



Towards Sustainable & Green Aviation Development



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Since record-keeping began 130 years ago, Mount Fuji has always acquired its distinctive cap of snow by now. Typically, it settles on the peak's upper slopes by early October. This year for the first time, the mountain had remained bare until 6NOV24.



Snow finally showed up on 6NOV24.

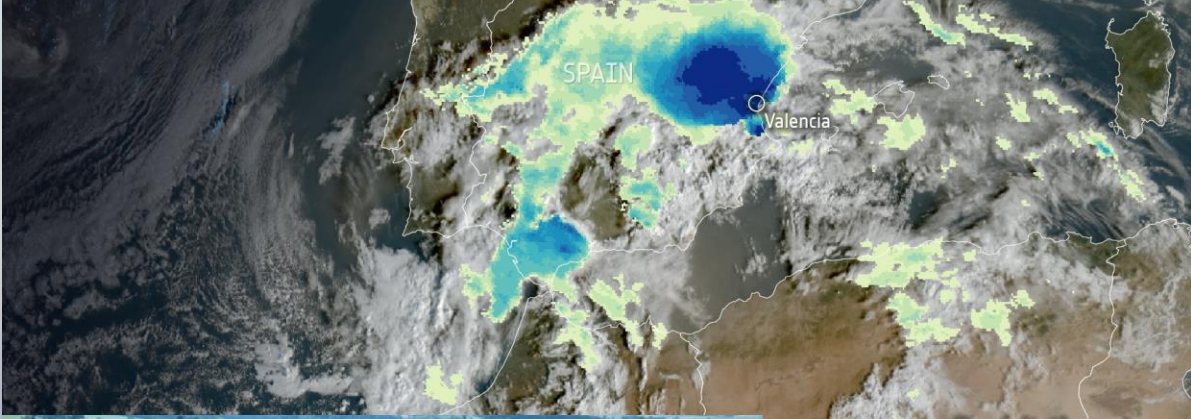
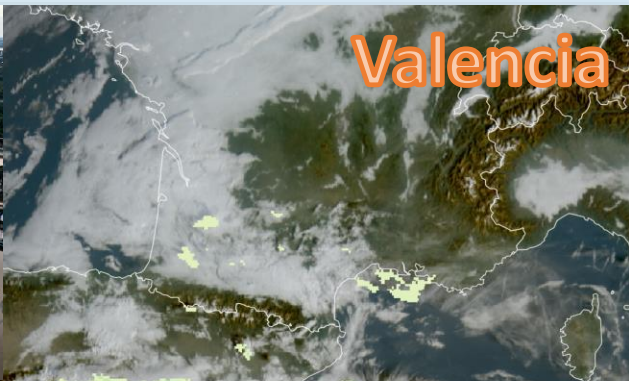


静岡県富士宮市山宮 箱荒沢

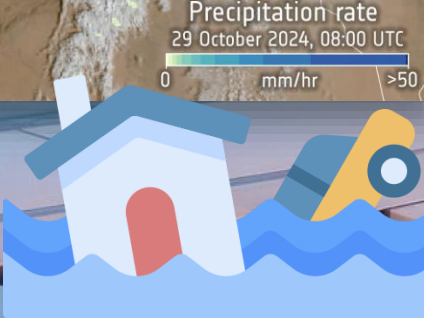
Snow then gone the day after.

