



Compliance Support For Green Fuels 绿色燃料的合规性支撑

23rd April, 2025

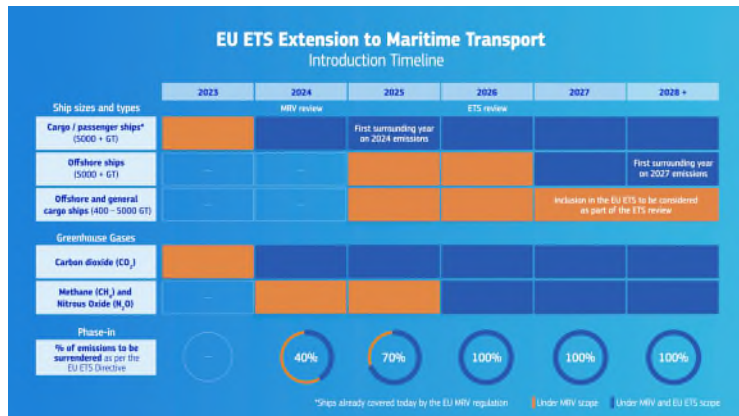


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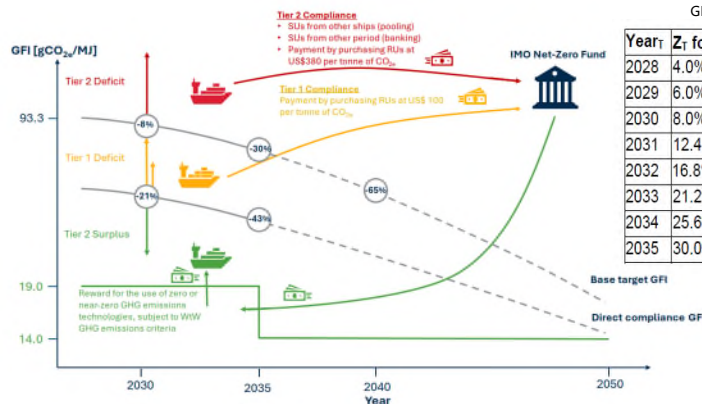
Policies About Green Fuels 绿色燃料相关政策



EU ETS



IMO

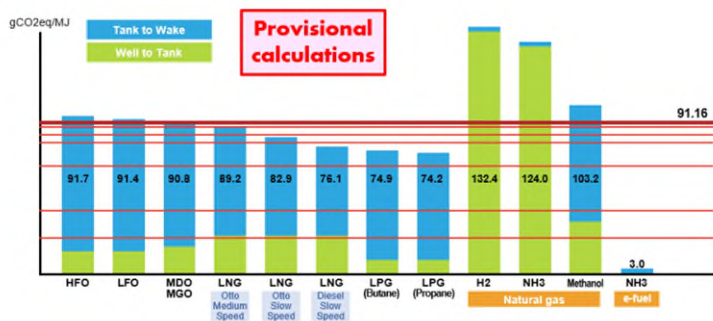


GFI基础目标

GFI直接合规目标

Year	Z ₁ for Base target	Z ₁ for Direct compliance target
2028	4.0%	89.57
2029	6.0%	17.0%
2030	8.0%	85.85
2031	12.4%	25.4%
2032	16.8%	29.8%
2033	21.2%	34.2%
2034	25.6%	38.6%
2035	30.0%	43.0%
	65.31	53.18

Overview of GHG intensity of each fuel and limits 每种燃料的温室气体强度和限值概述



FuelEU



	重燃油	汽油/柴油	轻燃油	化石甲醇	化石LNG	绿色甲醇	绿色LNG
	HFO	MGO/MDO	LFO	Fossil Methanol	Fossil LNG	Green Methanol (WTW=8.7 gCO ₂ e/MJ)	Green LNG (WTW=12.8 gCO ₂ e/MJ)
ETS - EURO/MT	249	256	252	110	220	TBD	TBD
FuelEU - EURO/MT 欧元/公吨							
2025 - 2029 (-2%, 89.34)	59	36	50	128	0	0	0
2030 - 2034 (-6%, 85.69)	153	136	146	171	0	0	0
2035 - 2039 (-14.5%, 77.94)	354	350	350	261	0	0	0
2040 - 2044 (-31%, 62.90)	743	765	746	435	409	0	0
2045 - 2049 (-62%, 34.64)	1474	1544	1489	763	1517	0	0
2050 - (-80%, 18.23)	1899	1997	1920	953	2160	0	0

