



2024 ICAO LTAG STOCKTAKING

7 — 10 OCTOBER 2024

ICAO HEADQUARTERS, MONTREAL, CANADA



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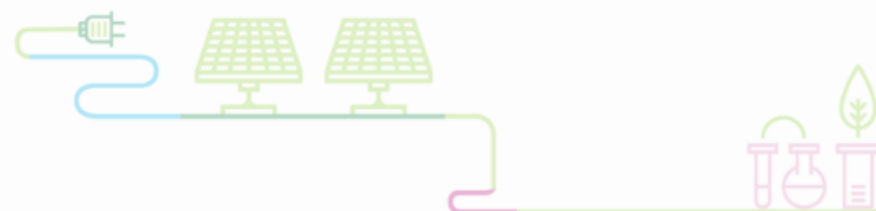
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Max Eichelbaum

Digital Solutions Lead
RSB – Roundtable on Sustainable Biomaterials

Session



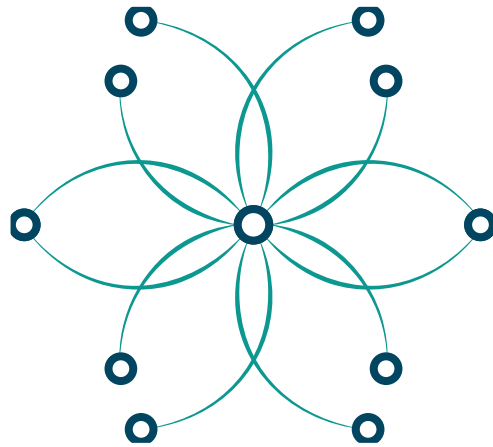
The world we are trying to create

A collaborative network that accelerates the just and sustainable transformation to a bio-based and circular economy ...



... where climate change has been mitigated, biodiverse ecosystems have been restored, and livelihoods have been enhanced.

Our mission



To advance the just and sustainable transition to a net-positive world, in collaboration with global partners from industry, civil society, policymakers and academia.

Our activities



Certification

Providing clarity on what good looks like



Programmes

Building capability to make change happen



Community

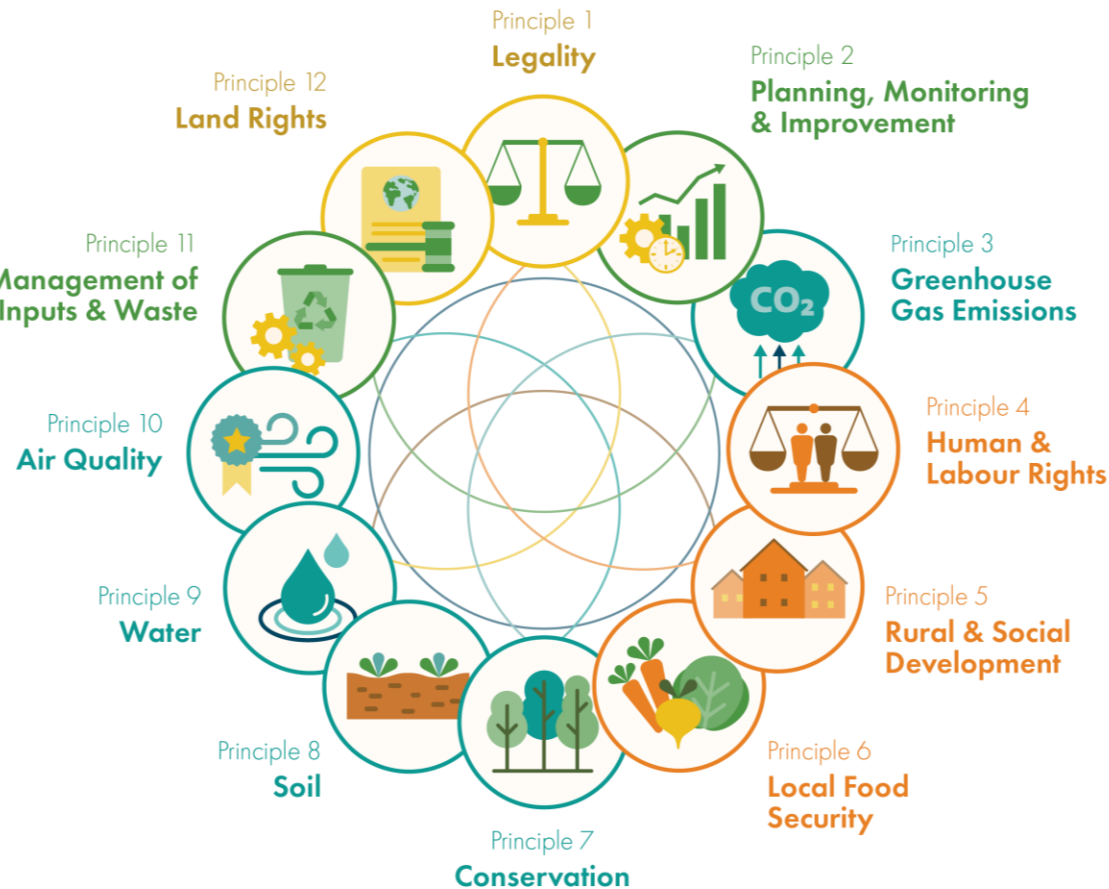
Enabling collaboration for greater impact



