



EASA
European Aviation Safety Agency



CORSIA Implementation in Thailand

ICAO Pending issues

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ELIGIBLE UNITS IN CORSIA

- To be determined by Council upon recommendation of technical body. No later than 2021
- Two ICAO documents pending:
 - CORSIA Eligible Emissions Units
 - CORSIA Emissions Unit Eligibility Criteria
- Explicit reference in the Assembly Resolution to UNFCCC and Paris Agreement units.
- Emission Units: Allowances and Offsets. Most of the work focused on offsets



ELIGIBLE UNITS IN CORSIA

➤ General eligibility criteria for offset:

- **Additional conservative baselines**
- **Quantified, Monitored, custody reported and verified**
- **Permanent**
- **Do not harm**
- **Based on**
- **Transparent chain of**
- **Avoid leakage**
- **Non double-counted**

➤ Application of criteria? Vintage? Project Type restrictions? Price?



➤ Compliance vs Voluntary Markets

Compliance markets refer to Markets where carbon units are traded by the need to comply with a regulation.

Voluntary market functions outside of compliance markets. It enables businesses, governments, NGOs, and individuals to voluntarily offset their emissions by purchasing carbon credits

CORSIA is a scheme under compliance market that might use units from Voluntary market

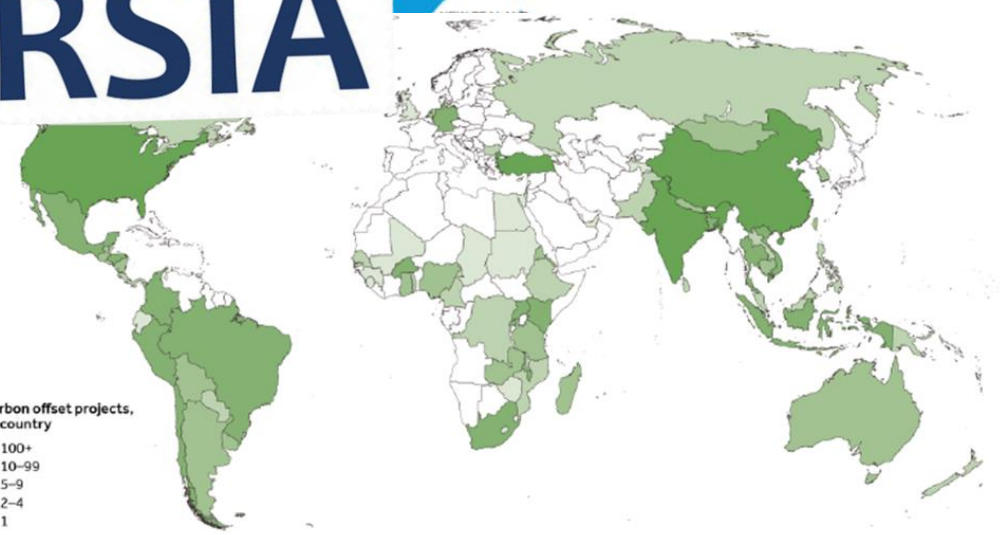
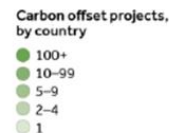


CARBON MARKET?



Compliance

Voluntary





SUPPLY and DEMAND

- Forecasting post-2020 supply and demand in the carbon market at a global level and analyzing how the additional demand coming from international aviation under CORSIA may impact is a difficult task for a number of reasons: the lack of clarity about carbon market rules after 2020 (which schemes will exist, where and under which rules) and the uncertainty about which type of units will be accepted in CORSIA



POTENTIAL UNITS

- UNFCCC units: CER from Clean Development Mechanism (Kyoto Protocol)
- Paris Agreement units: New mechanism to be defined and agreed
- Units from Voluntary markets: “VER”
- Several Standards in voluntary market incorporate co-benefits in their requirements such as economic growth or biodiversity preservation : Gold Standard, Verra...



POTENTIAL UNITS



WIND POWER



IMPROVED
COOKING STOVES



BIOFUEL
PRODUCTION



METHANE
TREATMENT



CLEAN WATER AND
PURIFICATION



SOLAR POWER



HYDRO POWER



FUEL SWITCHING



TRANSPORTATION



REFORESTATION



BIOMASS



ENERGY EFFICIENCY





- Several ICAO documents pending with regard to Sustainable fuels:
 - Eligibility Framework and Requirements for Sustainability Certification Schemes
 - Approved Sustainability Certification Schemes
 - CORSIA Sustainability Criteria for CORSIA Eligible Fuels
 - CORSIA Default Life Cycle Emissions Values for CORSIA Eligible Fuels
- 7. CORSIA Methodology for Calculating Actual Life Cycle Emissions Values



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Thank you for your attention!

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