



Brunei Aviation Environment Database Management System

Final Workshop (DCA)

Thossaporn THOSSANSIN

Aviation Environment Database Management System (AeDMS)

IT Expert

4 Nov 2019

Your safety is our mission.



Introduction

- ICAO define standards and guidance to enable member state
- Contribution of Measures for reducing international aviation CO₂ Emissions
- CO₂ emissions starting January 1st 2019
- International Aviation Emissions Monitoring and Reporting from Aeroplane is a COSIA requirement

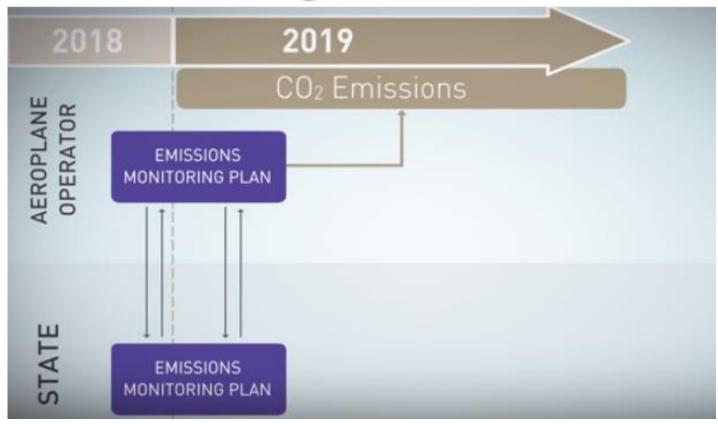




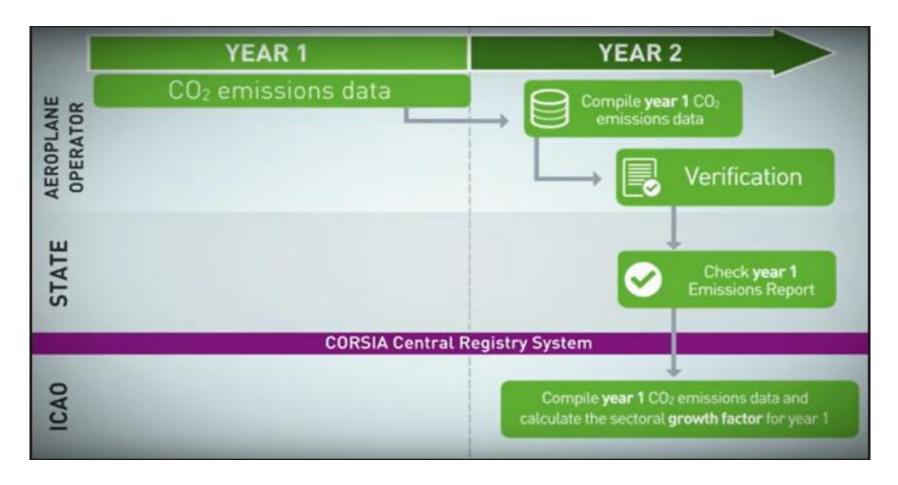




Emissions Monitoring Plan









Timeline for DCA

The aeroplane operator shall submit to BRUNEI DCA a copy of the verified Emissions Report and a copy of the associated Verification Report by 31 May in the calendar year, which follows the reporting period



Timeline for DCA

Aeroplane Operator's Emissions Report

 BRUNEI DCA shall calculate average total CO2 emissions of each aeroplane operator from 2019- 2020.

 BRUNEI DCA shall inform the aeroplane operator of this calculation by 30 September 2021.



Timeline for DCA

Brunei DCA report to ICAO

- Regarding the CO2 emissions for year 2019, BRUNEI DCA shall, by 31 August 2020
- Regarding the CO2 emissions for year 2020, BRUNEI DCA shall, by 31 August 2021
- Regarding the CO2 emissions for 2021- 2035 period, BRUNEI DCA shall, by 31 July 2022



