

# 2024 ICAO REGIONAL SEMINAR ON ENVIRONMENT

In collaboration with



**NACC & SAM Regions**

20 to 21, August 2024

Asunción, Paraguay



ICAO

ENVIRONMENT



ACT SAF

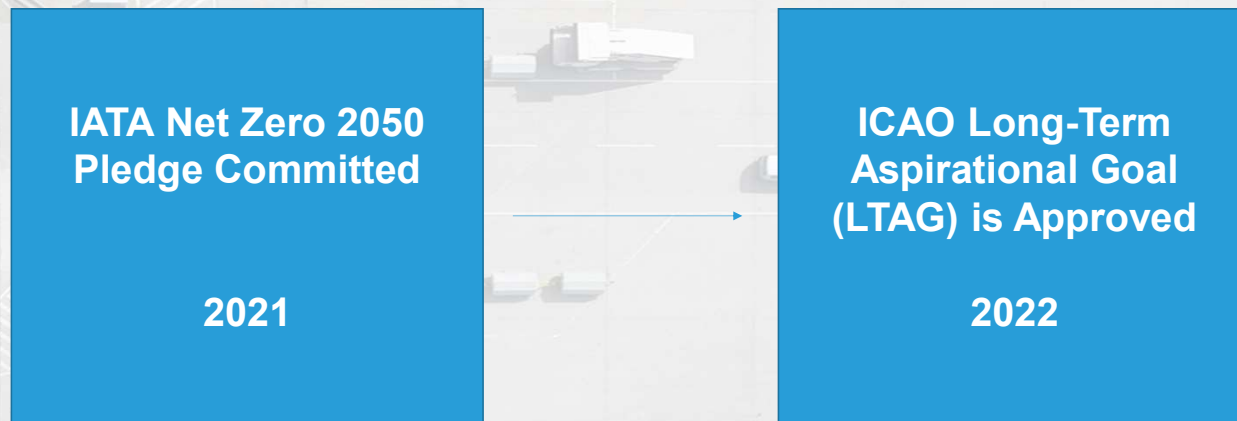
CORSIA



# Public funding for SAF: IATA assessment

- |   |                                                      |   |                                        |
|---|------------------------------------------------------|---|----------------------------------------|
| 1 | Industry and governments global net zero commitments | 2 | Technology solutions to reach net zero |
| 3 | Importance of public funding                         | 4 | Mitigating SAF financing risks         |
| 5 | Key public funding available for SAF                 | 6 | Conclusions                            |

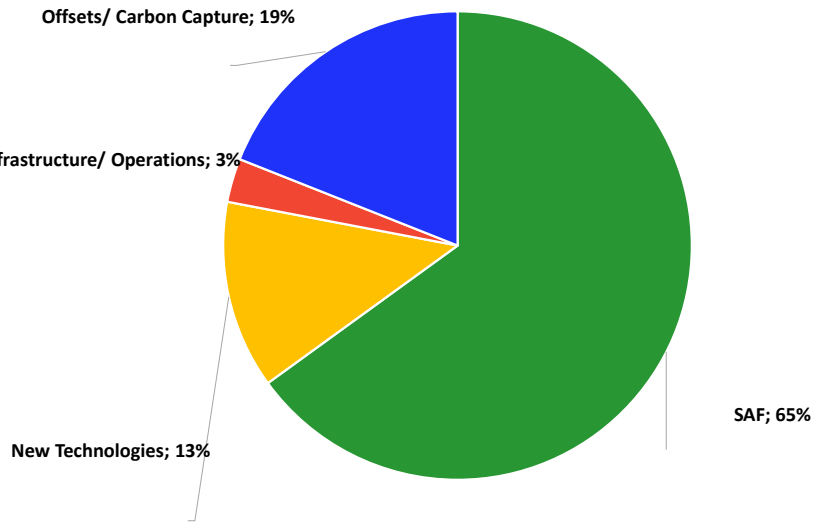
# From Industry Commitment to UN Approval



The confirmation of the UN aviation body, ICAO, aligning themselves with the Long-Term Aspirational Goal was a landmark agreement for the aviation industry. In attaining this approval from over 190+ member state countries, it represented:

- A firm global commitment from governments toward aviation's Net Zero 2050 goal
- A clear recognition and acceptance that SAF would be the key driver of achieving the success of the goal

# Technology Solutions to reach Net Zero



**SAF responsible for the greatest amount of CO<sub>2</sub> reductions by 2050 (65%)**

Year	2019	2020	2021	2022	2023	2024 f
Estimated SAF Output (Mt)	<0.02	0.05	0.08	0.24	0.5	1.5**
Global Jet Fuel (Mt)*	288	157	182	254	271	285
SAF % of Global Jet Fuel	<0.01%	0.03%	0.04%	0.1%	0.18%	0.5%

**1,000x increase in production is needed by 2050 (500 Mt)**

# Public funding important for early-stage tech

Particularly crucial in R&D stage



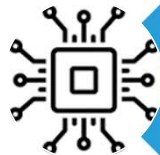
Internet



GPS



Human Genome Project  
(HGP)



Semiconductors



Note: Governments' crucial role also in the development of new energy markets is a main takeaway of IATA's publication [A reflection on policies used to support the creation of new renewable energy markets](#).

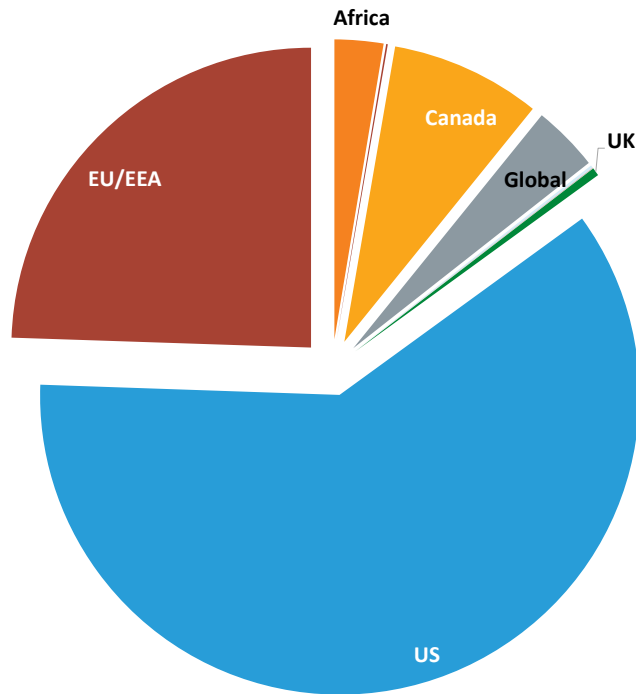
• 200k

- Additional jobs in
  - EU

Public funding of SAF supports broader sustainability benefits

- Economic growth and job creation
- Energy resilience and security
- Recultivation of degraded land

## Key public funding available for advanced biofuels IATA analysis preliminary results



- IATA analysis' results on key public funding available for advanced biofuels, including SAF, will be released by end of 2024 on [iata.org](https://www.iata.org)

# Need for more targeted public funding for SAF

## IATA analysis preliminary results



**More public support  
needed for R&D  
stages**



**Funding essential for  
first-of-a-kind (FOAK)  
projects**



**Support to  
improve supply  
chains and  
feedstock**



1. Public funding support is essential for **early-stage technologies**.
2. Currently, majority of public funding for advanced biofuels, including SAF, is available in **North America and EU/EEA**.
3. More public funding for SAF is needed **in emerging markets**, and particularly targeted towards R&D stages, FOAK projects and **improved supply chains** and SAF feedstock development.

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# Thank you



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# Thank You

