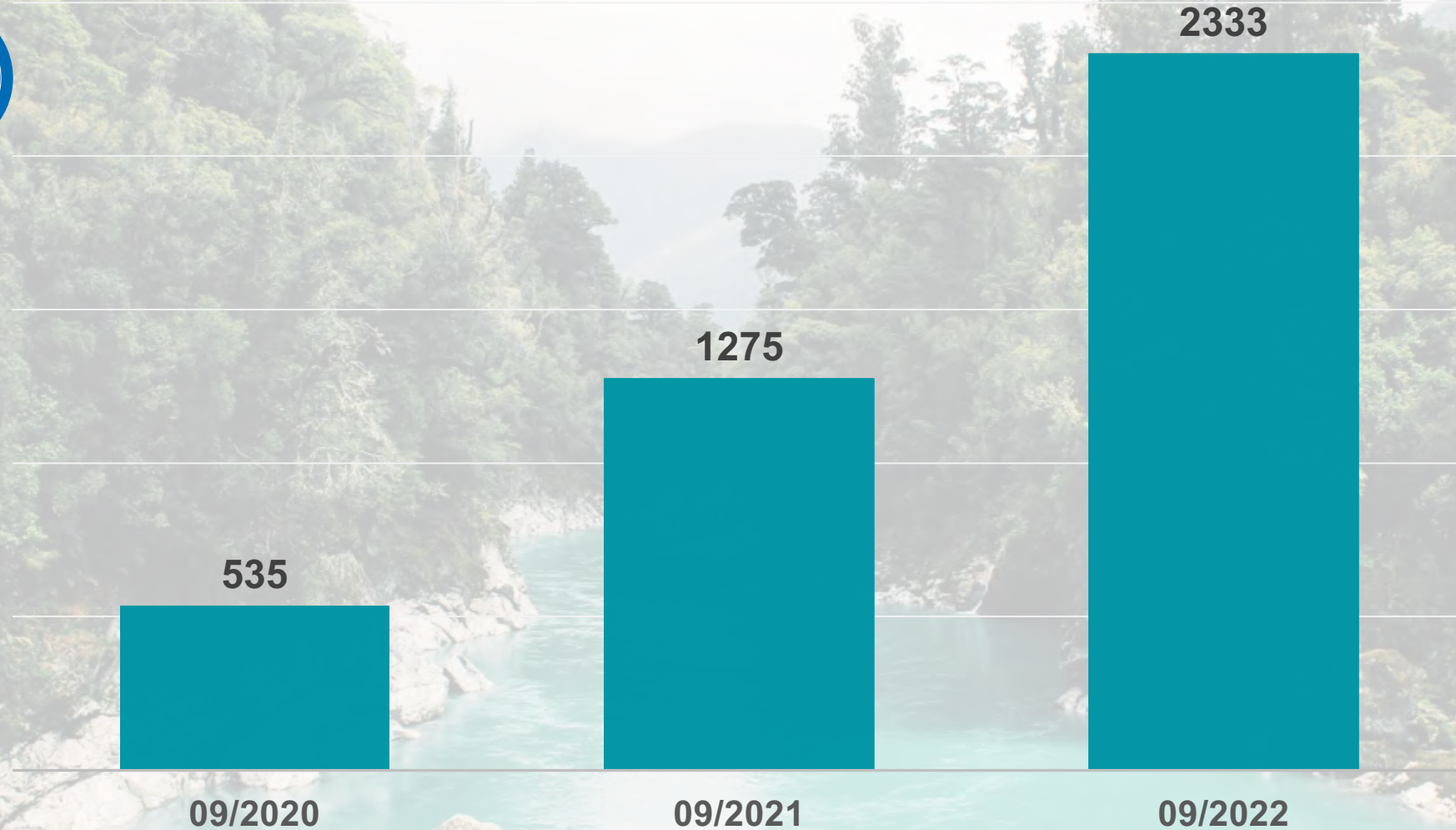


Registration and certification process

The amount of ISCC certified companies increases significantly since several years