มาไวไปไว

**"ฟูจิซัง" กอดหมวกแล้ว ตกวันเดียวหาย
ยอดภูเขาไฟไร้หิมะอีกครั้ง**



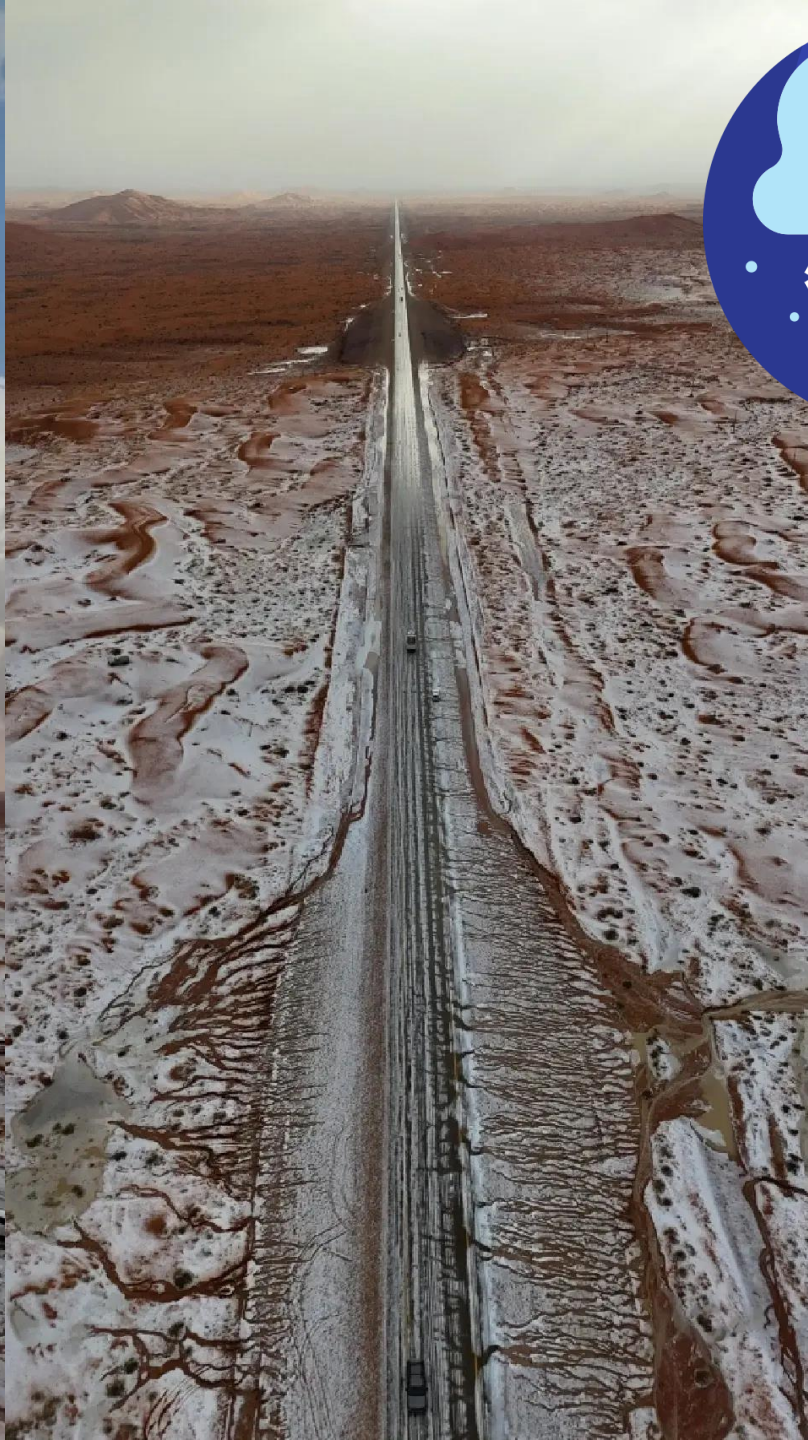
**INTENSE FLOODING HITS UAE,
FLIGHTS DIVERTED**



**Severe Flooding all around the globe
Throughout 2024**



Desert in Saudi Arabia
sees Snow for 1st Time in
Recorded History



The Al-Jawf desert region of Saudi Arabia

*First major
November
snow that
South Africa
had seen in
85 years.*



The world strikes back ?!?



What is the aviation world doing so far?



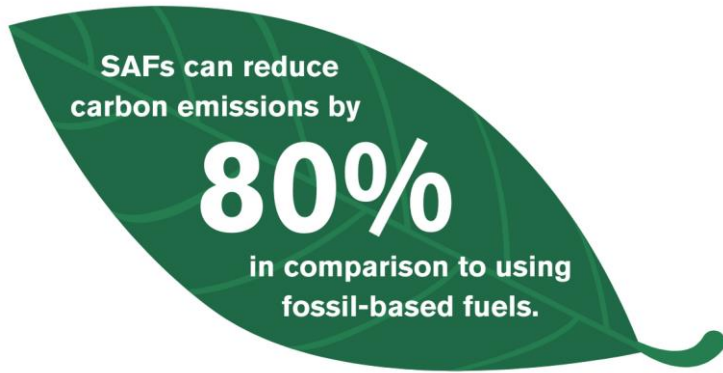
Long term global aspirational goal (LTAG) for international aviation



