



# Aviation Emissions Report

February 2026





# Emissions analysis for largest markets - February 26 vs prior years

## 25 largest markets by total emissions

Date	February 2019	February 2025	February 2026
Origin Country	Total CO2 (Tonnes)	Total CO2 (Tonnes)	Total CO2 (Tonnes)
United States	12,948,667	12,712,110	12,762,609
China	7,375,855	7,784,048	8,471,758
United Kingdom, UK	2,369,350	2,206,971	2,212,689
United Arab Emirates	1,814,451	1,949,476	2,036,667
Japan	2,096,718	1,976,270	1,971,141
India	1,751,998	1,829,270	1,855,389
Australia	1,634,720	1,562,112	1,800,062
Spain and Canary Islands	1,265,958	1,458,423	1,485,172
Germany	1,686,201	1,362,115	1,338,354
Brazil	1,267,408	1,241,209	1,327,767
Canada	1,350,643	1,280,881	1,286,153
France	1,352,130	1,241,221	1,255,806
Thailand	1,284,497	1,103,111	1,176,207
Turkey	865,517	1,093,988	1,129,029
Russian Federation	1,263,829	1,049,085	1,094,174
Republic of Korea	1,053,765	993,294	1,013,712
Mexico	912,783	1,010,929	1,011,022
Singapore	943,729	919,192	939,098
Indonesia	1,011,290	893,374	874,378
Qatar	731,300	820,962	870,462
Italy	816,475	822,660	869,518
Saudi Arabia	656,667	821,594	868,546
Hong Kong	998,321	676,228	759,826
Vietnam	525,484	602,850	721,200
Malaysia	638,065	601,786	662,757

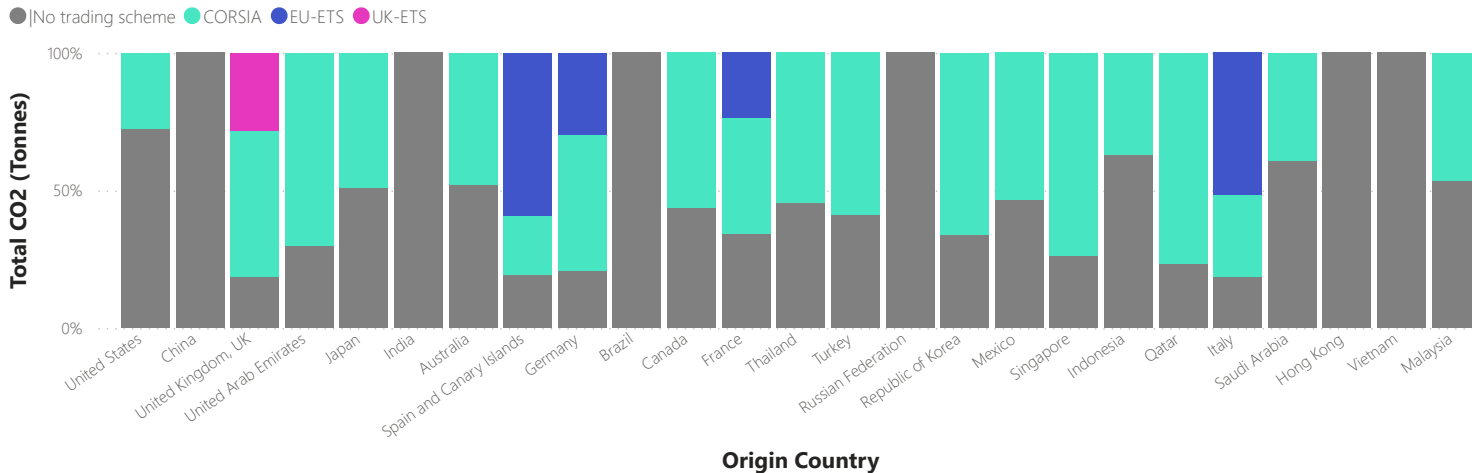
## Change in Emissions - Current month vs prior years

This year vs last year	This year vs 2019
0%	-1%
9%	15%
0%	-7%
4%	12%
-0%	-6%
1%	6%
15%	10%
2%	17%
-2%	-21%
7%	5%
0%	-5%
1%	-7%
7%	-8%
3%	30%
4%	-13%
2%	-4%
0%	11%
2%	-0%
-2%	-14%
6%	19%
6%	6%
6%	32%
12%	-24%
20%	37%
10%	4%