Our global membership is highly diverse
A wide range of organisations across supply chains, regions and industries

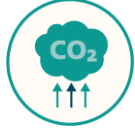







RSB Principles & Criteria









- ⊗ The RSB Principles & Criteria (P&C) are the foundation for all of RSB’s activities.
- ⊗ They describe the best **social**, **legal & rights-based**, **environmental** and **management** practices for sustainable production in a bio-based and circular economy.
- ⊗ ‘Principles’ are general tenets of sustainable production and processing.
- ⊗ ‘Criteria’ describe the conditions to be met to achieve these tenets.
- ⊗ The P&C are complemented by a set of standards, procedures and guidance documents that constitute RSB’s **sustainability framework**.

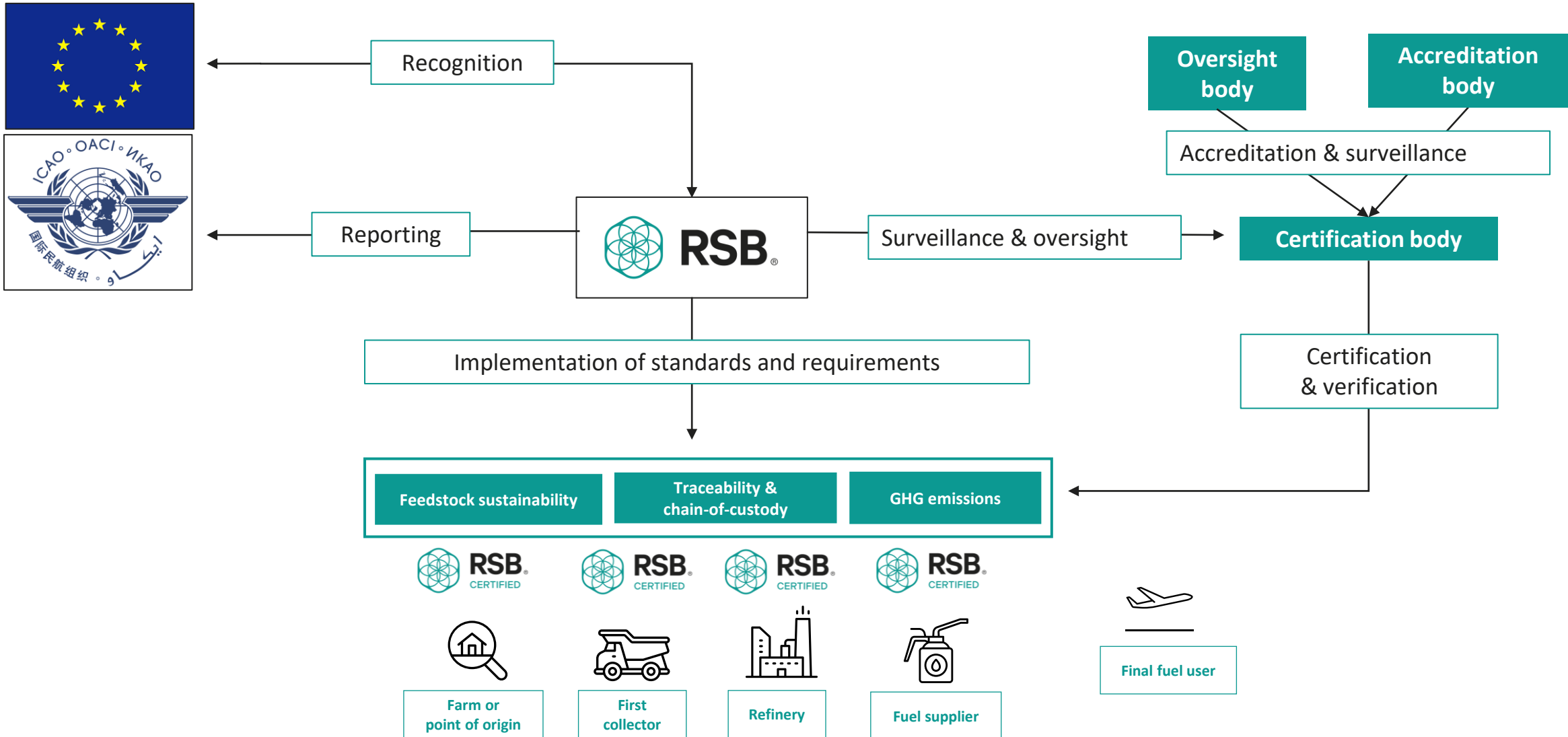
CORSIA themes are covered by the P&C

| | | | |
|---------------------|---|-------------------------|---|
| GHG | CORSIA SAF should generate lower carbon emissions on a life cycle basis = 10% reduction. | RSB Principle 3 |  |
| Carbon stock | CORSIA SAF 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 and ecosystem services. | RSB Principle 7 |  |

