



RSB[®]

www.rsb.org

RSB's Book & Claim System

Carolina Grassi

Workshop sobre Combustível Sustentável de Aviação (SAF) e Diesel Verde - MME

27 November 2024

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.





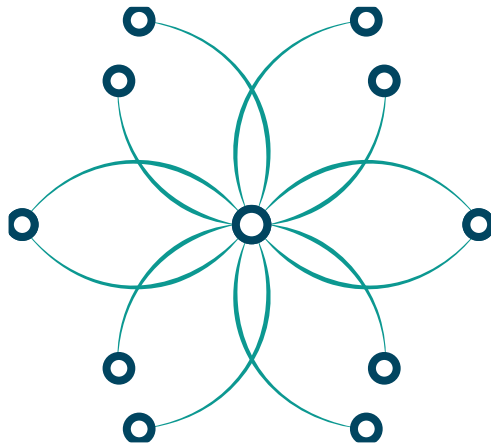
Our global membership is highly diverse
A wide range of organisations across supply chains, regions and industries



Holistic approach to support creating a positive impact



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



RSB's Book and Claim System



Value proposition for hard-to-abate sectors



Accelerate the decarbonisation of hard-to-abate sectors

Enable cost-sharing of sustainable fuels' price premiums

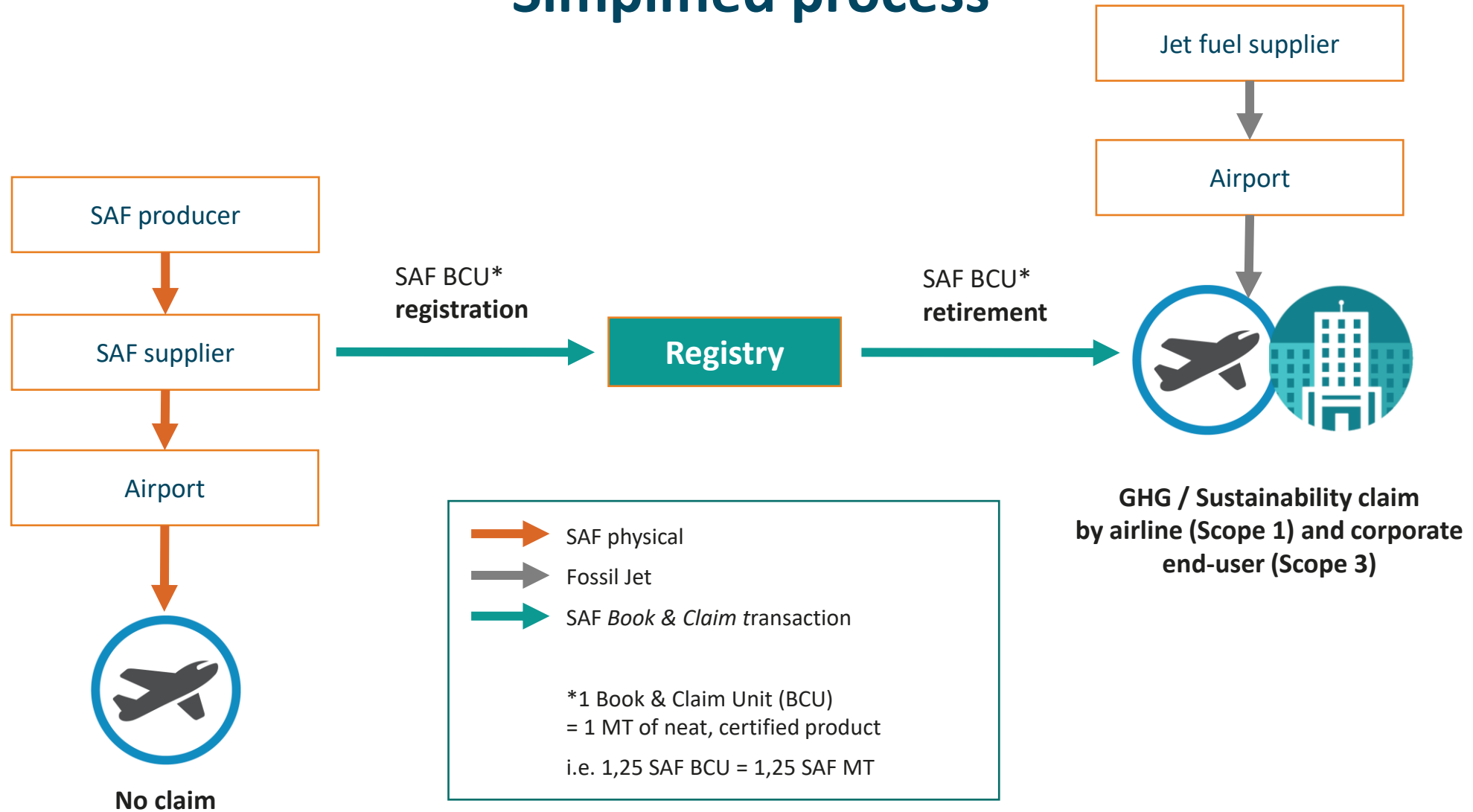


Bridge limited supply locations vs increasing global demand

Meet growing demand from corporates for **in-sector** solutions to decarbonise their aviation and shipping emissions



