

REGIONAL GREEN AIRPORTS SEMINAR

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RSB SAF Certification: Fuelling Aviation Responsibly and Sustainably





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Roundtable on Sustainable Biomaterials

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RSB Principles & Criteria



Context

Why sustainability and certification matter?

Responding to the climate and
resource crisis

Ensuring credibility and
accountability

Guiding ethical and just
development

Supporting market access and
policy compliance

Empowering companies to
take real action



P&C context: A foundation for sustainable impact

Sustainability framework



Robust and credible, co-developed with RSB members.
Trusted and peer-reviewed.

12 Principles & Criteria



Globally recognised best practices for bio-based & circular systems.

Climate & SDG Alignment



Drives climate solutions & supports the UN Sustainable Development Goals (SDGs) for a just and sustainable development.

The 12 Principles & Criteria are the core of our globally recognised sustainability framework, and the foundation for all RSB activities and certification schemes.



GENERAL OVERVIEW OF THE 12 RSB PRINCIPLES

Legal & Rights-based

Management

Environmental

Social



Certification System



RSB Certification

RSB is **recognized by the aviation and ENGO sector** as the “golden sustainability standard” for sustainable biofuels, setting **robust & credible systems**.

1 RSB goes above and beyond regulatory compliance

- Recognition for EU RED & ICAO CORSIA
- RSB’s strength is in setting higher social and environmental STDs for companies who want to set themselves apart
- RSB Global STD, Sustainability Impacts Claims

2 RSB has 12 Principles & Criteria defining its core social & environmental values

- From land rights to food security and GHG emission reduction
- RSB certified supply chains must be in line with the P&C and mitigate any social and environmental risks.

3 Flexibility in the scope of certification: adapting to the needs of economic operators

- Possibility of full supply chains to be certified & more options for operators on the application of the audit, adapting to the needs of the client.

3

Third party Oversight Body (SAJOMA Climate) Claims (*information*)

- Monitoring the CB activities and performance
- Safeguarding the credibility and integrity of RSB system.

5

Strong emphasis on Due Diligence & Risk Mitigation

- Self-risk assessment using RSB’s Risk Assessment Tool: identify your risk class and audit frequency
- Social and Environmental Plan detailing risk mitigation actions

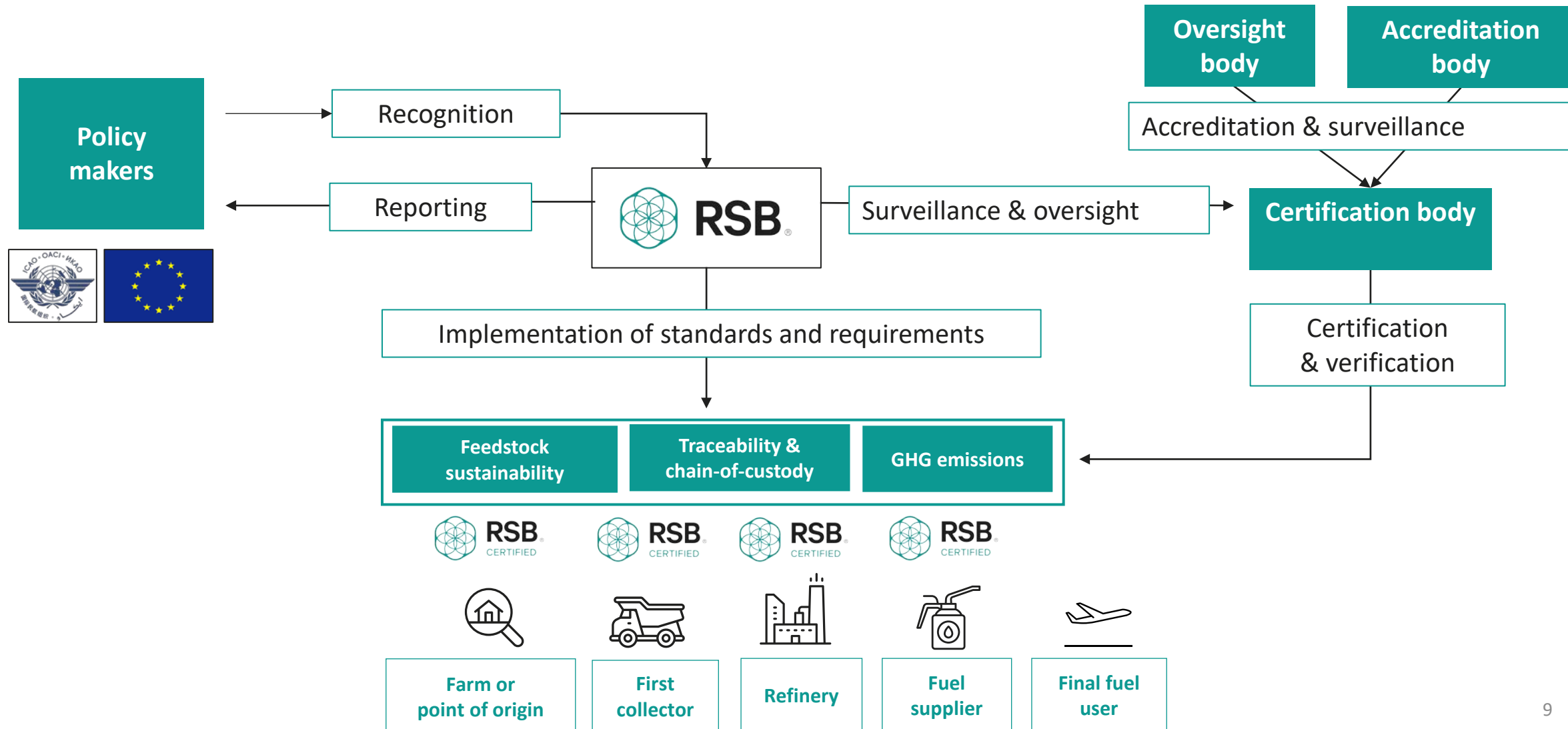
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Membership & Research Think Tank