Objective 目标



ISCC offers globally applicable certification schemes for a wide range of feedstocks and markets

ISCC 为广泛的原料和市场提供全球适用的认证计划

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

ISCC 认证确保全球供应链的可持续性和温室气体减排

ISCC certification ensures ISCC认证确保



Sustainability in feedstock production
原料生产的可持续性



Traceability of sustainable materials
through the supply chain
供应链中可持续材料的可追溯性



Verified reduction of GHG emissions
验证 GHG 减排量

Markets 市场



Energy

Transport



Road



Aviation



Maritime



Food



Feed



Industrial applications

Heating

Cooling

Electricity

RED



ISCC EU shows compliance with RED II in all EU Member States



ISCC EU provide compliance with RTFO and SAF mandate in UK.

Current Other



ISCC CORSIA for sustainable aviation fuels under ICAO CORSIA



ISCC EU or PLUS for compliance with Liquid Fuel Supply Regulation in Queensland



Recognition for AIREG – Aviation for renew. energy in Germany



ISCC PLUS for Japanese ethanol sustainability requirements



ISCC Japan FIT for selected feedstocks for power generation from renewable sources in Japan



System "Solid Biomass NL" for compliance with Dutch legal sustainability requirements

Feedstocks 原料



A wide range of raw materials can be ISCC certified, including biobased feedstocks, recycled materials and renewables ISCC 可认证的原料范围广泛，包括生物基原料、回收材料和可再生原料



Corn



Rapeseed

Bio



Tall Oil



UCO

Bio-circular



Mixed Plastic Waste



End-of-life tyres

Circular (technical)



Renewable electricity

Renewable



Sugar cane



Cotton



Forestry residues



Straw



Waste textiles



CO₂ (post-industrial)



Green hydrogen as energy carrier

Main Certification Schemes 主要的认证计划



ISCC offers different certification systems, application depending on the market
ISCC 提供不同的认证系统，应用取决于市场

ISCC EU



Applicable for **sustainable fuels used for transport, electricity, heating and cooling in the European Union**

适用于欧盟范围内的可持续能源
(用于交通、电力、供热与供冷)