Simplified process



RSB Book & Claim Programme



Pilots



Book & Claim
Platform



Continuous improvement & validation



RSB B&C
Manual



RSB B&C
Registry



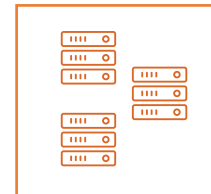
RSB Recognition
Procedure

RSB Certification



Ecosystem harmonisation

- Collaboration and alignment with likeminded initiatives
- Education



- Registry interoperability



RSB Book & Claim Programme milestones



Pilot use-cases and partners

1. Accelerate decarbonisation

Achieve 100% SAF flights
(mix of mass balance and book and claim SAF purchase)

2. Bridge limited supply locations

Airline purchase of SAF without
physical connection to supply

3. Corporate travel emission reduction

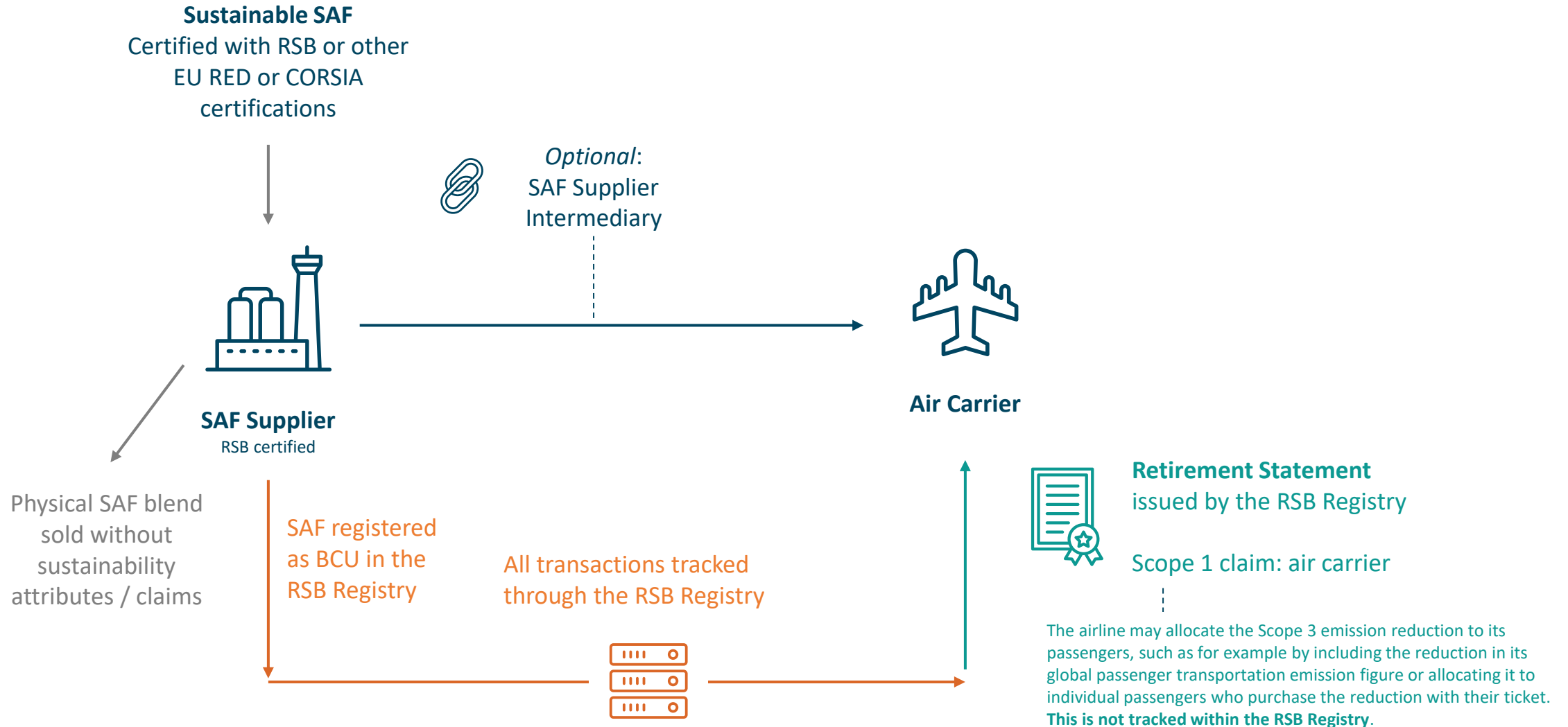
Corporate customers purchase of SAF to
claim the environmental benefits (i.e. GHG
reductions) to reduce their aviation-related
emissions