## Percent of Emissions covered by Compliance Programmes

February 2019 % covered	February 2025 % covered	February 2026 % covered
-	27.28%	27.48%
-	-	-
27.94%	82.40%	81.53%
-	70.74%	69.94%
-	46.79%	49.03%
-	-	-
-	51.03%	47.88%
61.10%	82.80%	80.78%
32.91%	80.45%	79.06%
-	-	-
-	56.62%	56.38%
24.83%	65.24%	65.83%
-	54.59%	54.61%
-	59.76%	58.94%
-	-	-
-	68.36%	66.00%
-	53.00%	53.51%
-	76.49%	73.63%
-	36.89%	36.92%
-	77.01%	76.65%
52.27%	82.60%	81.28%
-	43.11%	39.06%
-	-	-
-	-	-
-	48.30%	46.47%

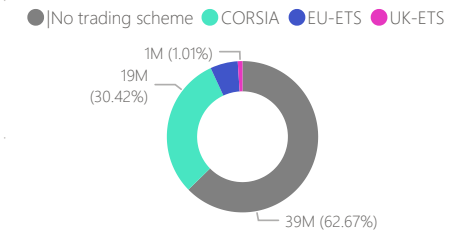
## 25 largest markets - emissions by Compliance Programme (current month)



## Global emissions (tonnes)

62M

## Emissions by compliance programme





# Emissions analysis for largest markets - YTD to Feb 26 vs prior years

## 25 largest markets by total emissions

YTD Period	YTD 2019	YTD Last Year	YTD This Year
Origin Country	Total CO2 (Tonnes)	Total CO2 (Tonnes)	Total CO2 (Tonnes)
United States	27,335,702	26,618,266	26,704,026
China	15,258,610	16,388,988	16,709,535
United Kingdom, UK	4,950,493	4,569,467	4,598,647
United Arab Emirates	3,872,104	4,098,884	4,307,526
Japan	4,392,335	4,180,674	4,151,949
India	3,732,913	3,843,798	3,920,923
Australia	3,526,284	3,375,977	3,879,677
Spain and Canary Islands	2,667,111	2,981,977	3,057,004
Brazil	2,782,391	2,689,019	2,858,522
Germany	3,539,041	2,814,398	2,808,922
Canada	2,850,352	2,707,757	2,718,681
France	2,861,906	2,579,475	2,637,920
Turkey	1,825,053	2,338,916	2,466,573
Thailand	2,701,200	2,354,879	2,459,900
Russian Federation	2,720,602	2,249,665	2,337,687
Mexico	1,944,943	2,138,880	2,166,329
Republic of Korea	2,214,012	2,116,264	2,139,399
Singapore	1,994,027	1,956,469	1,963,492
Indonesia	2,165,711	1,933,950	1,904,209
Saudi Arabia	1,402,606	1,730,955	1,858,430
Qatar	1,538,583	1,754,166	1,858,054
Italy	1,728,705	1,707,043	1,789,437
Hong Kong	2,108,090	1,433,957	1,581,845
Vietnam	1,079,692	1,262,193	1,455,408
Malaysia	1,334,457	1,282,763	1,378,886

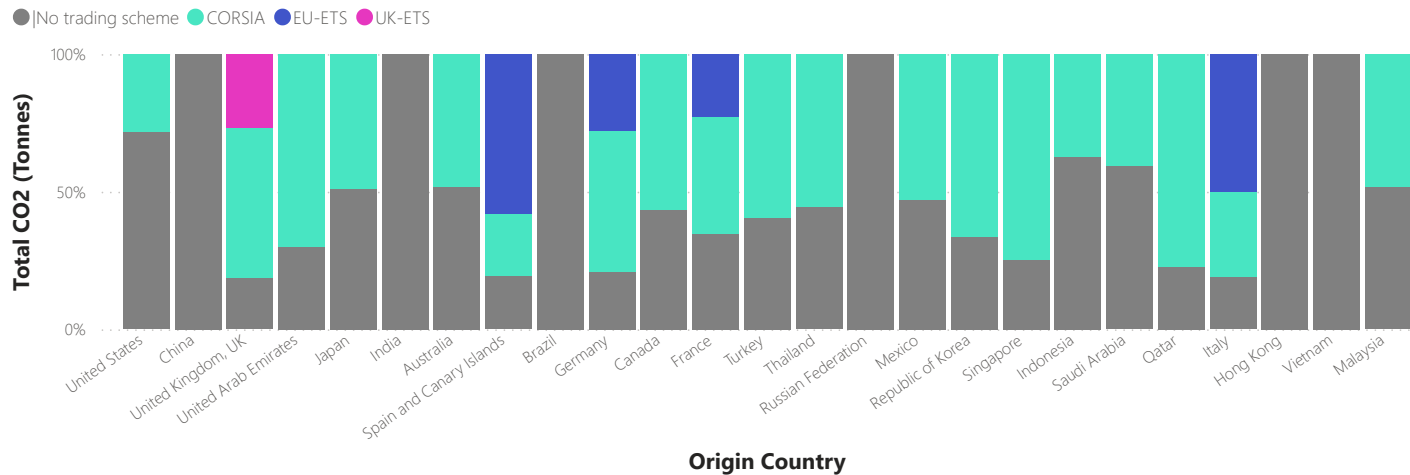
## Change in Emissions - Current month vs prior years