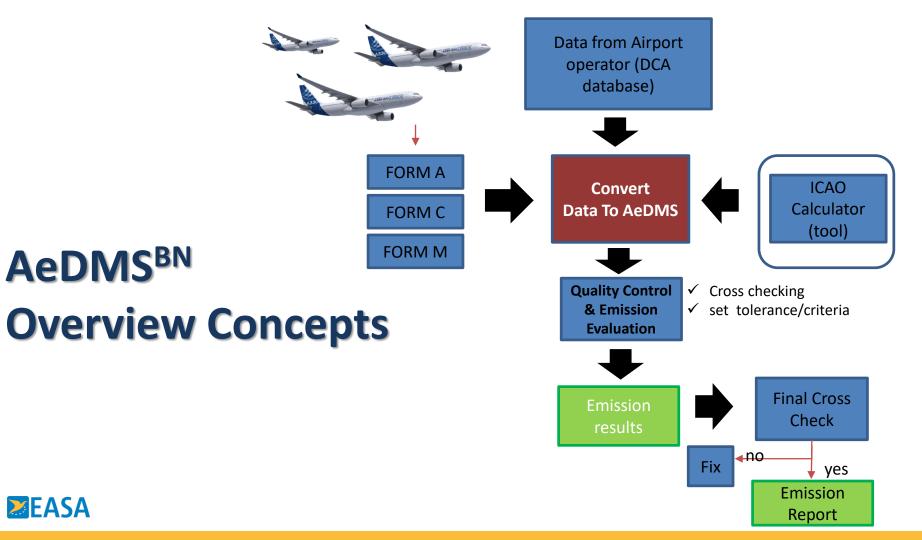




AeDMS^{BN} Overview Concepts

- FORMs required to be submitted by Aircraft Operators (ICAO statistic forms)
- Airport Operators submit statistical ICAO FORMs to DCA Brunei periodically
- Data are extracted and rearranged for further use (Greenhouse Gas Emissions Evaluation)
- Data Validation
- Consolidate data and preparing them for Emissions report