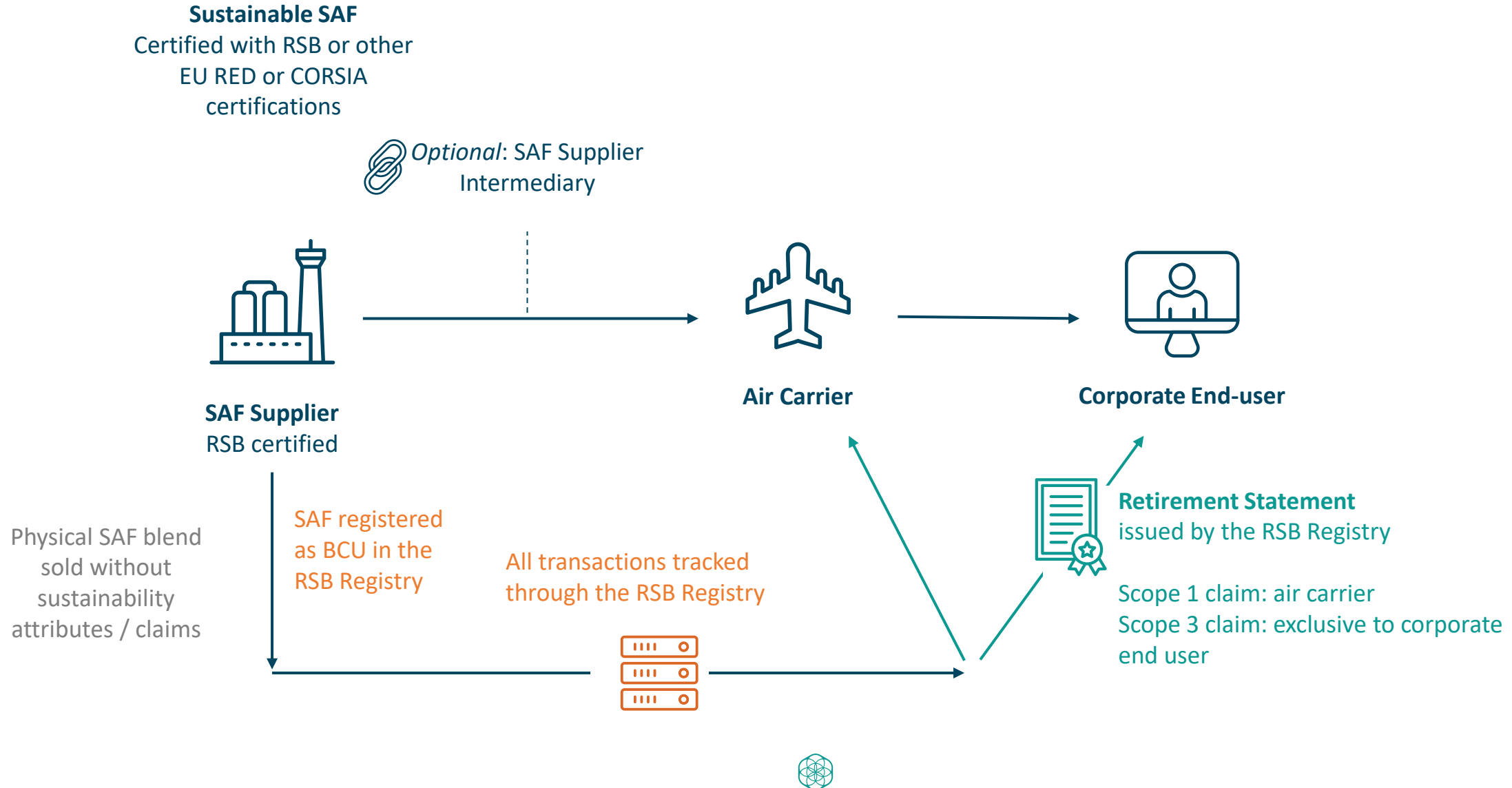
Knowledge partners



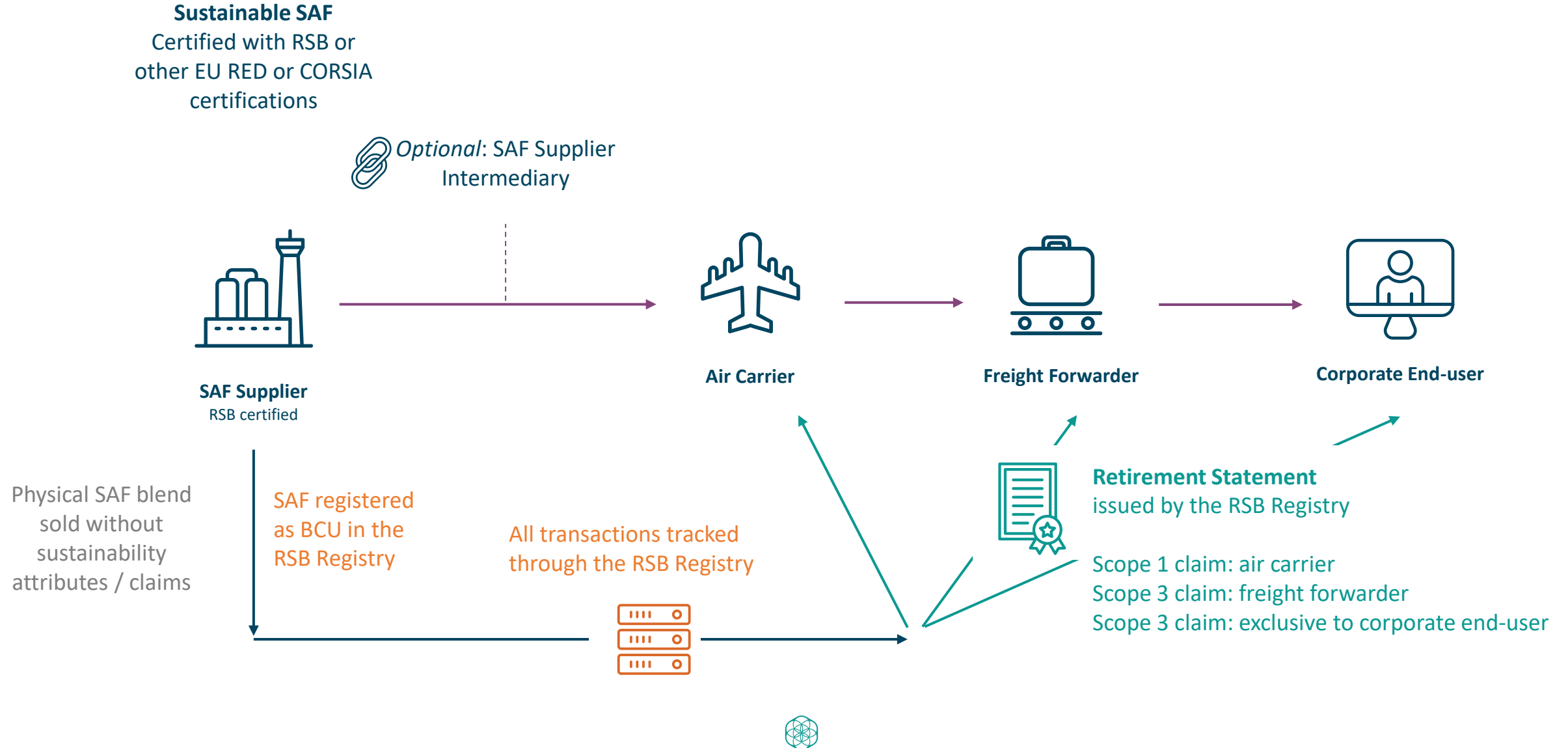
Use case #1



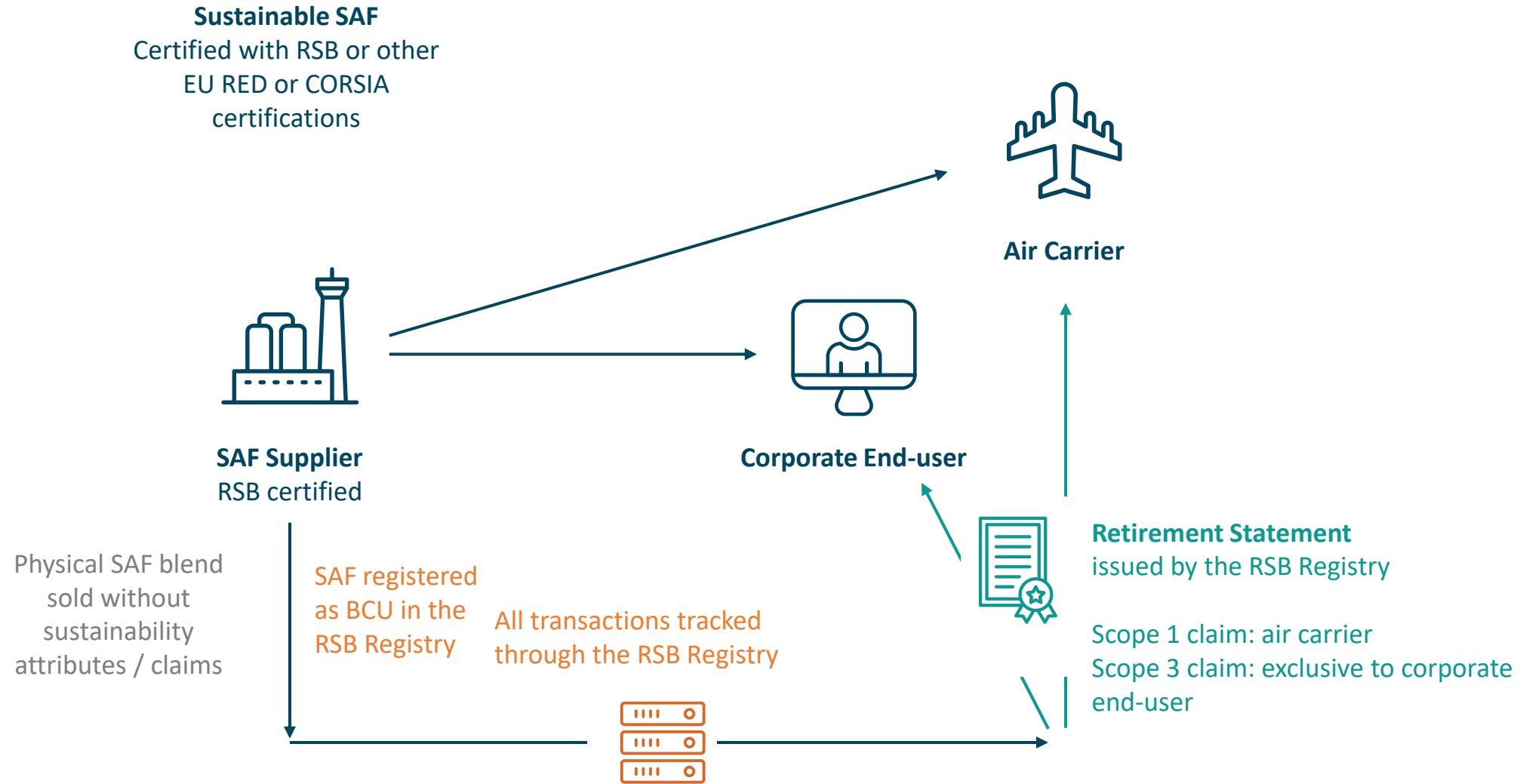
Use case #2



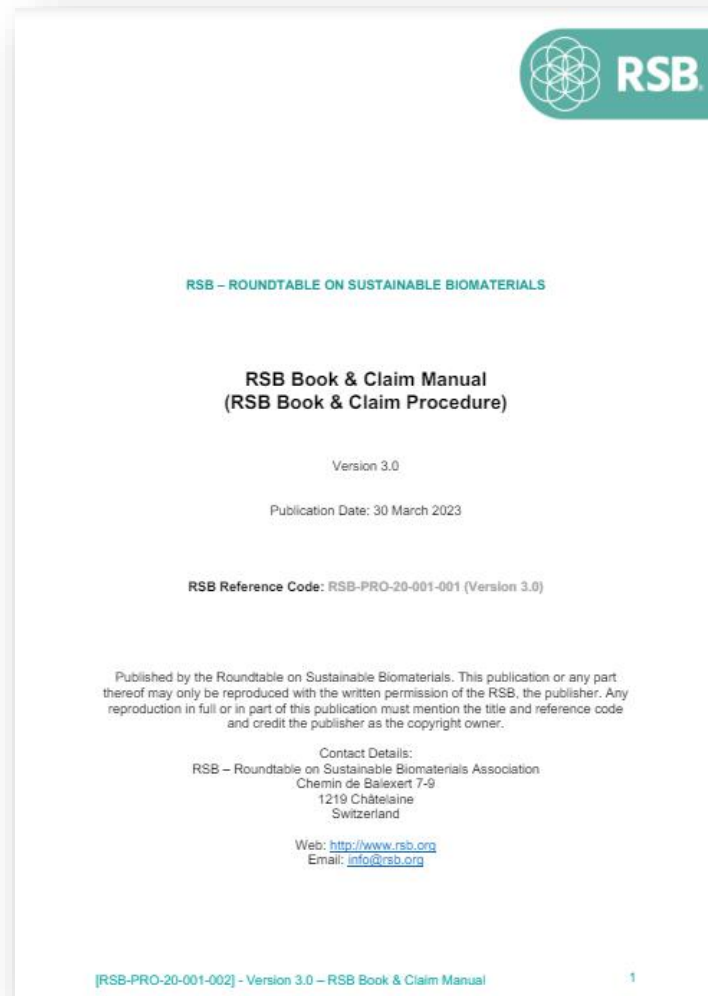
Use case #3



Use case #4



RSB Book & Claim Manual and RSB Registry



RSB Book & Claim Registry
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RSB
Information
Statements

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.

<https://rsb.org/registry/>

<https://rsb.org/wp-content/uploads/2024/06/RSB-PRO-20-001-001-RSB-Book-and-Claim-Manual-3.0.pdf>



Public Retirement Table

Public BCU Retirement Statements

Date and Time



