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ICAO SEMINAR ON
ALTERNATIVE FUELS 2017

ICAO Headquarters, Montréal, 8-9 February 2017



Inclusion of alternative fuels in the new CORSIA mechanism

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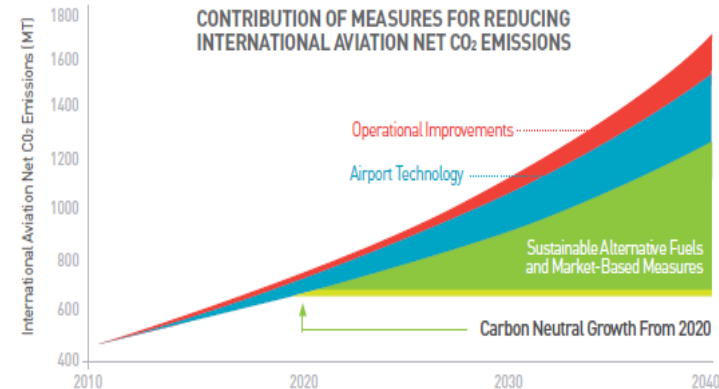
What is CORSIA?

CORSIA - Carbon Offsetting and Reduction Scheme for International Aviation

- CORSIA was adopted by the **ICAO Assembly in Resolution A39-3:**

Consolidated statement of continuing ICAO policies and practices related to environmental protection – Global Market-based Measure (MBM) scheme

- CORSIA complements a broader package of measures to achieve the global aspirational goal of carbon-neutral growth from 2020 onwards





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The Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA)





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Sustainable Alternative Fuels and CORSIA

- In **Resolution A39-3**, the Assembly requests the Council to:
 - a) ensure that a methodology is developed so that aircraft operators' offsetting requirements under CORSIA can be reduced through the use of sustainable alternative fuels
 - b) develop, with the technical contribution of ICAO's Committee on Aviation Environmental Protection (CAEP) Standards and Recommended Practices (SARPs) and related guidance material for the implementation of a Monitoring, reporting and verification (MRV) system and emissions units criteria (EUC)
- Operationalization of CORSIA implementation mechanisms:
 - a) MRV: all Member States whose aircraft operators undertake international flights to develop the necessary arrangements for implementation from 1 January 2019
 - b) Registries: State-level registries and a consolidated central registry (the latter to be established under the auspices of ICAO, for operationalization no later than 1 January 2021)



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Sustainable Alternative Fuels and CORSIA

- CAEP's Alternative Fuels Task Force (AFTF) is undertaking work to define how an aircraft operator's offsetting requirements under CORSIA in a given year can be reduced through the use of sustainable alternative fuels, on the basis of:
 - a) sustainability requirements defined by a set of sustainability criteria;
 - b) emissions factor defined by a set of ILUC LCA default values
 - c) application of a methodology to define life-cycle emissions



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Another opportunity - Sustainable Alternative Fuels and CORSIA

- *Resolution A39-3, paragraph 24, requests the Council to promote the use of emissions units generated that benefit developing States, and encourages States to develop domestic aviation-related projects*
 - Emission credits could be generated by sustainable alternative fuels projects and the credits could be used under CORSIA.



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Sustainable Alternative Fuels and CORSIA

- Resolution A39-3, paragraph 18 decides that the Council will undertake a review of CORSIA, every three years from 2022, with due consideration of, *inter alia*, the contribution of sustainable alternative fuels towards achieving ICAO's environmental objectives.

All States are encouraged to voluntarily participate in the CORSIA



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