AeDMS^{BN}

Fuel Consumption



Traffic By Flight Stage



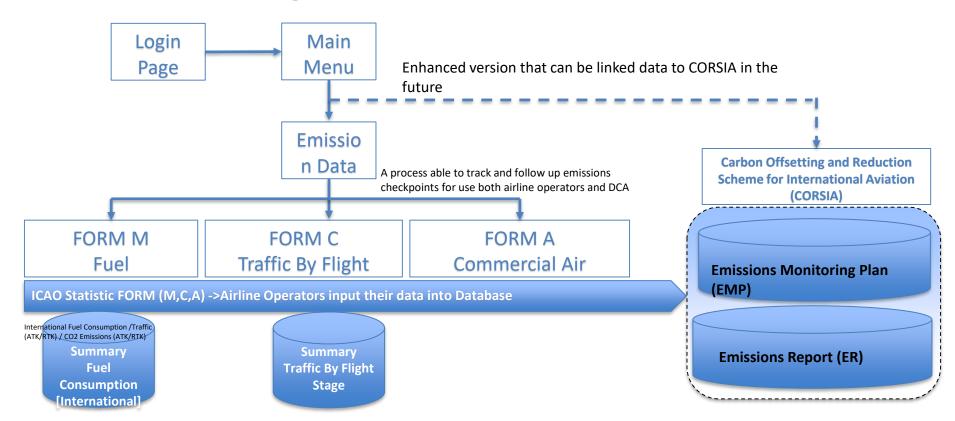
Traffic –
Commercial Air Carriers





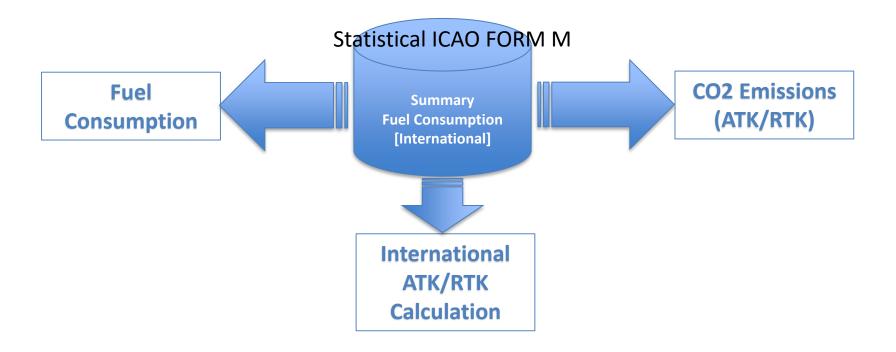


Database Program Structure



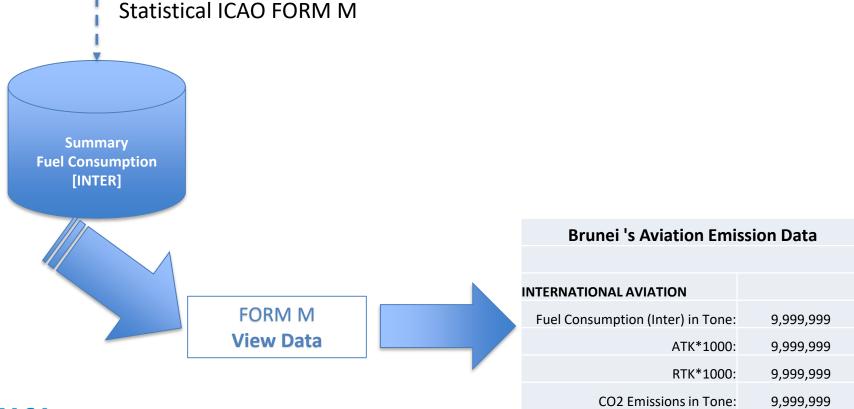


Database Program Structure (Continue.)



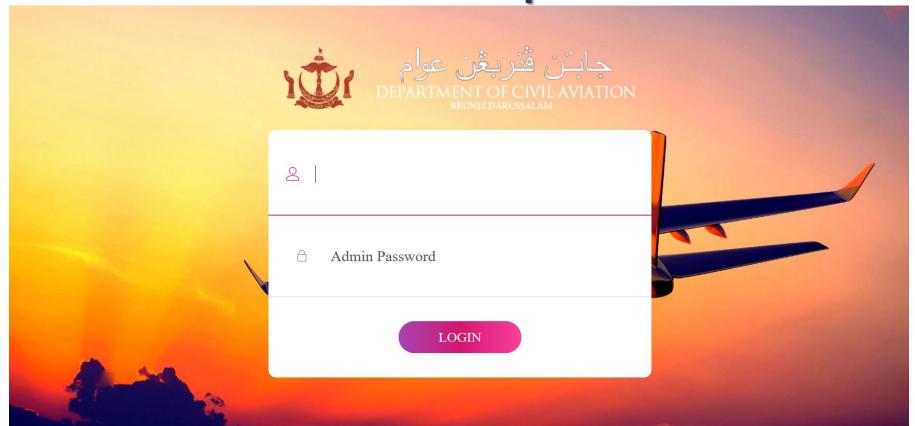


Database Program Structure





AeDMS^{BN} **Overview Concepts**





Administrator: Main program function

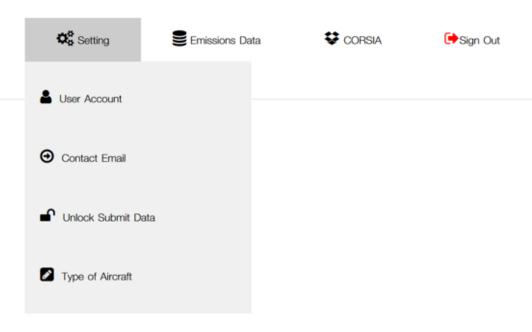
Admin Panels Setting **S** CORSIA Emissions Data Sign Out Welcome to AEDMS^{BN} DoubleClick



Setting

Admin Panels







Setting: User Account

Admin Panels











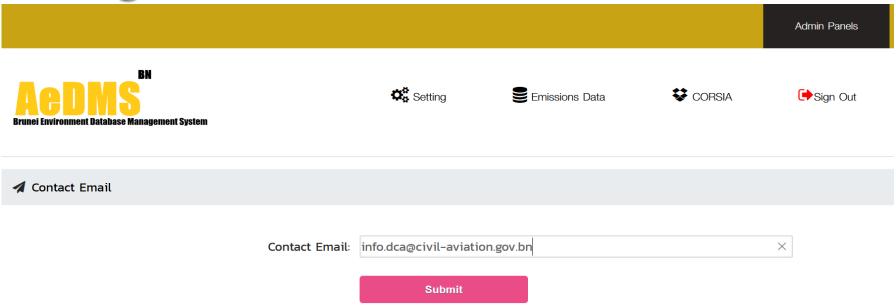
User Account



Name	Airline Name	User Name	Password	Email	
111	4444	111	******	111111@gmail.comdfdf	
BRU	Brunei	BRU	******		