CAAT

CARE FUA NCLB GAsE P GANP GASP GENDER EQUALITY LTAG PBR
AAM DIVERSITY EQUITY INCLUSION

Net-zero Carbon Emissions by 2050

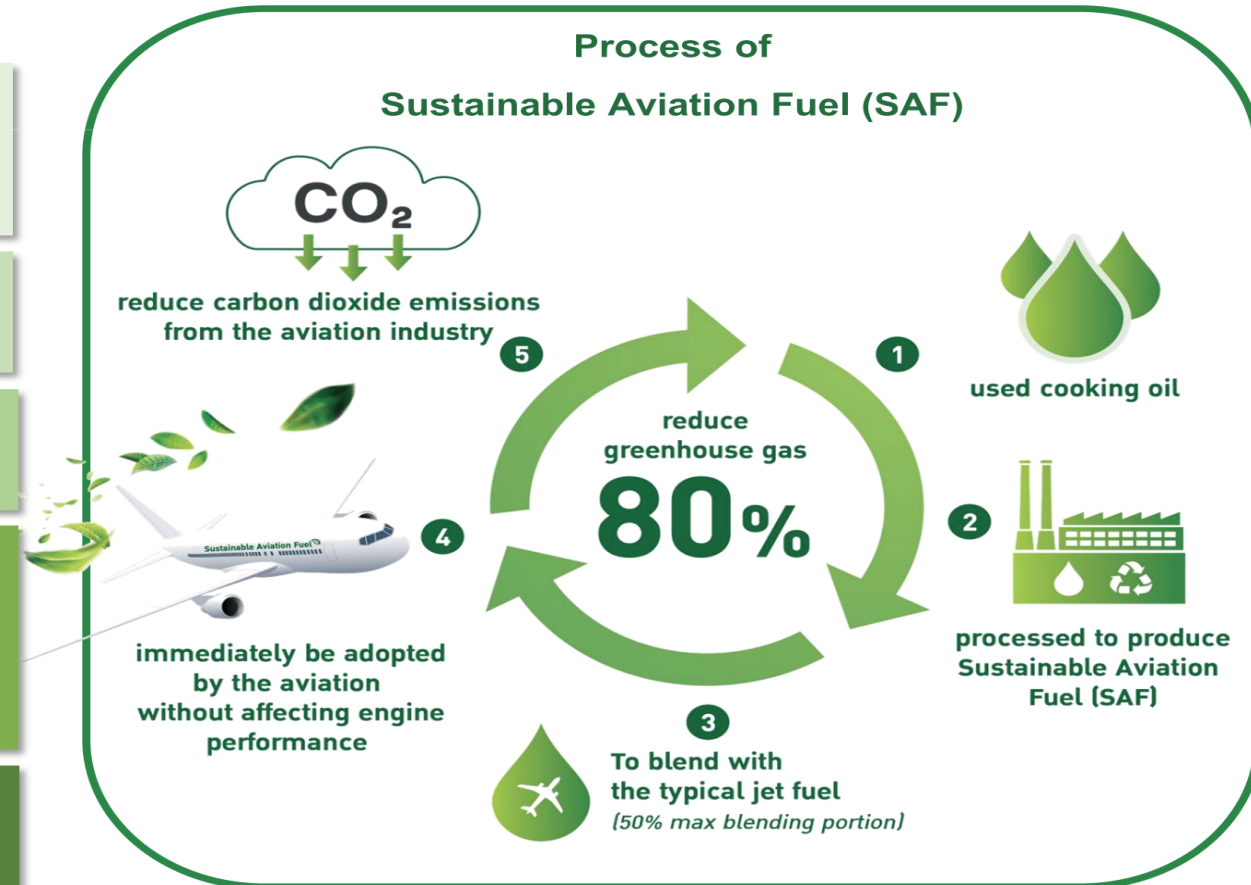


- ICAO adopted a vision to reduce CO₂ emissions in international aviation by 5% by 2030 through the use of Sustainable Aviation Fuels (SAF), Lower Carbon Aviation Fuels (LCAF) and other aviation cleaner energies.

