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ALTERNATIVE FUELS 2017  
ICAO Headquarters, Montréal, 8-9 February 2017



# Sustainability Criteria for CORSIA

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# Alternative Fuels in the CORSIA Context

- Sustainable alternative fuels (SAF) contribute to CO<sub>2</sub> emissions reduction
- CAEP is developing recommendations for the recognition of SAF under CORSIA
- This includes
  - Determine CO<sub>2</sub> emissions reduction of different SAF types (lifecycle analysis)
  - Sustainability criteria other than GHG emissions



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# General aspects

- Global nature of the ICAO CORSIA → requires a globally harmonized view of sustainability criteria
- Excellent opportunity for international aviation to define a globally recognized framework for sustainability of alternative fuels
- Build as much as possible upon existing sustainability standards and frameworks
  - Sustainability criteria (environmental, social, economic)
  - Compliance mechanism



# Existing standards and frameworks

## Regulatory standards



US RFS2  
EU RED\*  
ISPO  
etc.

\*recognizes 19 voluntary standards for compliance

## Voluntary standards



ISCC  
RSB  
RSPO  
etc.

## Global frameworks

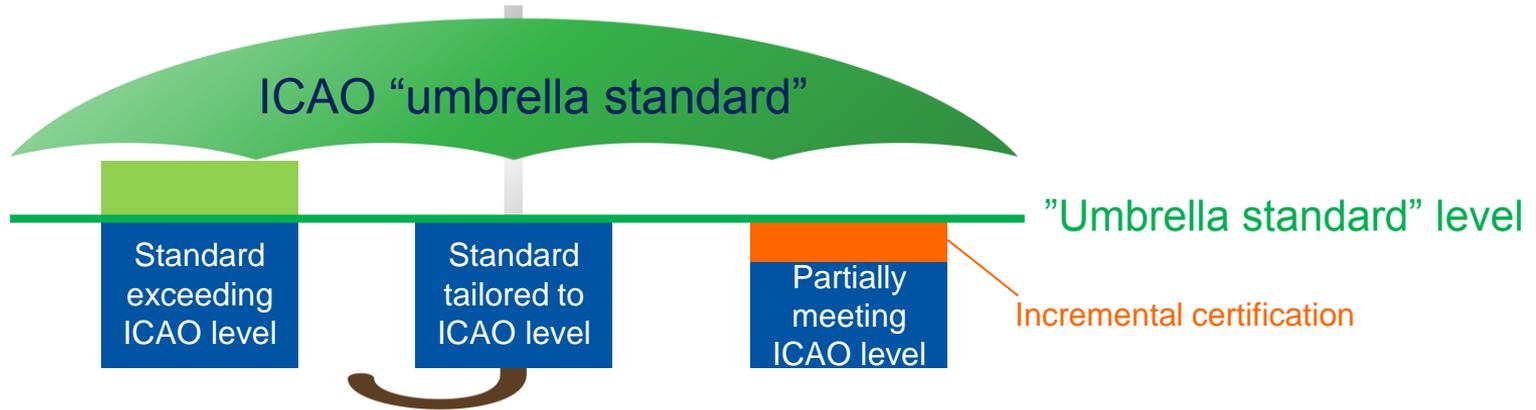


GBEP  
ISO 13065  
etc.

Existing sustainability standards use well-proven compliance mechanisms



# A suggested approach for building upon existing standards



A framework ("umbrella") standard would allow recognizing existing (current or future) regulatory or voluntary standards as suitable to demonstrate sustainability under CORSIA



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# Way forward

- Selection of relevant environmental sustainability principles and criteria
- Processes for recognition of sustainable alternative fuels under CORSIA
  - Requirements for compliance
  - Way to incorporate existing regulatory and/or voluntary standards



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