Search

BCU ID ↓	STATEMENT ID ↑	DATE OF ISSUE ↑	PRODUCT ↑	AMOUNT BCUS ↑	SCOPE 1 ↑	SCOPE 3 ↑	CERTIFICATE
▼ RSB-BCU-SAF-24-06-001 (1)	-	-	SAF	13.924	1 company	1 company	
RSB-BCU-SAF-24-06-001-0001	RSB-BCU-RS-24-06-000087	28.06.2024	SAF	13.924	Alaska Airlines, Inc	Microsoft	
► RSB-BCU-SAF-24-05-037 (1)	-	-	SAF	20.413	1 company	1 company	
► RSB-BCU-SAF-24-05-034 (1)	-	-	SAF	54.764	1 company	1 company	
► RSB-BCU-SAF-24-05-033 (1)	-	-	SAF	27.430	1 company	1 company	
► RSB-BCU-SAF-24-05-029 (1)	-	-	SAF	13.713	1 company	1 company	

<https://registry.rsb.org/statements?search=null>



Retirement Statement

Number: RSB-BCU-RS-24-06-000056
 Date of issue: 28th June 2024



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

Product type	Amount of BCUs ¹	CO ₂ eq reduction (t) ²
SAF	54.764	180.344
	BCU ID RSB-BCU-SAF-24-05-034-0000	≈3.304 CO ₂ eq reduction (t)/BCU
Scope 1 Transport service provider Alaska Airlines, Inc	Scope 3 Corporate end-user Microsoft	

Sustainability information

Amount of (MJ)	2,428,236 (44,000 MJ/t)
Amount of product (t)	54.76
Sustainability certification	RSB CORSIA
Fossil baseline of reference (gCO ₂ eq/MJ)	89.00
GHG LCA value (gCO ₂ eq/MJ)	14.73
GHG emission reduction (%)	83.449
Feedstock (raw material)	Tallow
Feedstock conversion process	HEFA
Feedstock country of origin	United States of America
Information on eligible incentives used	California LCFS, US RFS (RIN), US IRS
Year of production	2024
Country of blending	United States of America
Location of physical product delivered (if known)	KPSP
Country where BCU will be claimed	United States of America
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 (t) = 1 metric ton (MT) = 1000 kg.
² The absolute GHG emission reduction expressed in tonnes of CO₂eq is calculated using certified GHG values submitted during BCU registration. Please refer to the RSB Book & Claim Manual (v2, March 2023, Section 4 "Requirements for BCU Retirement") for more information.

