



ICAO



ICAO AVIATION CLIMATE WEEK 2026

MONTRÉAL, CANADA | 2 - 4 JUNE





INDUSTRY
SKYTALKS



Scaling SAF: Expanding the Future Feedstock Base

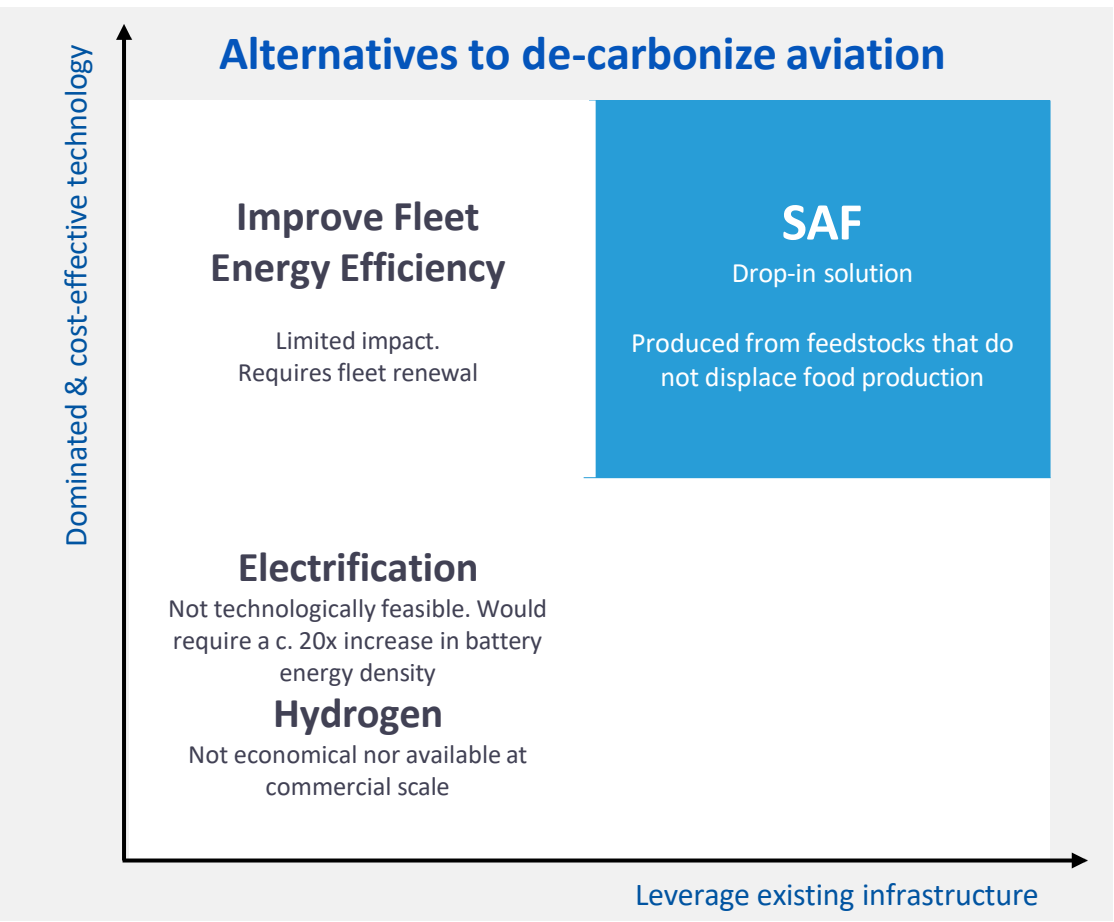
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Acelen Renewables