- Global membership bring social, environmental and economic stakeholders together: building the credibility of RSB among CBs
- Research on Feedstock assessment to support the industry



The certification system



Pillars of Sustainability Certification

Management System

- **Clear responsibilities of staff pertaining to all relevant RSB requirements**
- **Yearly internal audit** conducted and results kept for check by auditor
- **Written commitment by Management** to comply with relevant rules

Sustainability

- **Meet the RSB 12 Principles and Criteria – Industrial and Agricultural sites**
- Meet social, legal & rights-based, environmental and management practices for sustainable production in a bio-based supply chain

GHG emissions calculation

- **Availability, completeness and correctness of GHG calculation**
- Appropriate use of **emission factors** and **Correct indication of GHG emission value on sustainability documents** (e.g., on Proof of Sustainability)

Traceability and chain of custody system

- **Record of documentation** (e.g. Proofs of Sustainability documents, delivery documents, contracts, weighbridge tickets, etc.)
- Fit-for-purpose **traceability and mass balance system**



RSB certification schemes

	 RSB Global Fuels & Advanced Products	 RSB EU RED	 RSB CORSIA	Japan FIT
Sustainability requirements	RSB Principles and Criteria 			
Type of claim	Voluntary	Regulatory; linked to EU RED targets	Regulatory; linked to ICAO CORSIA targets	Regulatory; linked to METI targets
Scope	Fuels and materials produced from biocircular feedstock	Renewable fuels and energy produced with bio-based feedstock and RCF/RFNBOs	SAF from bio-based feedstock and waste gases	Bio-based wastes and residues from agri industry for energy production
Renewable input allocation	Across all outputs, based on energy or economic value. Flexible attribution options.	Across all outputs, based on energy value (LHV).	Across all outputs, based on energy value (LHV).	Across all outputs, based on energy value (LHV).
GHG reduction threshold	Fuel: 60% (65% after 2021) RCF/RFNBO: 70% Products: 10%	60% (65% after 2021) RCF/RFNBO: 70%	50% core LCA (10% LCA+ILUC)	50% (70% after 2030)
Fossil baseline	Fuel: 90g CO ₂ e/MJ Products: fossil comparator	94g CO ₂ e/MJ RCF/RFNBO:	89g CO ₂ e/MJ	180 g CO ₂ /MJ electricity





RSB ICAO CORSIA



CORSIA themes covered by the RSB P&C

GHG	CORSIA SAF = 10% reduction	RSB Principle 3	
Carbon stock	CORSIA should not be made from biomass obtained from land with high carbon stock.	RSB Principle 7	
Water	Production of CORSIA SAF should maintain or enhance water quality and availability	RSB Principle 9	
Soil	Production of CORSIA SAFs should maintain or enhance soil health.	RSB Principle 8	
Air	Production of CORSIA SAF should minimise negative effects on air quality	RSB Principle 10	
Conservation	Production of CORSIA SAF should maintain biodiversity, conservation value & ecosystem services.	RSB Principle 7	



CORSIA themes covered by the RSB P&C

Waste & chemicals	Production of CORSIA SAF should promote responsible management of waste and the use of chemicals.	RSB Principle 11	
Human rights	Production of CORSIA SAF should respect human and labour rights.	RSB Principle 4	
Land-use rights	Production of CORSIA SAF should respect land rights and land use rights including indigenous and/or customary rights.	RSB Principle 12	
Water-use rights	Production of CORSIA SAF should respect prior formal or customary water use rights.	RSB Principle 9	
Local development	Production of CORSIA SAF should contribute to social and economic development.	RSB Principle 10	
Food security	Production of CORSIA SAF should promote food security in food insecure regions.	RSB Principle 6	