Valid ISCC PLUS Certificates





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

On-product logo already used by AEON in Japan



ISCC certification in Japan – Development, status quo and outlook



Development and status quo

- Since 2012, 187 ISCC certificates for Japanese companies were issued:
 - ISCC EU: 107 (19 currently valid certificates)
 - Certificates are mostly related to waste/residues (e.g. UCO and UCO based biofuels)
 - ISCC PLUS: 80 (65 currently valid certificates)
 - Certificates are mostly in the chemical sector

Outlook

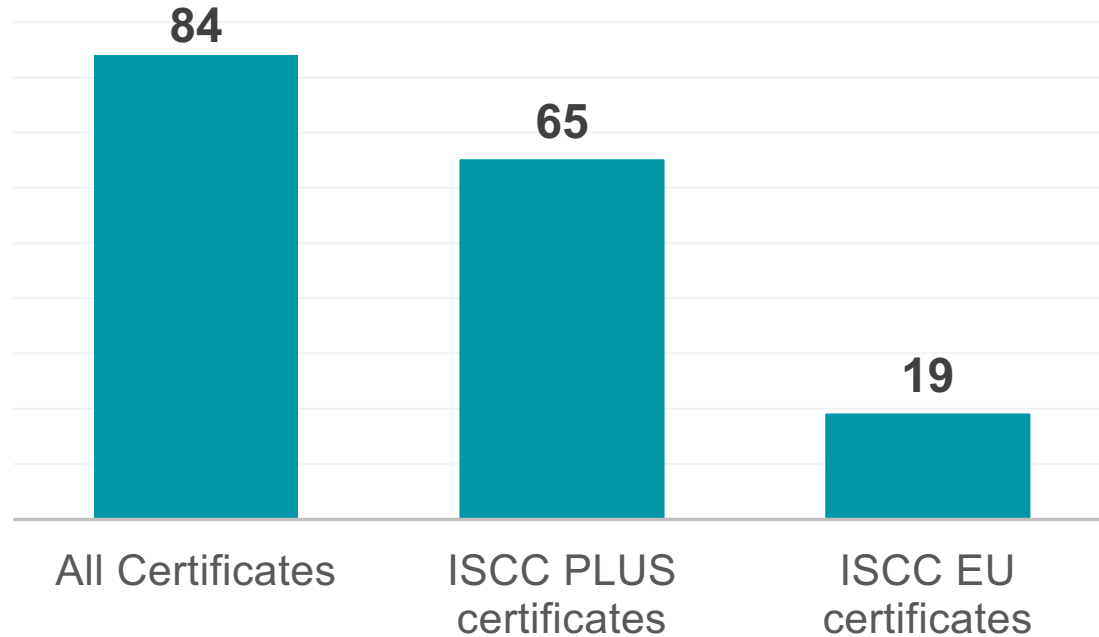
- As Japan's chemical industry is the fourth largest worldwide*, credible sustainability certification for circular and bio-based feedstocks and products will be of further increasing importance
 - ISCC PLUS certification expected to remain main driver of positive development of ISCC certification in Japan
- For power generation, the Japan FIT (feed-in-tariff-system) sets incentives for the use of renewable feedstocks that must comply with sustainability requirements
 - ISCC has set up certification standards to cover selected feedstocks for power generation from renewable sources
- More Certification Bodies cooperating with ISCC are becoming active in Japan which improves the access to ISCC certification for Japanese companies

* Source: www.statista.com

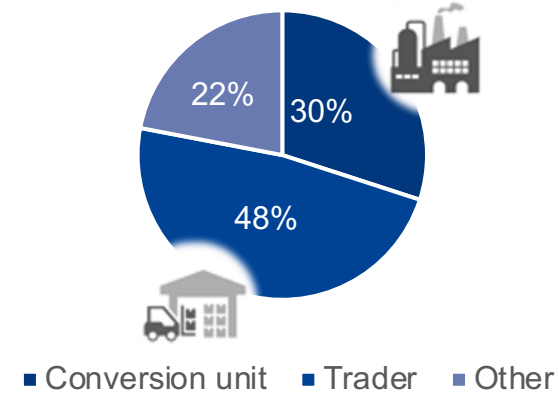
Current numbers of ISCC certificates in the Japanese market



