

# Overview of the EAC landscape

March 2026



# Scope of the report

**Purpose:** Map and analyse the current landscape of Environmental Attribute Certificates from definitions to guidance and standards.

**Intended outcome:** A mapping of current terms and their definitions, landscaping of available guidance on EACs and analysis of existing gaps. The results may be used in future work on investments in climate solutions.

## Problem

- Climate solutions are critical to global climate ambition and targets
  - The scale of current markets is lacking
  - There is a need to stimulate the investment
- Market-making instruments and EACs
- EACs are not included in global standards
  - No consensus on their efficiency and purpose
  - Businesses are unsure about appropriate action
- Risk of delay for climate action

## Theory of change

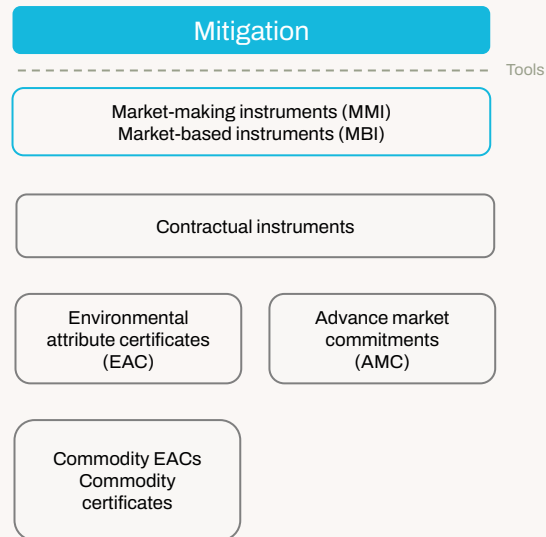
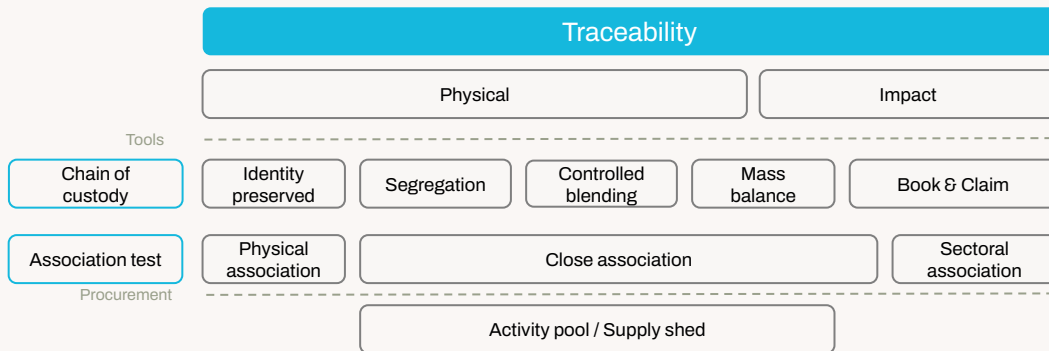
1. More money needs to flow towards some system transformations
  2. Corporates could provide that money
  3. Being allowed to use market instruments to meet GHG reduction targets would provide the necessary incentive for corporates to spend money on system transformation
- EACs are a temporary measure to ensure the climate solutions reach the desired scale
- Once the scale is achieved, they become embedded in the value chain