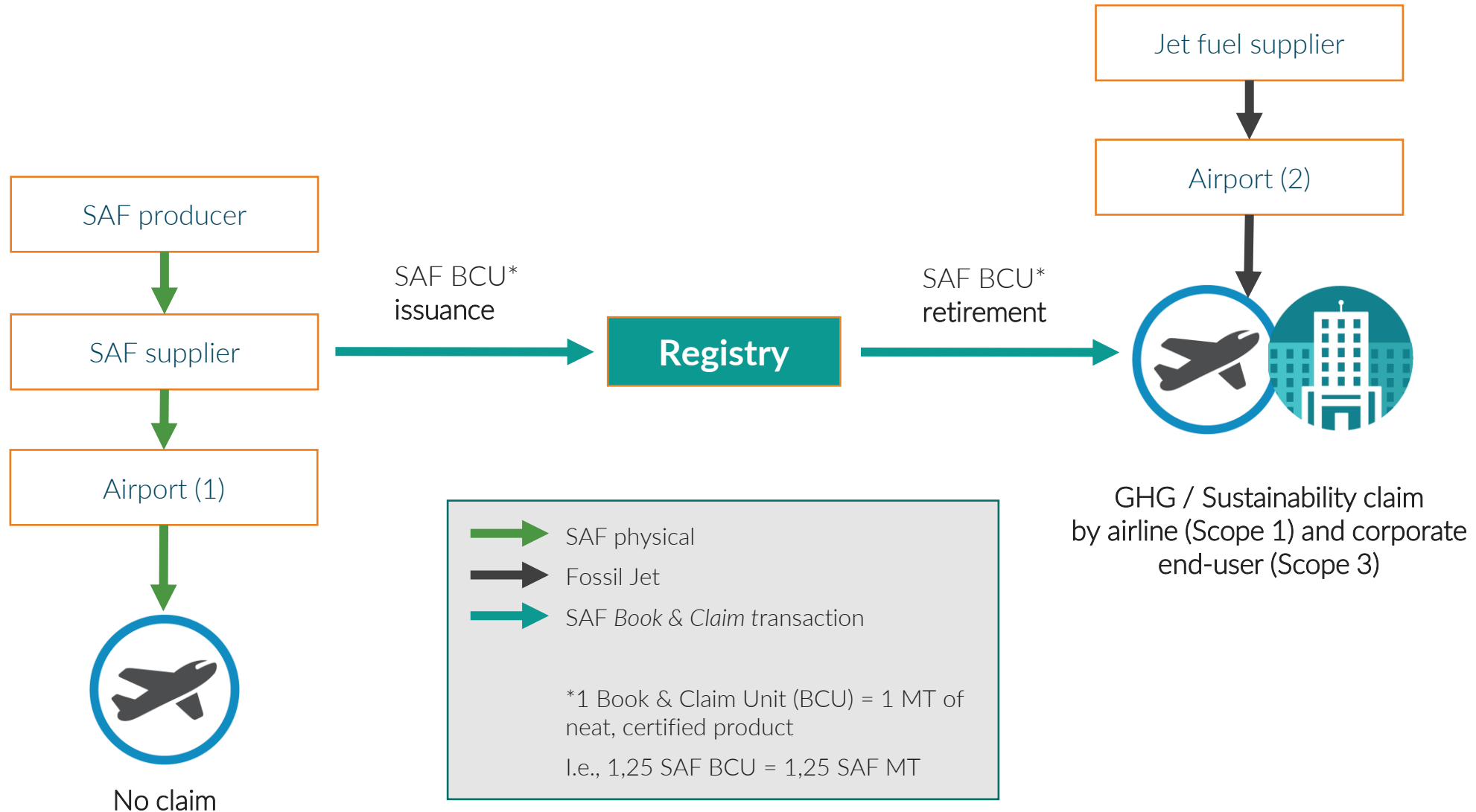
CORSIA themes are covered by the P&C

| | | | |
|------------------------------|---|-------------------------|---|
| Waste & chemicals | Production of CORSIA SAF should promote responsible management of waste and 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 |  |

The certification ecosystem: Fuels example



Book & Claim Simplified Process



RSB Book & Claim System

Integrative elements developed to foster the complex scaling of sustainable fuels



RSB B&C Recognition

Normative procedure for a registry ecosystem



RSB B&C Manual

Normative industry guidance for book and claim



RSB B&C Registry

Digital account and transaction data storage system

RSB Certification System

Book & Claim Unit Retirement Statement

Retirement Statement (SAMPLE)

Number: **RSB-BCU-RS-23-02-006**
 Date of Issue: **20/02/2023**



The RSB confirms that the following Book & Claim Units (BCU) have been retired from circulation in the RSB Book & Claim Registry:

| Product Type | Amount of BCU ¹ | Tonnes of CO ₂ e ² |
|----------------------------|----------------------------|--|
| SAF | 120.50 | 398.17 |
| | BCU-ID RSB-BCU-22-09-012 | 3.30 tonnes CO ₂ e/BCU |
| Scope 1 | Scope 3 | |
| Transport service provider | Corporate end-user | |
| Aeroflex | Mobicorp | |

Sustainability information