Scan to view on public retirement table




or click here

Retirement Statement

- ✓ 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 of this Manual
- ✓ 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 buyer to be anonymised in the public table when contracts bound by confidentiality



World Energy  · Oct 19, 2023 · 2 min read

DHL Express, World Energy sign 7-year agreement for 176 million gallons of SAF via certificates



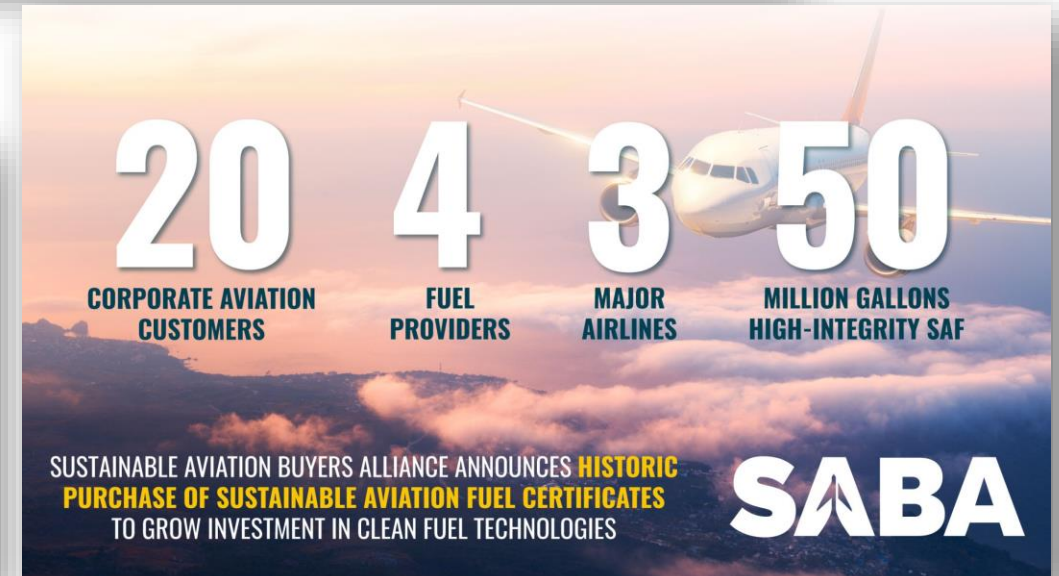
MAY 7, 2024 | NEW AT BCG

Boston Consulting Group Steps Up Investment into Decarbonization through Sustainable Aviation Fuel Agreement with World Energy

- Five-year contract will deliver emissions reductions of 100,000 metric tons of CO₂—equivalent to flying 177,000 economy-class passengers round trip between Boston and London¹
- 100,000 metric tons of CO₂ would represent more than half of BCG's air travel CO₂ emissions in 2023
- This is BCG's largest SAF certificate purchase to date

Microsoft and World Energy sign landmark 10-year book-and-claim SAF deal

✓ Tony Harrington · 9 October 2023 · 3 min read

An infographic titled 'SABA' (Sustainable Aviation Buyers Alliance) set against a background of a sunset sky with clouds and a commercial airplane in flight. The infographic displays four key statistics: 20 CORPORATE AVIATION CUSTOMERS, 4 FUEL PROVIDERS, 3 MAJOR AIRLINES, and 50 MILLION GALLONS HIGH-INTEGRITY SAF. Below these statistics, the text reads: 'SUSTAINABLE AVIATION BUYERS ALLIANCE ANNOUNCES HISTORIC PURCHASE OF SUSTAINABLE AVIATION FUEL CERTIFICATES TO GROW INVESTMENT IN CLEAN FUEL TECHNOLOGIES'. The SABA logo is prominently displayed in the bottom right corner.