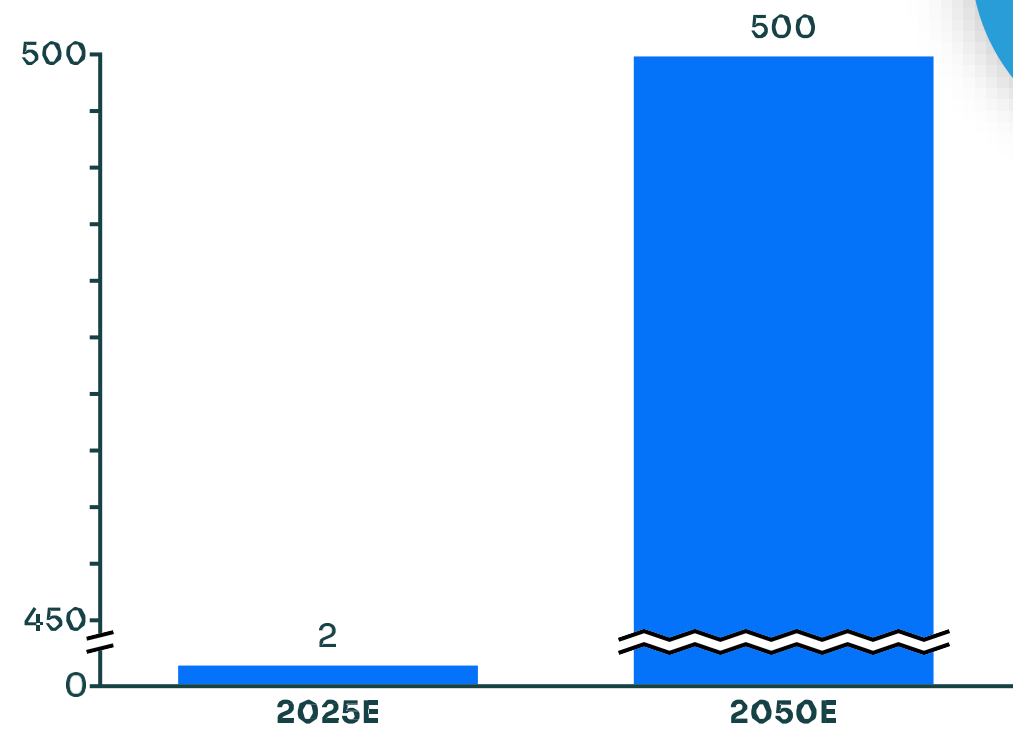
acelen
renewables

500 million tonnes of SAF will be required by 2050 to meet ICAO's net-zero target, according to IATA.

SAF remains the only **scalable, cost-competitive, near-term solution** for aviation decarbonization.







SAF demand needed to meet net zero in 2050 (mt/year)







Source: IATA, Worley Consulting – Global feedstock assessment for SAF production – Outlook 2050, September 2025.

Scaling SAF requires expanding the global base of sustainable feedstocks, not just fuel production capacity

Common Focus in SAF Discussions

-  Refinery capacity
-  SAF production volumes
-  Speed of technology scale-up
-  Number of conversion plants

The Scaling Bottleneck

-  Availability of sustainable feedstocks
-  Long-term supply security
-  Scalable upstream production systems
-  Regional diversification of feedstocks

Achieving aviation net-zero will require expanding the global pool of sustainable feedstocks.

Macauba: unlocking the potential of a native species for SAF production

UNTAPPED VALUE CHAIN

No established agricultural value chain
Not integrated in commodity systems

LOW LUC RISK

Ability to recover and grow on degraded land
Resilient and drought tolerant

HIGHLY PRODUCTIVE

5-7 tons of oil per hectare
7-10x more than soybean

CIRCULAR ECONOMY

Full fruit utilization
New value streams from residues

RURAL DEVELOPMENT

Generation of jobs and income
Sustainable and productive land use



Brazil has a unique competitive advantage for SAF feedstock production



1 Agricultural powerhouse

Highly developed agricultural sector
Proven large-scale biofuels experience

2 Favorable climate conditions

High precipitation levels
Low-variance temperatures all year round

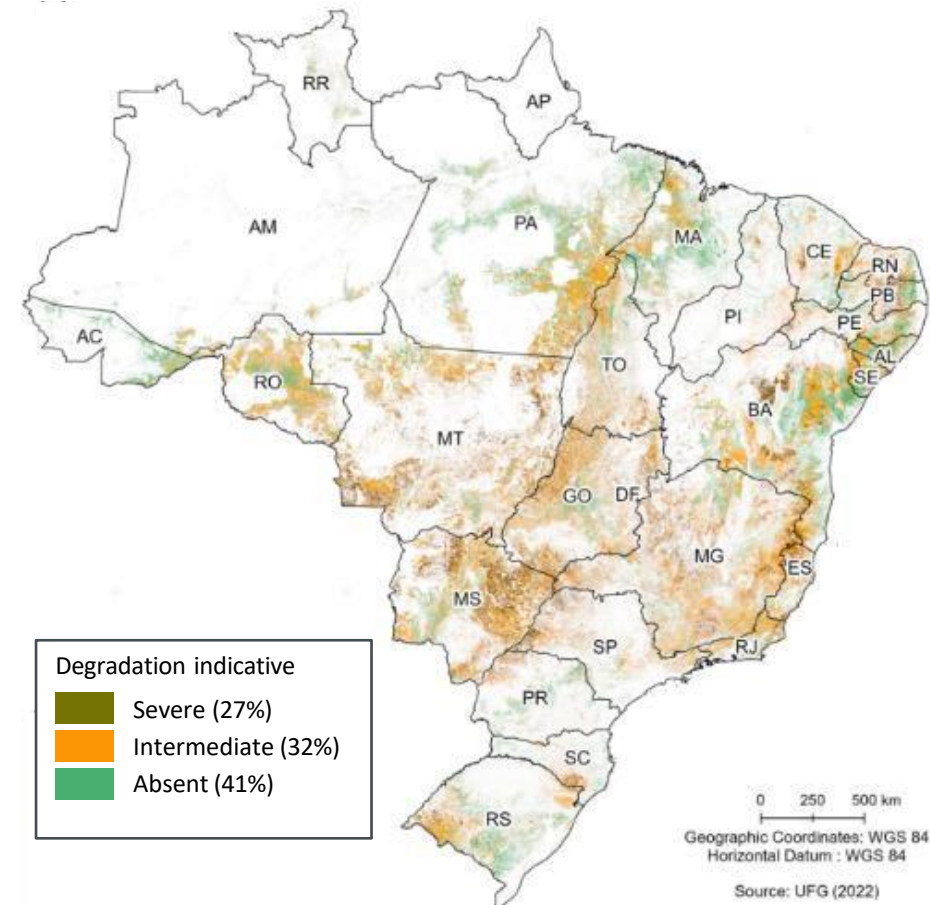
3 Land availability

110 million hectares of degraded land
Underutilized land at affordable prices

4 Supportive policies and incentives

Low-carbon agriculture policies
National incentives for degraded pastureland recovery

Extent of Pasture Degradation Across Brazil (2022)



Sources: MapBiomass Brasil - Brazilian network of geotechnology experts (2024); Bolfe et al. (2024), *Land*, 13, 200.