| | |
|--|----------------------------|
| Amount of product in megajoules (MJ) | 5,302,000 (44,000 MJ / MT) |
| Amount of product in tonnes (MT) | 120.50 |
| Sustainability certification | RSB ICAO CORSIA |
| Fossil baseline of reference (gCO ₂ e/MJ) | 89.00 |
| GHG LCA value | 13.90 |
| % GHG emission reduction compared to fossil baseline | 84.38% |
| Feedstock | Used Cooking Oil (UCO) |
| Feedstock Country of Origin | France |
| Declaration of SAF incentives | n/a |
| Year of SAF production | 2022 |
| Country of SAF blending | United States |
| Airport where SAF is delivered (if known) | Los Angeles (LAX) |
| Country where SAF BCU will be claimed | Australia |
| Type of Reporting | Voluntary |

NB: The entities listed on the retirement statement shall take their own independent advice on the legal, accounting and/or regulatory application of the claims set out in the retirement statement against voluntary GHG emission reduction schemes.

¹ 1 BCU is equivalent to 1 tonne of neat, certified product. 1 tonne = 1 metric ton (MT) = 1000kg
² The absolute GHG emission reduction expressed in tonnes of CO₂e is calculated using certified GHG values submitted during BCU registration. Please refer to the RSB Book & Claim Manual (v3, March 2023, Section 4 "Requirements for BCU Retirement") for more information.