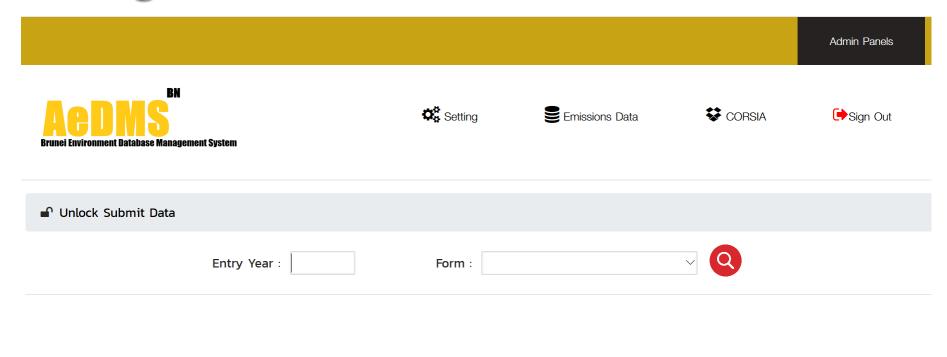


Setting: Contact Email



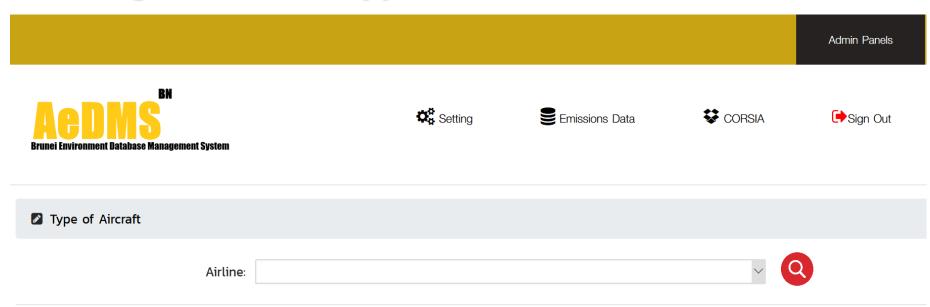


Setting: Unlock Submit Data





Setting: Aircraft Type

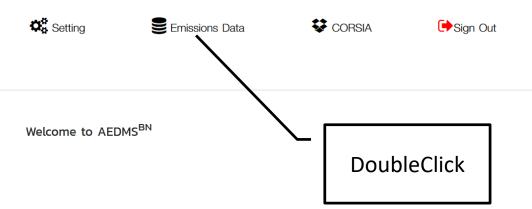




Emissions Data

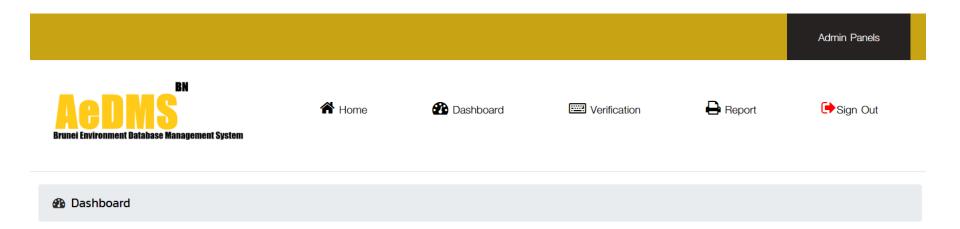
Admin Panels





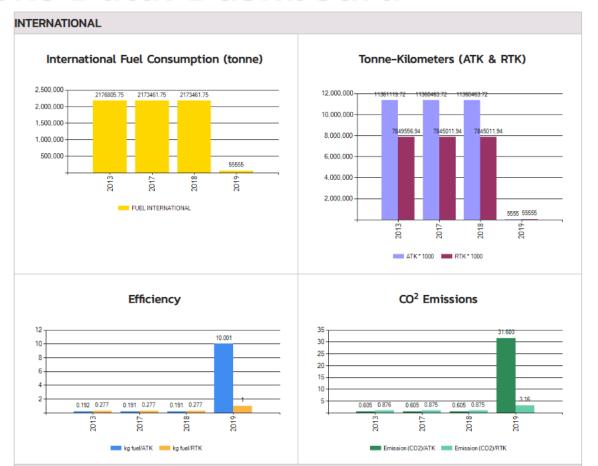


Emissions Data: Main Function



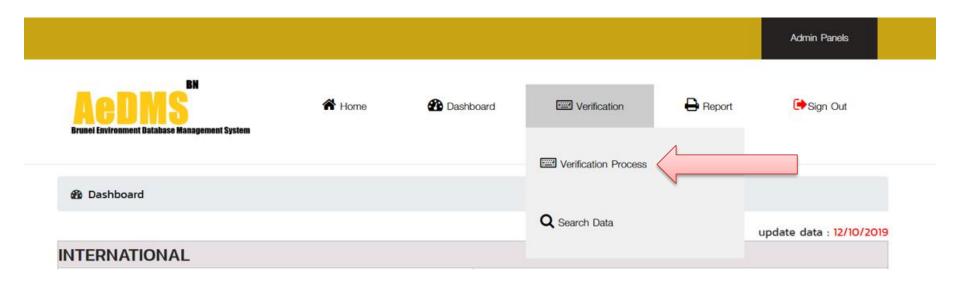


Emissions Data: Dashboard



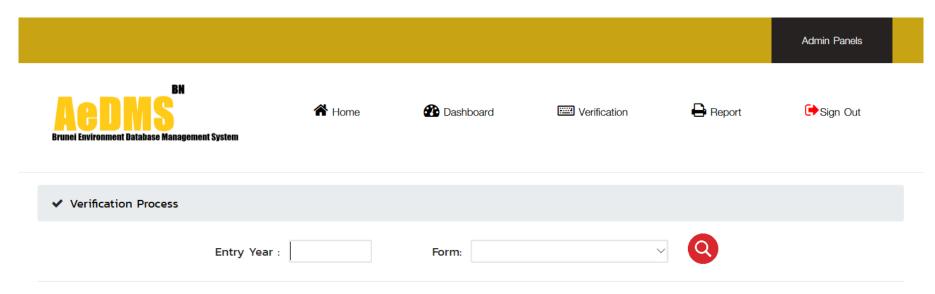


Emissions Data: Verification