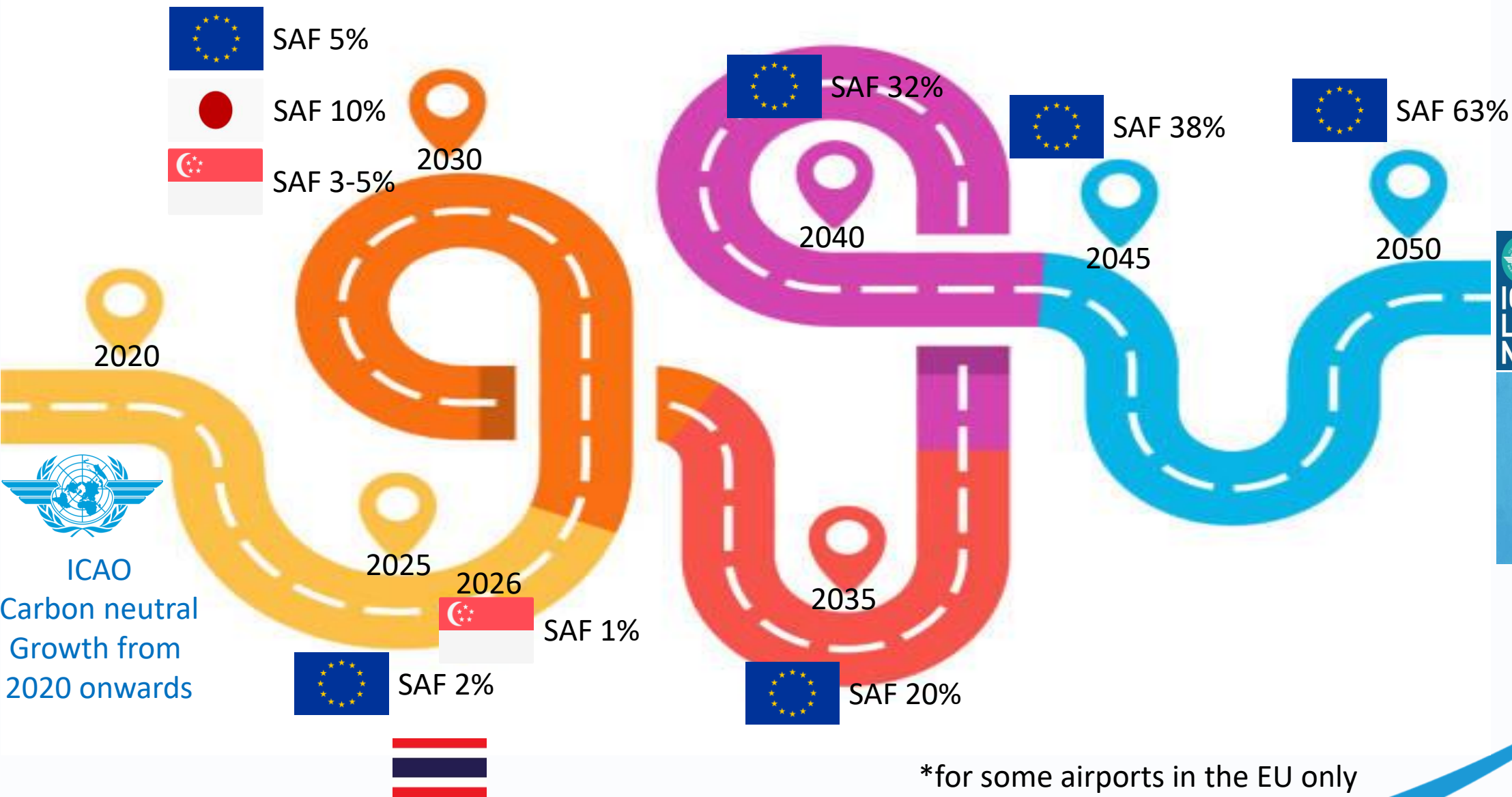
The LTAG report shows that SAF has the greatest potential to reduce CO₂ emissions from International Aviation.

Sustainable Aviation Fuel (SAF)

- Sustainable Aviation Fuel (SAF) is a sustainable alternative energy source that helps reduce carbon dioxide emissions in the aviation industry.
- SAF can be immediately used by the global aviation industry without affecting engine performance.
- Compared to current aviation fuels, SAF produced from used cooking oil can reduce carbon dioxide emissions by 80%.
- SAF production helps to raise environmental awareness and prevent improper dumping in public areas or drainage systems and water sources. Including health issues caused by repeated use of frying oil.
- SAF made by Used Cooking Oil: UCO benefits the economy, society, and environment and completely conforms to BCG economic model.