# Key terminology



# Terminology overview

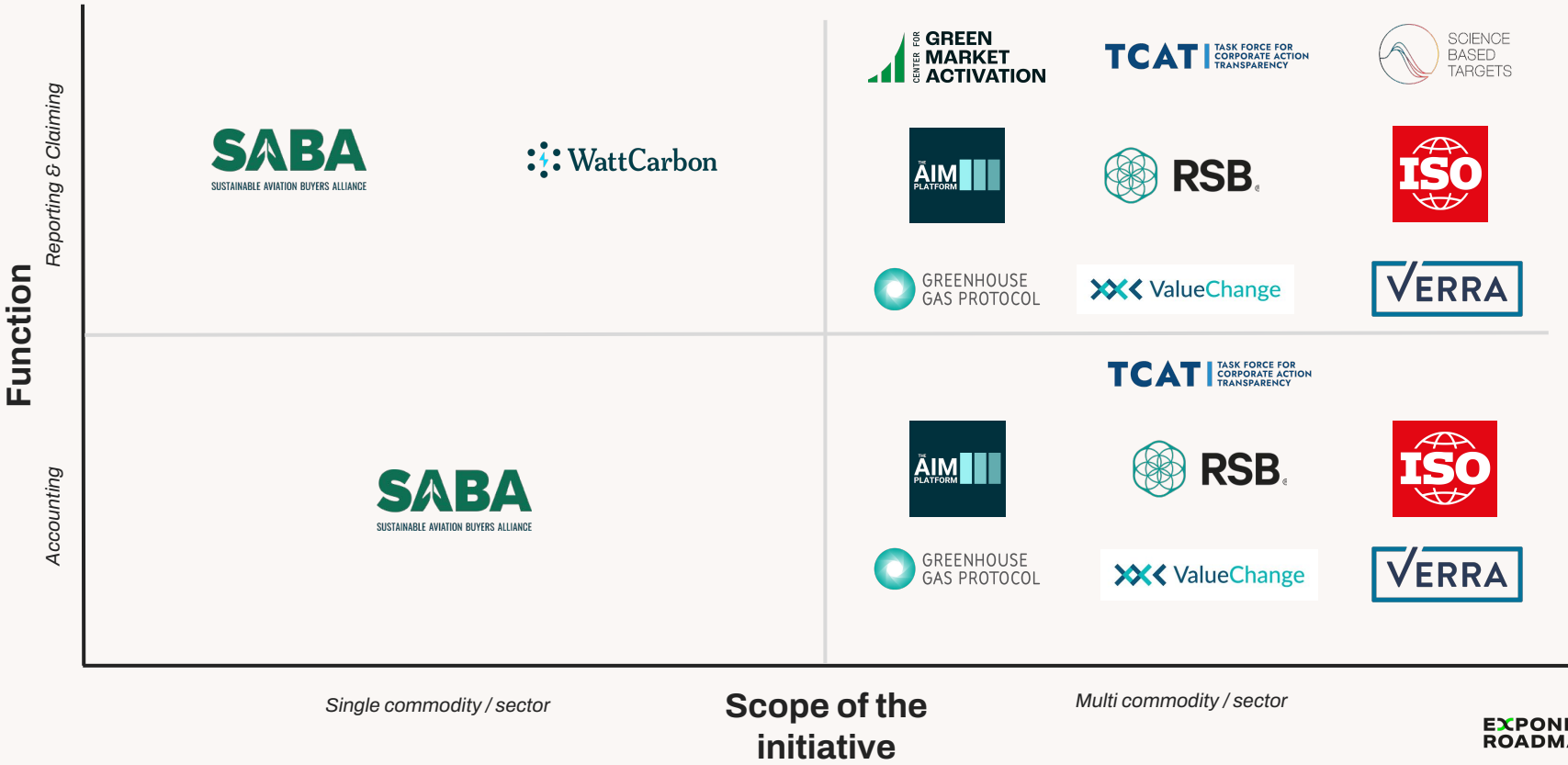
*Different organisations use different terms and concepts to describe core concepts related to market-making instruments and EACs. There are two main families of terms as shown below: “Traceability” and “Mitigation”. In “Mitigation”, the market-making instruments are tools to achieve it, while chain of custody models and association test are tools for ensuring “Traceability” of contractual instruments.*



# Standards, certifications and initiatives



# Current landscape



# Current landscape summary



## Current standard:

- No allowance for EACs or other MBIs
- Direct actions only

## Updated standard (November 2025):

- EACs can be used to demonstrate progress towards targets and support scaling of low-carbon solutions
- EACs are a temporary measure; organisations to prioritise direct action
- Scope 2: follow current and future GHG P requirements
- Scope 3: specific integrity and reporting requirements



- Separate AMI workstream
- Updated quality criteria for contractual instruments to include:
  - Hourly matching
  - Deliverability
- Updates to GHG reporting format:
  - Three possible reporting frameworks
  - Separation of inventory into four components: physical, contractual, impact, and beyond inventory
- In February 2026, [GHGP](#) will publish a white paper with the [outcomes](#) of the AMI workstream Phase 1 for public consultation.

