

Aviation Safety and Sustainability

A European perspective



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Your safety is our mission.

European Union Aviation Safety Agency



Mission: Ever Safer & Greener Civil Aviation in Europe and Worldwide

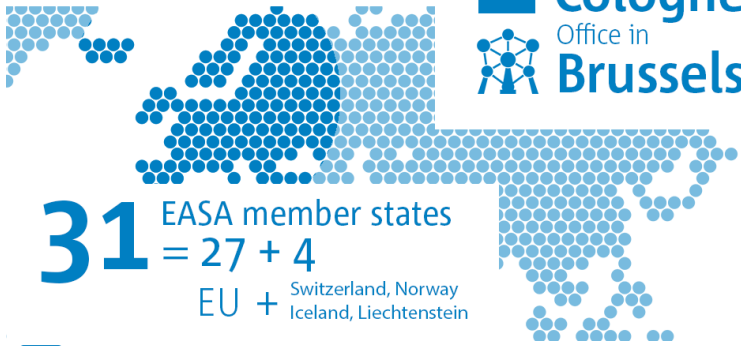
Established
2002



800

aviation experts
& administrators

Headquarters in
Cologne
Office in
Brussels



31 EASA member states
= 27 + 4
EU + Switzerland, Norway
Iceland, Liechtenstein



**Rulemaking
& Standards**

EASA drafts regulatory material, including Certification Specifications, Guiding Material



**Certification
& Approvals**

EASA certifies aviation products and approves organisations



**International
Cooperation**

Cooperate with international actors in order to achieve the highest safety level for EU citizens globally



**Safety
Intelligence**

EASA provides actionable safety intelligence through the collection and analysis of safety data.



**Oversight
& Support**

EASA provides both oversight and support to Member States in fields where it has shared competence



**Research &
Innovation**

EASA supports research, innovation and new developments of the aviation sector

EASA Mission in aviation as RSOO



Ensure the highest common level of aviation safety and environmental protection within the EU and worldwide in support of ICAO



Ensure safe and sustainable connectivity between Europe and other regions in support of the Aviation Authorities and Industry



Assist during COVID-19 by facilitating a regional approach for the benefit of **connectivity** between regions (e.g. EASA/ECDC Health Safety Protocol, accepted as regional means of compliance)



RSOOs like EASA can also support States in managing the crisis by allocating resources or taking over certain tasks

International Cooperation – Regional approach

- **EU strategic cooperation**
 - ICAO
- **Interoperability with EU**
 - BASA

- **Accession/integration with EU**
 - (European) Common Aviation Area Agreements
- **Interoperability with EU**
 - Regional Transport Action Plan

- **EU strategic cooperation**
- **Interoperability with EU**
 - BASA

- **Regional integration**
 - SARI support
- **Development of cooperation**
- **States and RSOOs to meet international obligations**
 - Oversight capacity building
 - CORSIA

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 - RSOO/RAIO
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 - ATM Master Plan
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 - ASEAN support
- **EU strategic cooperation**
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Active projects in Sub-Saharan Africa



Zambia – 1.8 M€, EU funded

CORSIA Africa and the Caribbean - 5 M€, EU funded

Support to SAATM – 5 M€, EU funded

EU-ASA – 5 M€, EU funded

Central Africa PASTA-CO – 1.7 M€, Funded by AfDB & Region

PAGIRN - 1.7 M€, EU funded

Changing landscape in aviation

Safety

A special attention to regional organisations

Environment

CORSIA, but also climate change actions (SAF, LTAG)

New airspace users / Aerodromes

(e)VTOL certification/ Drones management / Aerodromes certif.

(Cyber)Security

- New regulation (PART-IS) published by end of year

Health Safety

Updated protocol published on 11th May 2022

ECCAIRS 2.0

New agreement signed with ICAO on 10th March 2022



Innovative Air Mobility

Drones, eVTOL, vertiports & -pads, start-ups



Sustainability

SAF, CORSIA, electrical propulsion, noise/emission reduction



Cyber Security

Impact on aircraft design, development and operation

EASA Sustainable Aviation Programme





- Facilitating uptake of Sustainable Aviation Fuels

- ReFuelEU Aviation: Monitoring, reporting and analysis of SAF/Fuel/Aromatics
- Facilitating efficient approval processes: EU Clearing House
- Participation to RLCF Alliance



- Environmental Standards and Certification

- Robust, efficient and innovative certification process
- Environmental standards for Novel technologies (Drones, EVTOL, Super Sonic Transport)
- First time certification of an aircraft for CO₂ emissions (2021)
- ICAO: support to CAEP Working Groups (e.g. WG4, FTG co-rapporteurs)
- Noise and Emissions Database management