20 CORPORATE AVIATION CUSTOMERS

4 FUEL PROVIDERS

3 MAJOR AIRLINES

50 MILLION GALLONS HIGH-INTEGRITY SAF

SUSTAINABLE AVIATION BUYERS ALLIANCE ANNOUNCES HISTORIC PURCHASE OF SUSTAINABLE AVIATION FUEL CERTIFICATES TO GROW INVESTMENT IN CLEAN FUEL TECHNOLOGIES

SABA

ISEAL Project



Empowering Producers:

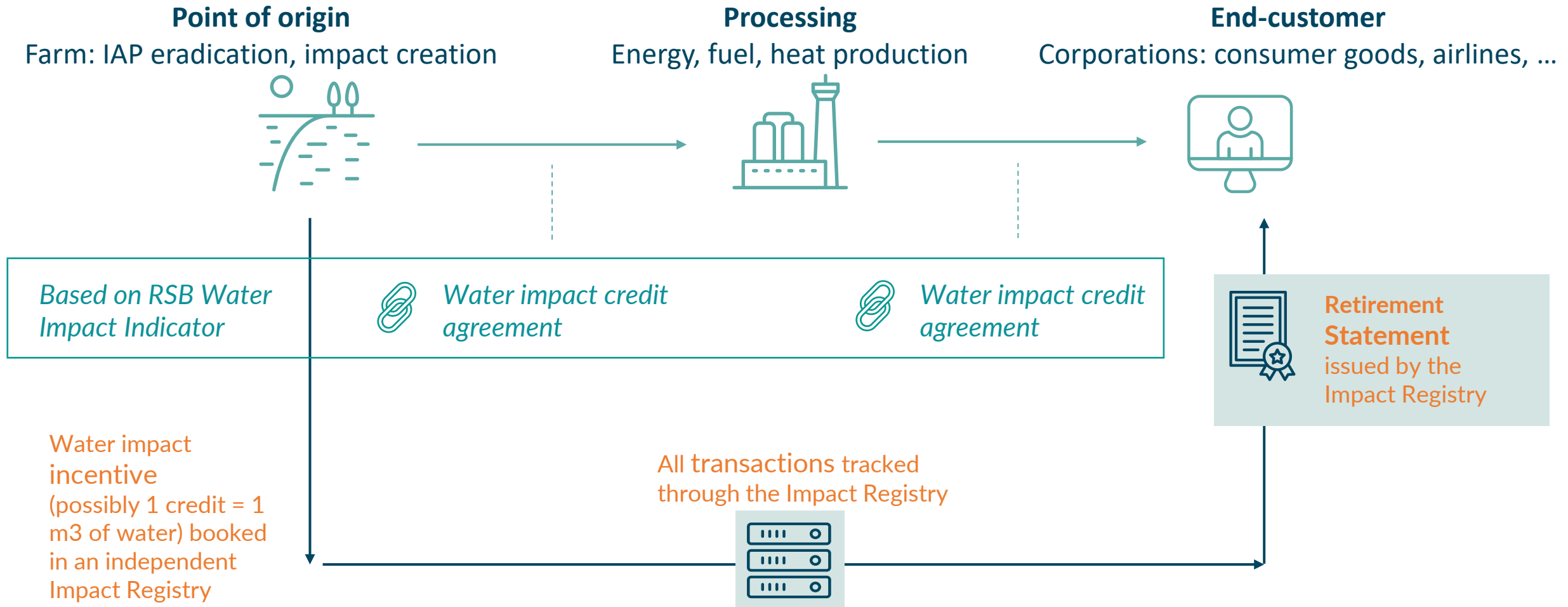
Unlocking economic benefit through ambitious sustainability standards

- ✓ Funded by ISEAL Innovations Fund grant this initiative highlights **the economic benefits** of maintaining ambitious sustainability goals to enhance outcomes for the environment, society, and the smallholders practicing best practices.
- ✓ **Sustainability must encompass more than climate change mitigation.**
- ✓ Small-scale producers are essential for sustainability but face economic challenges. A **book and claim system** can incentivise them with additional revenue. The project will validate this model by testing the market's willingness to pay for additional **sustainability impacts** and enhancing data management.
- ✓ Smallholders are engaged to test **soil and water impact claim** generation, including data management and verification by digital solution providers, a pilot to test impact claim generation, transfer and claim, and finally the development of a livelihood impact indicator to measure the livelihood benefit of impact claims income.

The RSB Book & Claim System launched a registry in November 2023:

- Transfer and claim Sustainable Aviation Fuel (SAF) **emissions** reductions
- 2 previous years of piloting & based on normative guidance developed on consultation with RSB's multistakeholder community
- Willingness to pay for increased emission savings and market demand is clearly demonstrated.

Example - Our vision of an Impact Registry (e.g. Water)



Thank you!

For more information visit

www.rsb.org

www.rsb.org/book-claim

Or email us at

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gill.alker@rsb.org (B&C manual / partnerships)

max.eichelbaum@rsb.org (B&C registry / partnerships)