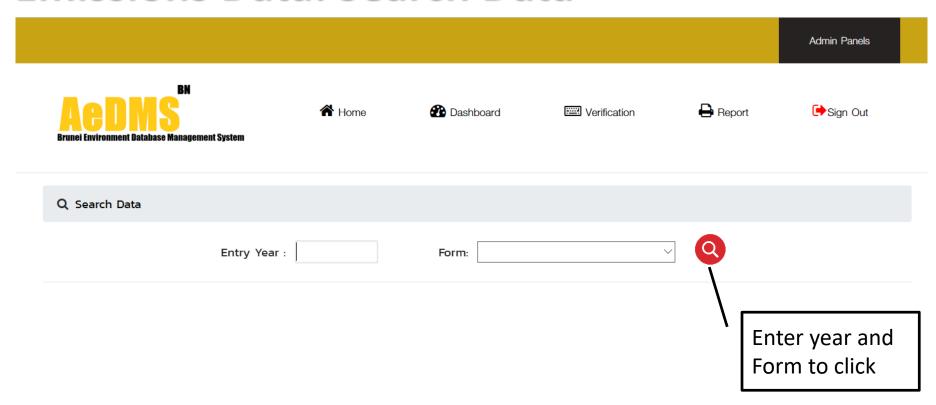


Emissions Data: Verification Process



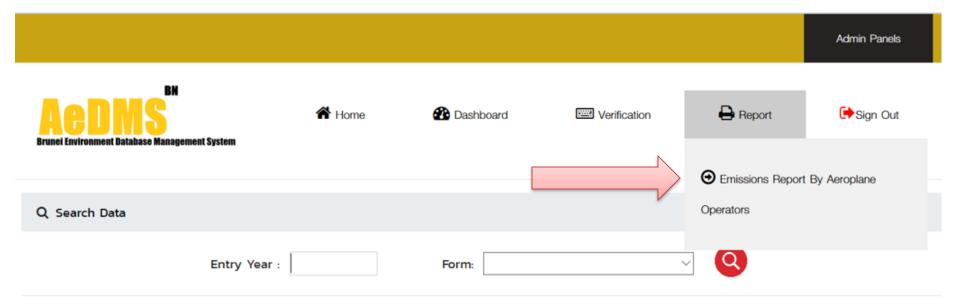


Emissions Data: Search Data



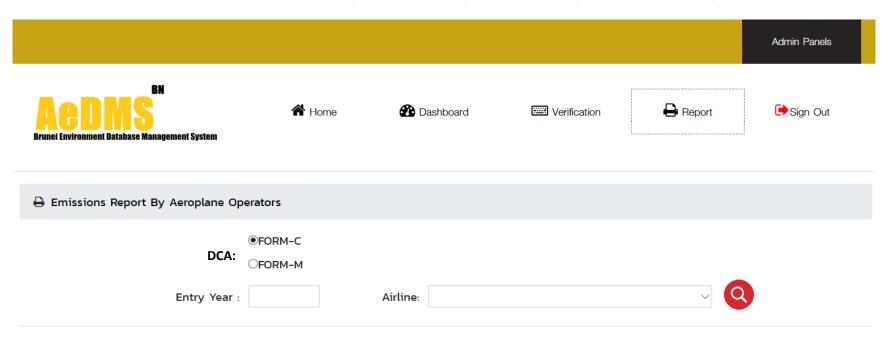


Emissions Data: Report





Emissions Data: Report By Aeroplane Operators





CORSIA

Admin Panels

Setting € Emissions Data CORSIA Sign Out

Welcome to AEDMS^{BN}

DoubleClick



CORSIA Main Function

RN

Admin Panels

Setting

Emissions Data

CORSIA

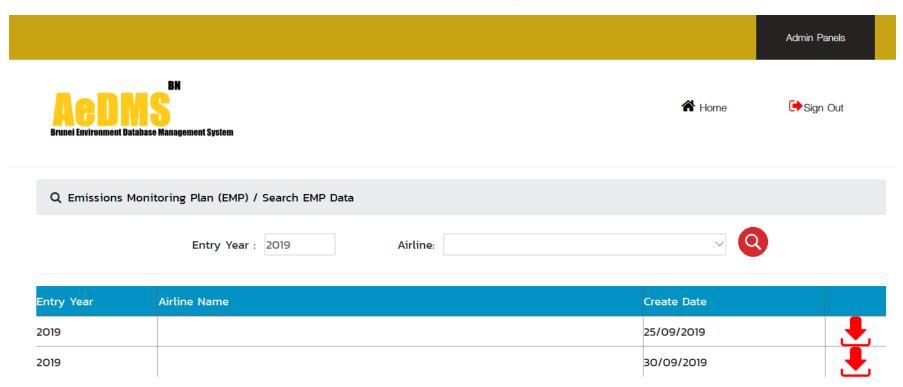
Sign Out