Each BCU carries one Scope 1 claim and several Scope 3 claims, which shall be done according to the claiming, double counting and additionality requirements.



Companies mentioned in the retirement statement are entitled to claims.



The retirement statement is automatically published in a public retirement statement table available on the RSB Registry website.



Option for the name of Scope 3 corporate end-client to be anonymised in the public table when contracts bound by confidentiality.

What is the RSB Registry?

The RSB Book & Claim Registry is a secure digital application for companies to participate in [book and claim](#).

The RSB Registry allows suppliers of a sustainably certified fuel to decouple the sustainability attributes from the physical product and register it as a *Book & Claim Unit* (BCU).

Then, the BCU can be transferred to any buyer, anywhere in the world – independent of the physical product.

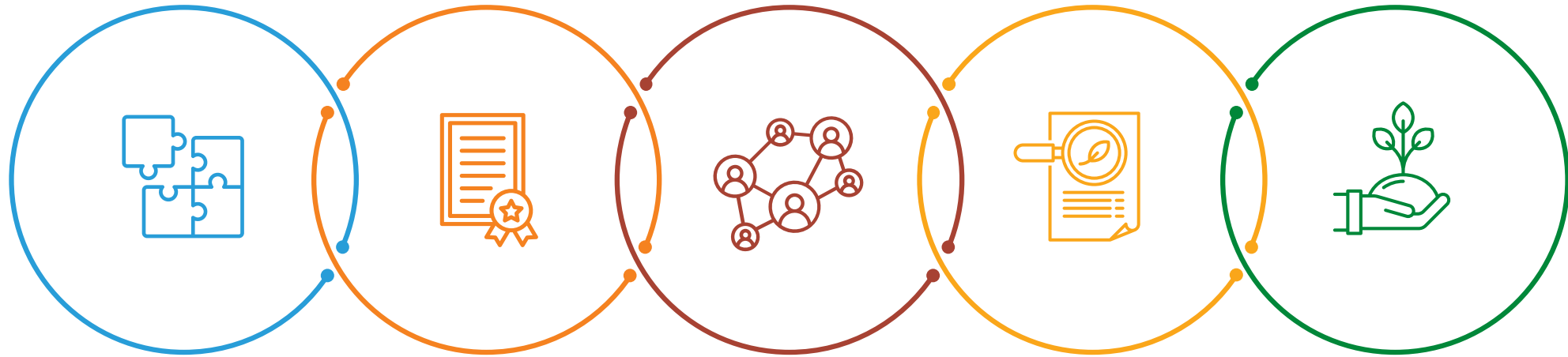
The RSB Registry will then track the transfer of these BCUs, issuing retirement statements to companies who want to make credible sustainability claims.



Key characteristics of the RSB Registry

- **Robust** – The RSB Registry is built on strong sustainability principles that have been developed through genuine multi-stakeholder engagement processes.
- **Credible** – It was founded on RSB’s certification infrastructure, meaning it delivers certified sustainability claims that are regularly independently audited.
- **Proven** – It has been tested as a prototype for over 2 years and across several pilots in collaboration with industry leaders.
- **Ambitious** – It currently covers various sustainable aviation fuel (SAF) use-cases, and will be expanding to further use-cases in aviation and shipping.

Integrative Activities



B&C PILOTS

Continuous improvement and validation of new use cases and sectors to update the RSB B&C System.

B&C RECOGNITION

Provide confidence that claims from different registries are based on equally robust standards.

INTER-OPERABILITY RESEARCH

Mitigate double counting risks, increase credibility, foster data harmonisation and build confidence among users of registries.

LANDSCAPE-LEVEL PROJECTS

An integrated approach that helps sectors transition away from fossil resources and transform sustainably.

IMPACT INCENTIVES PROGRAMME

Analyses to extend the current system with other impact indicators beyond carbon emission reductions.

Resources & Contact

For more information visit

[https://rsb.org/certification/
rsb.org/programmes/book-and-claim/](https://rsb.org/certification/rsb.org/programmes/book-and-claim/)

Or email us at

certification@rsb.org
bookandclaim@rsb.org

Thank You