Research and innovation for sustainable aviation

- Support to EU Research programmes (Clean Aviation, SESAR3 JU's)
 - Hydrogen, Electric and Hybrid propulsion technologies
 - Greening of ATM
- Participation to Zero-Emission Aviation Alliance (AZEA), Chair WG4 on regulations
- Management of Environmental research projects (Noise, Emission, Market-Based Measures, Non-CO₂ effects & mitigation)





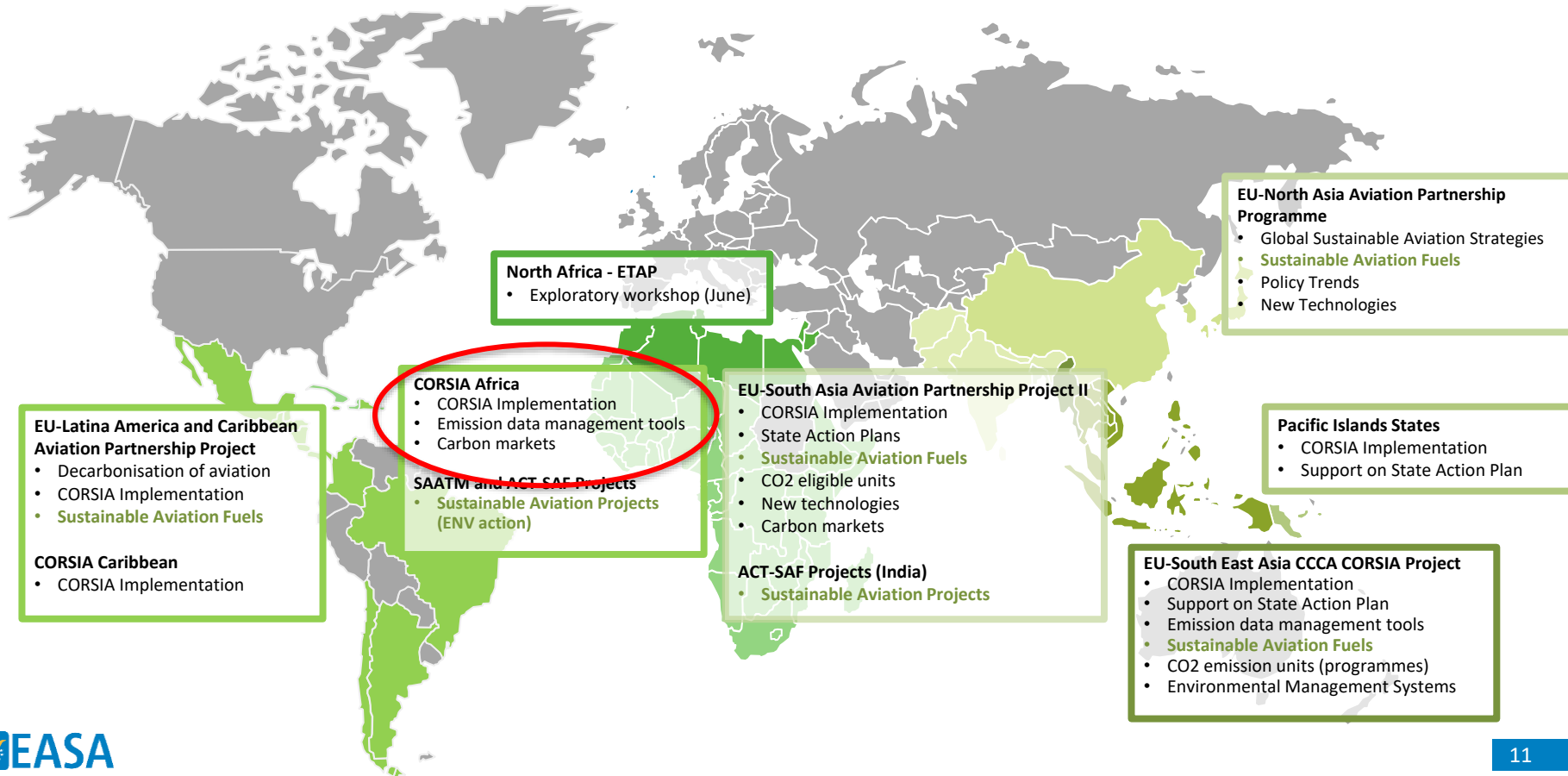
Environmental transparency

- Ongoing project: Environmental Labelling for Aviation enabling passengers making sustainable travel choices
- Publication of European Aviation Environmental Report
- ATM ENV Transparency (collaboration with Eurocontrol on ATM ENV metrics)

Environmental Cooperation

- Collaboration at ICAO level (CAEP)
- International cooperation: capacity building projects (CORSA, SAF, etc)
- Providing technical support to Commission on their request (e.g. supporting “Fitfor55” package, ETS Directive, Taxonomy,...)

Technical Cooperation – EU/EASA



Thank you for your attention

easa.europa.eu/connect



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An Agency of the European Union 