Current valid ISCC certificates in the Japanese market*



Scope ISCC PLUS certificates*



Issued by CBs:

- China Quality Certification Centre (CQC)
- Control Union Certifications Germany GmbH
- DIN CERTCO Gesellschaft für Konformitätsbewertung
- mbH, Berlin
- SCS Global Services,
- SGS Germany GmbH
- Trans Certification International Sdn Bhd

* Numbers as of September 2022

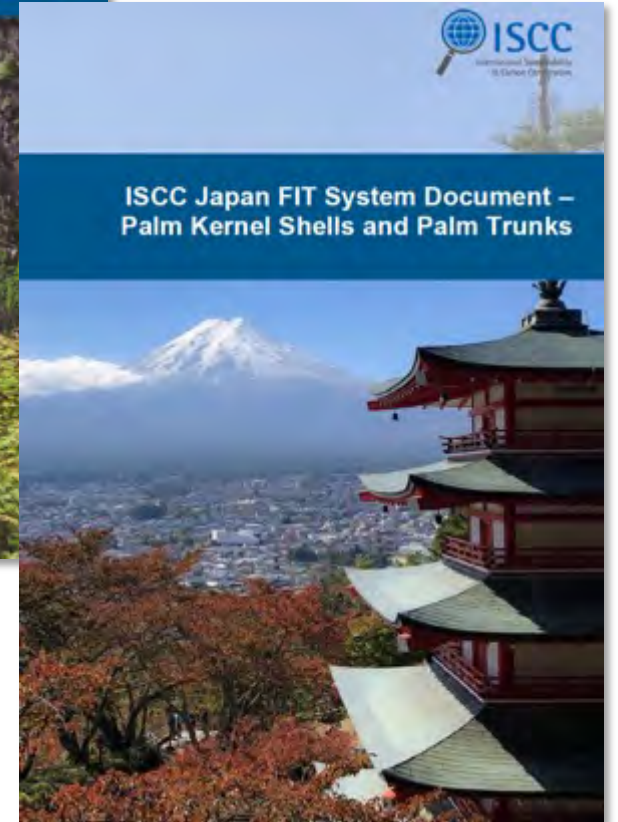
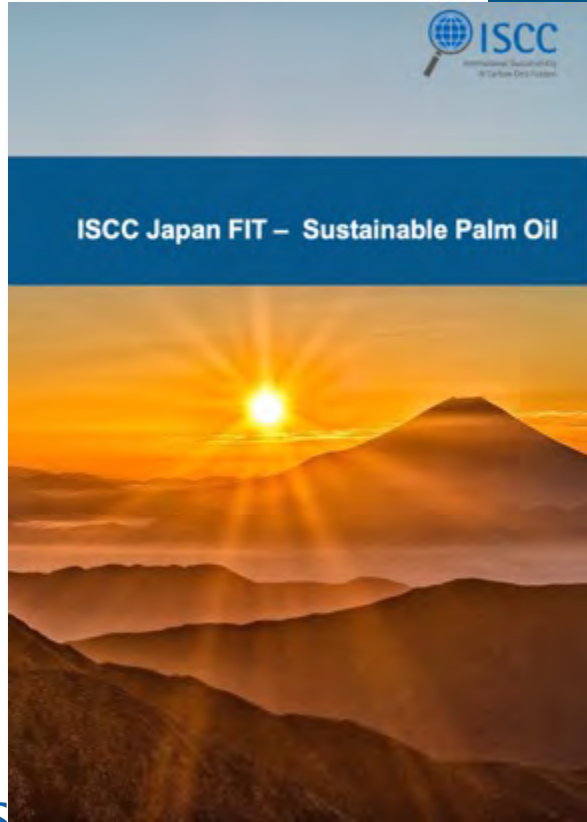
Each certificate may be issued for more than one scope/type of operation

ISCC approaches to certify sustainable palm oil, palm kernels shells and palm trunks in accordance with Japan FIT requirements for power generation

Recognition by METI* pending



Recognised by METI* since April 2022



* Japanese Ministry Economy Trade and Industry



Thank you for your attention!

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