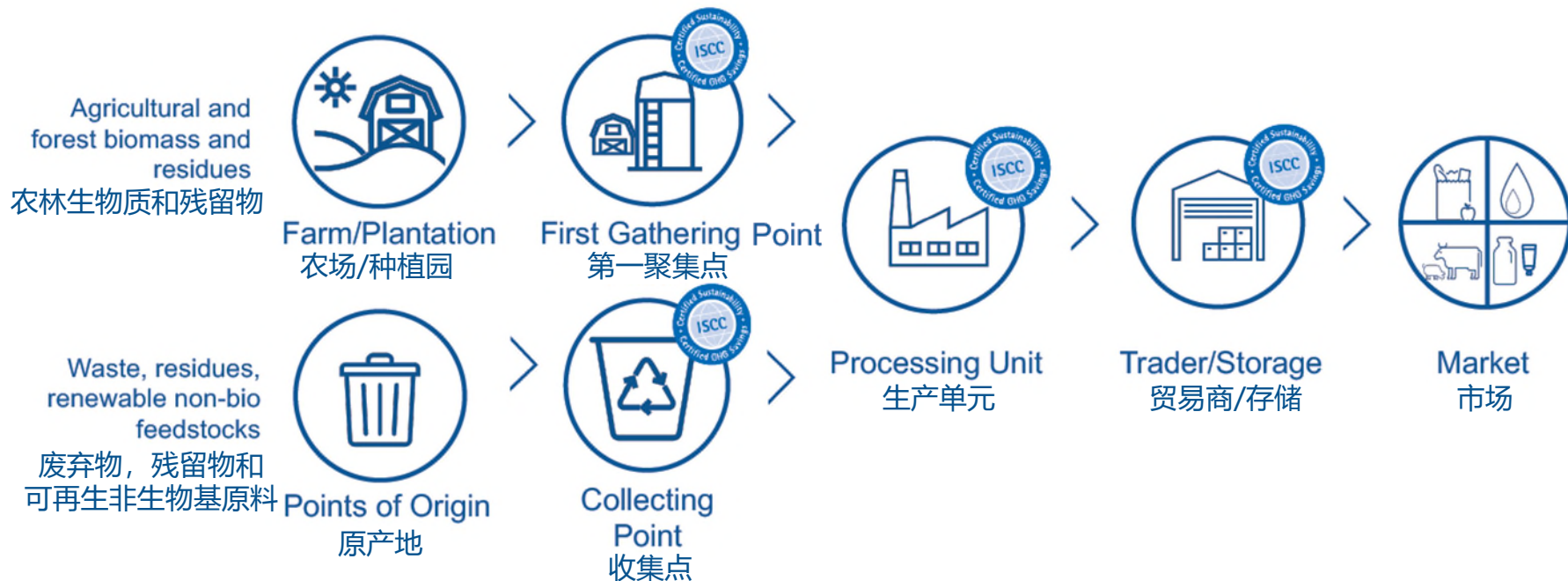
ISCC PLUS



Applicable for **energy outside European Union and Industrial, Food and feed markets**

适用于欧盟范围之外的能源
以及工业、食品与饲料市场

Supply Chain Elements 供应链元素



Applications In SMF 可持续海运燃料领域的应用



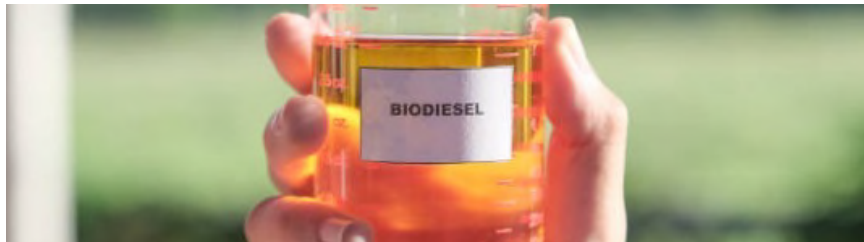
Products that could serve as alternative fuels for shipping are certified under ISCC
可用作海运替代燃料的产品已获得 ISCC 认证



Bio-methanol 生物甲醇



Bio-LNG 生物天然气



Biodiesel 生物柴油



Green hydrogen and derivatives 绿氢及衍生物

Compliance Support In SMF 可持续海运燃料的合规性支撑 RINA



ISCC is ramping up its efforts to support the maritime sector in its sustainability transition ISCC 正在加大力度支持海事领域进行可持续发展转型

- With regulations such as the EU's FuelEU Maritime on the horizon, interest in **more sustainable solutions for the maritime sector** is growing. 随着欧盟 FuelEU 海事法规的出台，人们对海事领域更可持续解决方案的兴趣日益浓厚。
- **Major producers of alternative marine fuels already ISCC certified** and engage within the ISCC system to drive forward sustainable solutions for the maritime sector. 替代船用燃料的主要生产商已获得 ISCC 认证，并参与 ISCC 体系，以推动海事部门的可持续解决方案。
- ISCC has held two successful **Stakeholder Meetings on Sustainable Marine Fuels (SMF)** with more than 330 participants, highlighting the role ISCC is playing in the transition towards cleaner oceans through the progression of innovative solutions. ISCC 已成功举办了两次可持续船用燃料（SMF）利益相关者会议，有 330 多名参与者参加，凸显了 ISCC 通过推进创新解决方案在向更清洁海洋过渡中发挥的作用。
- ISCC provides input to operationalize the certification framework around the upcoming FuelEU Maritime Regulation. ISCC 为围绕即将出台的 FuelEU 海事法规实施认证框架提供意见。

Thank you!



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