Welcome to AEDMS^{BN}

Emissions Report (ER)



CORSIA: Emission Monitoring Plan (EMP)





CORSIA Main Function

BN

Admin Panels

Setting

Emissions Data

CORSIA

CORSIA

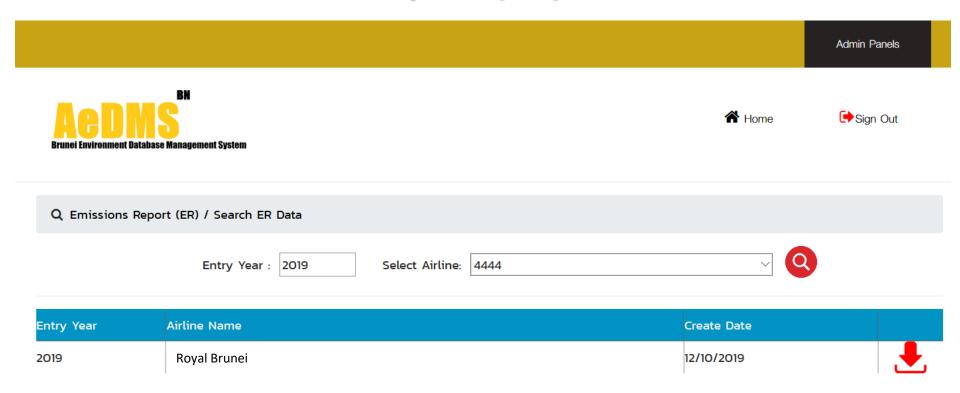
Fign Out

Welcome to AEDMS

Emissions Report (ER)



CORSIA: Emissions Report (ER)





Live Session: AeDMS^{PH} Workshop Step By Step:

How to integrate your emissions data into database













easa.europa.eu/connect













Your safety is our mission.

An Agency of the European Union