Acelen Renewables: a seed-to-fuel solution

MUBADALA
CAPITAL

+US\$
3BI

initials for the
first integrated unit

+US\$
13.5BI

to scale-up
in the next decades

Significant progress in less than 3 years



Genetics

- Best **genetic material** selected in the nature

Propagation

- **Acelen Agripark launched** in August 2025
- **R&D and seedling production hub** enabling up to 20,000 ha/year of planting capacity

Planting

- Over **320k trees** planted in **700+ hectares** as of now
- **Family Agriculture Program** launched in August 2025

Oil Extraction

- Two **test pilot plants** operating at Agripark
- Design of **large-scale plant** underway

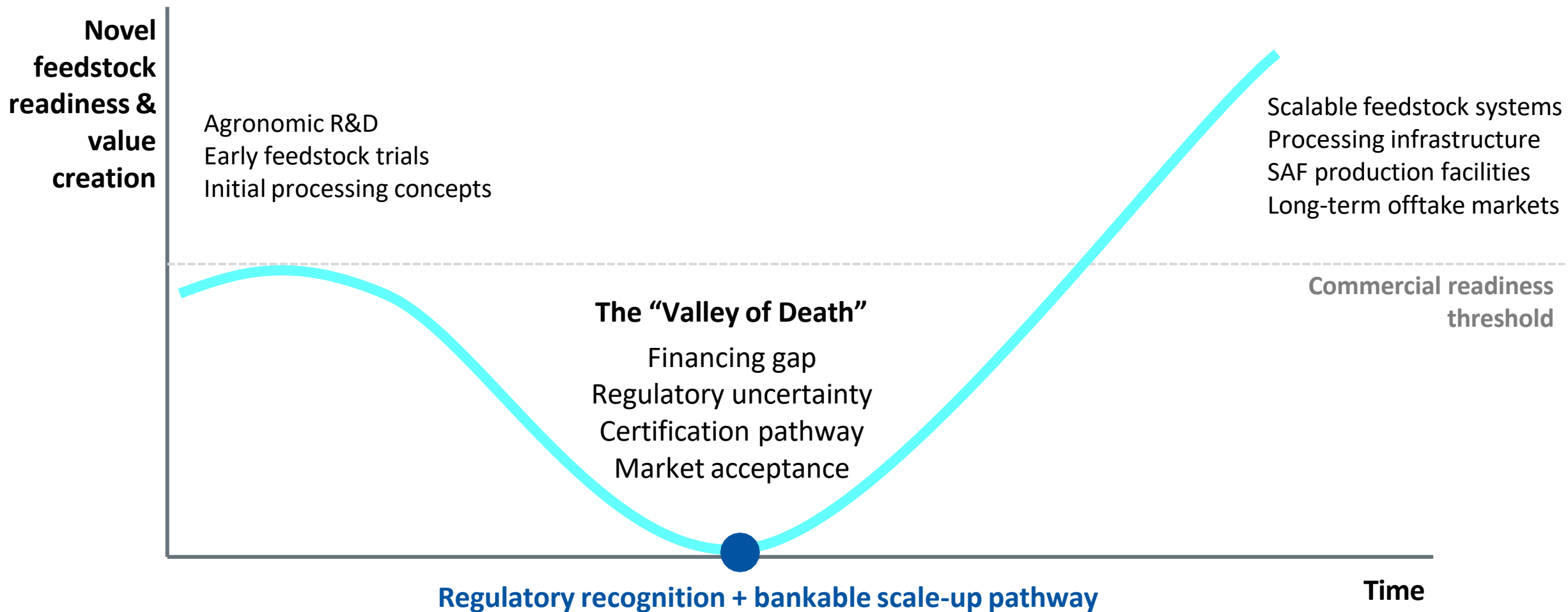
SAF Production

- **HEFA: US\$1.5 billion FID announced** in May 2026
- **6-Years Offtake and feedstock contracts** negotiated

Market Access

- Ongoing **Macauba pathway** evaluation in target markets

What does it take to scale a new feedstock?



Scaling novel SAF feedstocks requires coordinated progress across the entire value chain.

How to unlock SAF production at scale?

Delivering competitive, scalable SAF will require continued collaboration between industry and government to turn opportunity into supply security.

1

Demand Signals

Long-term policy certainty and incentives.

2

Enabling Regulations

Frameworks that enable innovation across feedstocks and pathways.

3

Global Alignment

Harmonization and interoperability across the sector.





Thank You