SAF JOURNEY OUTLOOK




ICAO
Carbon neutral
Growth from
2020 onwards

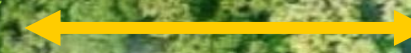


*for some airports in the EU only

Key Stakeholders in Thailand



SUPPLY



DEMAND

Ministry of Energy

- Alternative Energy Development Plan (AEDP)
 - Policy Formulation and support for biofuel
 - Transition Ethanol to SAF

Producer

- Preparation for Sustainability Certification of SAF

The Federation of Thai Industries

- Support to Production of SAF

-Establish mechanisms for monitoring CO2 emissions reduction in aviation sector

-Revise Thailand's Action Plan to reduce Aviation Emissions (2024) including SAF planning

-Promote CO2 Emission reduction & use of SAF
-Establish a Committee for Planning/Policy On use of SAF

Ministry of Transport

The Civil Aviation Authority of Thailand (CAAT)

Airlines

"RIGHT" INCENTIVES



DON'T FORGET TO LOOK BACK
AND TAKE BETTER CARE OF

YOUR OWN ORGANIZATION !



ESG



Environmental, Social,
and Governance



E - nvironmental

1. CAAT plans to have our own “green” permanent headquarters.
2. Restructure to have a dedicated team to manage Sustainability-related issues
3. Use less paper & turn digital
4. Become more environmentally friendly by using electric vehicles and enforcing hybrid workplace policy to make sure we put emphasis on all 3 scopes of carbon emissions reduction.

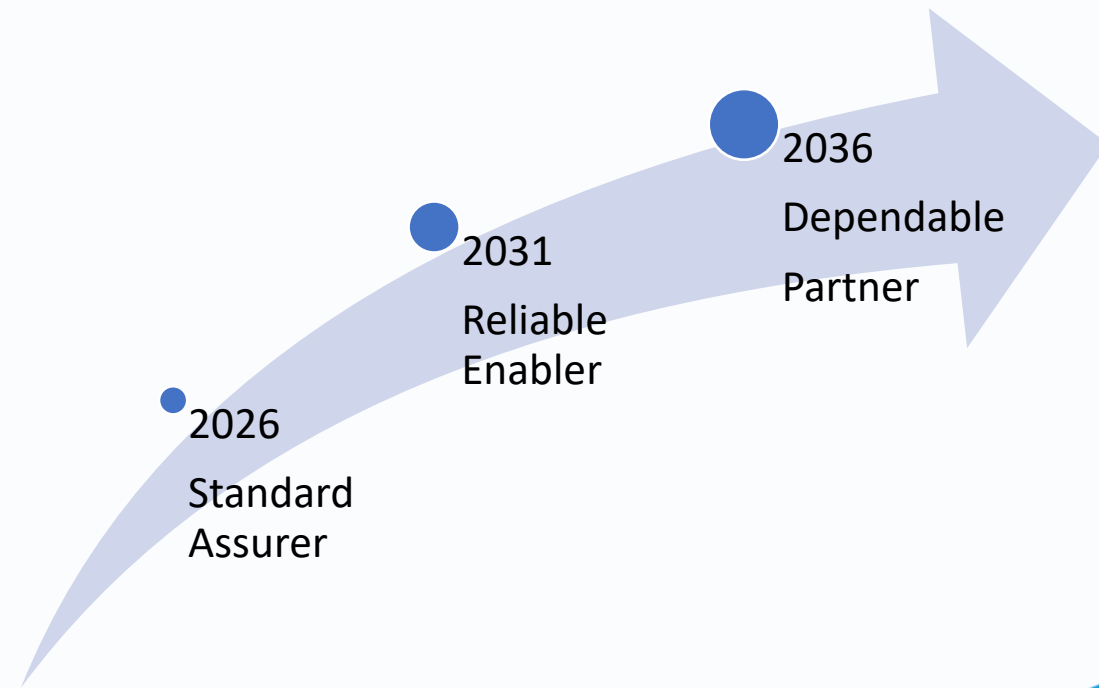


what are the scopes of carbon emissions?



S - ocial

1. CAAT aims to be highly trusted partner in the industry, not just a regulator.
2. Workplace of Choice – highly reputed employer in Thai aviation industry
3. Support the society with “CARE”, especially the Thai aviation sector



G - overnance

1. CAAT aims to be recognized as one of Thailand's leading organizations in transparency, morality promotion and good corporate governance.
2. Strength from within by promoting through Corporate Culture of "Integrity"



Let's fly greener skies together!



Standard toward Sustainability