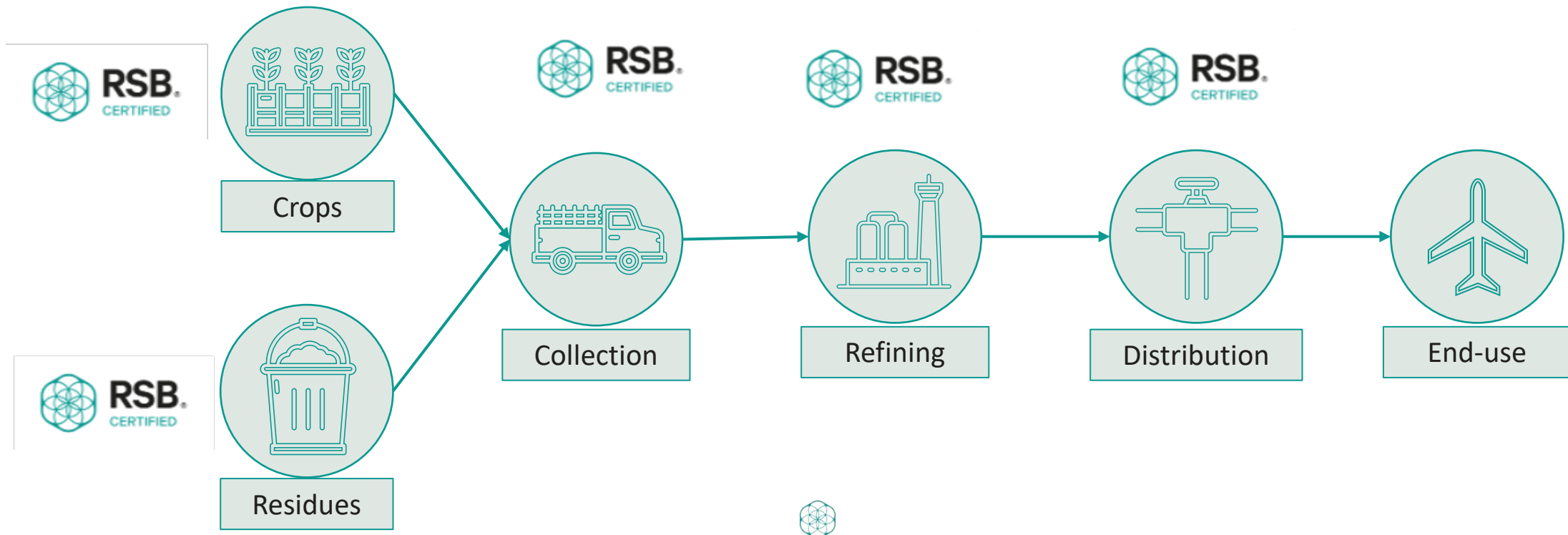
Chain of Custody



Chain of Custody system

The entire supply chain must be certified for the final product to carry a claim.

Each movement of the product along the supply chain needs to be accounted for and tracked.
This is called the Chain of Custody.



Proof of Sustainability (PoS)

- With each shipment along the supply chain an **RSB Operator should include a proof of sustainability (PoS) document.**
- The proof of sustainability (PoS) shall include the **product information** described in the chain of custody standard – Annex 1.
- **The operator may use regular sales documentation** (invoices, bill of lading etc.) instead of the PoS provided it includes the product information described in the Chain of Custody Standard ([RSB-PRO-11-001-20-001](#)).

Proof of Sustainability (PoS)	
Batch ID Number:	Batch_ID_2460101
Number of the Delivery Note	Invoice_2460101
Date of Shipment:	02-Jun-23
Date of Issuance:	02-Jun-23
	
Supplier (name of certified operator who issue the PoS)	
Name:	Address:
Sustainable Aviation Fuel Ltd	01 London Square, London UK
Supplier - site from which the product is forwarded (if different from the supplier above)	
Name:	Address:
N/A	N/A
Customer	
Name:	Address:
Good Aviation Company Plc	01 Geneva, Switzerland, SW123 XYZ
Information if site is managed by a third party (in case of warehouses, distributors centers etc.). May it is not applicable	
Name:	Address:



Key Takeaways



Credibility and Integrity at the core of the RSB system

RSB certification as a **tool to mitigate risks across supply chains** and **demonstrate credibility** from a third-party perspective



RSB counts with third-party recognition from International Civil Aviation Organization (ICAO), European Commission & others

As well as having its own Voluntary Standards in place, for industry leaders.



Global demand for SAF is increasing: need to ensure sustainability

Driven by global policies as well as by corporate demand.



Thank you!

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