## Complementary initiatives

### General guidance:



### Sector-specific guidance:



### Traceability:



### To look out for:



# Emission intensity as a certificate attribute

There are different requirements for the inclusion of emission intensity across different commodities. They vary based on sector and the regulatory maturity. Below is a summary for the three biggest groups.

## 1. Energy certificates

Within the EU system and globally, renewable energy certificates contents are regulated by local legislations and *do not include emission intensity values*. Within EU it is mandated by the EU RED II/III frameworks.

## 2. SAF certificates

Within global legislation and voluntary standards, SAF certificates are *required to contain the emission intensity* of the particular SAF batch as well as % comparison to the industry benchmark. This is done for compliance purposes in order to demonstrate alignment with regulations and established minimum thresholds for eligibility.

## 3. Others

For the remaining commodities, the regulation is underdeveloped. The general approach that the issuing organisations adopt is to follow the SAF framework – include the emission intensity values as well as current market comparison. For each commodity, the industry average is defined on case-by-case basis or, if applicable, within EU CBAM and ETS systems.

# Other attributes commonly included in certificates

In addition to emission intensity, EACs contain other attributes. Below is a list of commonly included attributes, irrespective of the commodity type:

- Issuing organisation
- Production location of a commodity
- Production timeframe of the commodity (start date - end date)
- Feedstock (if material commodity or fuel)
- Energy type (if energy)
- Chain-of-custody model
- Registry
- Retirement and expiry date

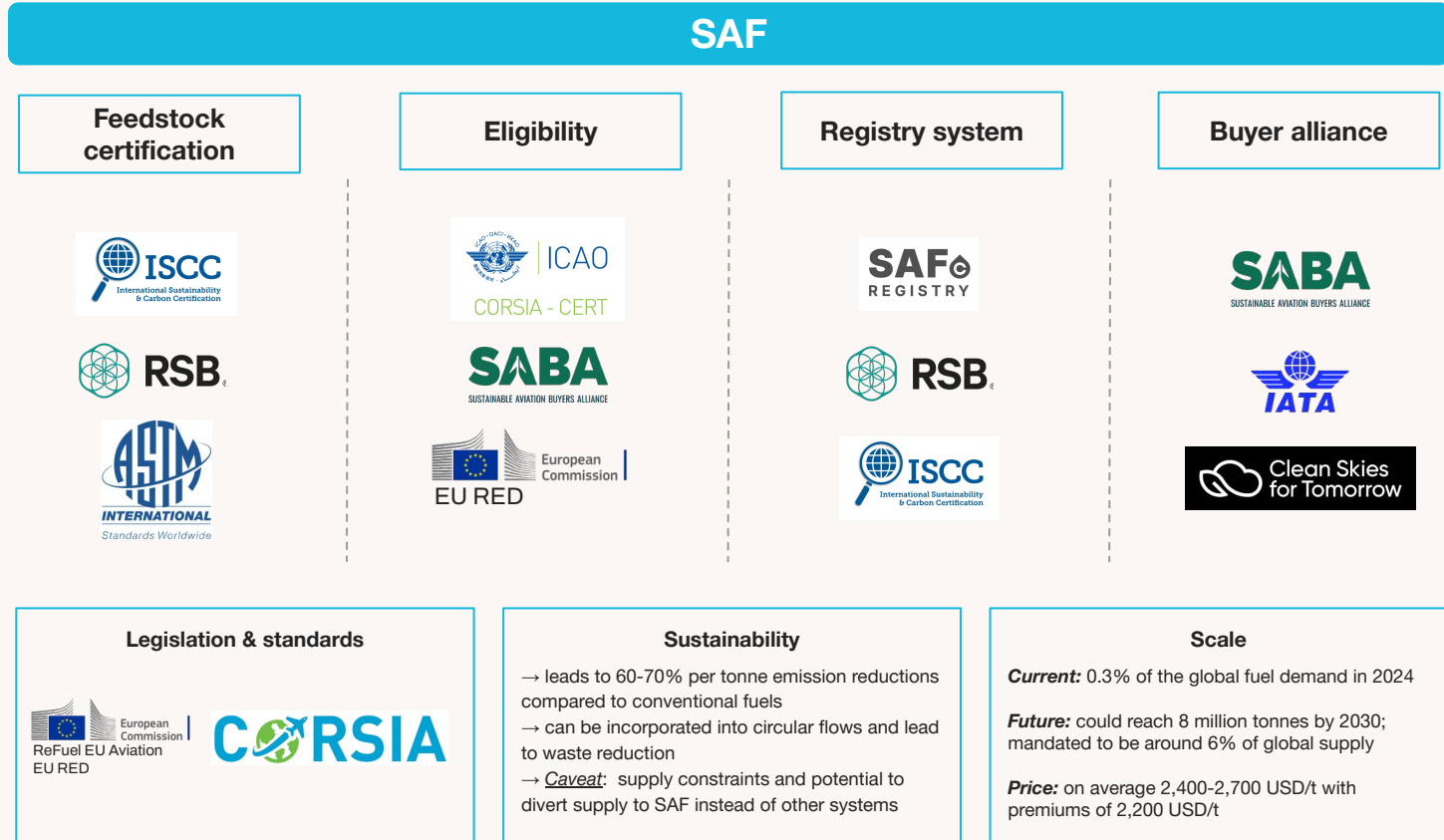
The exact combination of attributes depends on the certificate type as well as regulation that the specific commodity is subject to.

# Commodity-specific guidance

SAF, sustainable shipping services, green concrete and cement, green steel



# SAF landscape



# Sustainable shipping landscape

## Sustainable shipping



### Legislation & standards

European Commission  
FuelEU Maritime  
EU MRV Maritime  
EU ETS

IMO (INTERNATIONAL MARITIME ORGANIZATION)

### Sustainability

- Many decarbonisation pathways available:
  - Alternative fuels
  - Circularity
  - Efficiency improvements
- Caveat: nascent industry, need standardisation support to take off

### Scale

**Current:** 5.6% of all ships operating on sustainable fuel; 62 green corridors

**Future:** market is expected to grow 6 times by 2032

**Price:** on average 350-400 USD/TEU with premiums of 250 USD/TEU

# Green concrete & cement landscape

## Green concrete & cement



# Green steel landscape

## Green steel



**Legislation & standards**

EU ETS  
EU IED & BAT

**Sustainability**

- A long-term solution with emission reduction opportunities along the entire life cycle
- High compatibility with other decarbonisation levers
- Caveat: nascent industry, needs policy and regulatory support to take off

**Scale**

**Current:** < 100,000 tonnes produced in 2023

**Future:** expected to increase though projections vary

**Price:** on average 800-1,000 USD/t steel with premiums of 100-300 USD/t steel

# Commodity summary

Commodity	Sustainability	Infrastructure maturity	Integration in standards	Market-readiness	Cost*
<b>SAF</b>	Medium	High	High	High	136-3,680 USD/tCO <sub>2</sub> e Price premium: 2-6 times
<b>Sustainable shipping</b>	Medium	Medium	Medium	Medium	150-200 USD/t CO <sub>2</sub> e Price premium: 150-200 USD/TEU
<b>Green cement &amp; concrete</b>	Medium-High	Medium-Low	Medium-Low	Low	30-60 USD/t CO <sub>2</sub> e Price premium: 30-50 USD/t
<b>Green Steel</b>	Medium-High	Low	Low	Low	100-300 USD/t CO <sub>2</sub> e Price premium: 100-300 USD/t

\* Estimated based on cost of the physical commodity, not the certificate