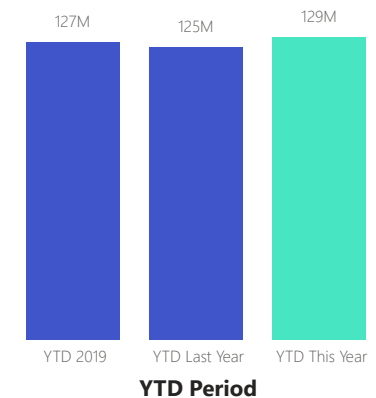
## Percent of Emissions covered by Compliance Programmes

YTD 2019	YTD Last Year	YTD This Year
Trading scheme %	Trading scheme %	Trading scheme %
-	27.78%	28.16%
-	-	-
27.15%	82.10%	81.21%
-	70.70%	70.00%
-	46.62%	49.02%
-	-	-
-	51.02%	48.29%
60.62%	82.16%	80.40%
-	-	-
32.23%	80.04%	78.91%
-	56.45%	56.37%
24.29%	65.02%	65.33%
-	60.24%	59.55%
-	53.93%	55.35%
-	-	-
-	53.23%	53.03%
-	68.28%	66.15%
-	76.33%	74.72%
-	36.83%	37.32%
-	43.20%	40.49%
-	77.08%	77.07%
51.26%	82.03%	80.78%
-	-	-
-	-	-
-	48.35%	48.06%

## 25 largest markets - emissions by Compliance Programme (current YTD)



## Global emissions (tonnes)





# RDC CARE Index by carrier and home continent - February 26

## Top 25 European Carriers

Carrier Name	CARE Index
DAT A/S	8.0
Norra - Nordic Regional Airlines	7.9
Wizz Air UK	7.8
Air Serbia	7.5
Marabu Airlines	7.5
Smartwings Hungary	7.5
Smartwings Slovakia	7.5
Wizz Air	7.4
French Bee	7.3
KM Malta Airlines	7.2
Iberojet	7.2
Jet2	7.1
Sunclass Airlines	7.1
World2Fly	7.1
TUI Airways	7.0
Smartwings Poland	6.9
Norse Atlantic Airways UK	6.9
Transavia	6.9
Wizz Air Malta	6.8
Southwind Airlines	6.8
SmartWings	6.8
SunExpress	6.7
Ryanair	6.7
Buzz	6.7
Malta Air	6.7

## Top 25 North American Carriers

Carrier Name	CARE Index
Flair Airlines	7.0
Air Transat	6.8
Frontier Airlines	6.8
Porter Airlines Canada	6.6
Volaris	6.4
WestJet	6.2
Spirit Airlines	6.2
Aeromexico	6.1
Sun Country	6.1
Allegiant Air	6.1
Breeze Airways	6.0
Air Canada	6.0
Avelo Air	5.9
JetBlue	5.8
Delta Air Lines	5.7
Air Canada Rouge	5.6
United Airlines	5.6
Mexicana	5.6
American Airlines	5.5
VivaAerobus	5.3
Air Saint-Pierre	5.3
Calm Air International	5.1
ConocoPhillips Alaska Inc	5.0
Alaska Airlines	4.8
Nolinor Aviation	4.3

## Top 25 Asian Carriers

Carrier Name	CARE Index
Air Cambodia	7.9
UTair Aviation	7.2
IndiGo	7.1
Myanmar Airways International	7.0
Air Premia	6.9
Chongqing Airlines	6.8
Akasa Air	6.7
Thai AirAsia X	6.7
ZIPAIR Tokyo	6.6
Centrum Air	6.6
Scoot	6.6
AirAsia X	6.6
Myanmar National Airlines	6.3
Hong Kong Express	6.3
Spring Airlines Japan	6.2
MASWings	6.2
Greater Bay Airlines	6.2
Nordwind Airlines	6.1
STARLUX Airlines	6.1
AirSial	6.1
Sky Angkor Airlines	6.1
airblue	6.1
NordStar Airlines	6.1
Fuzhou Airlines	6.1
Fly Jinnah	6.1

## Top 25 RoW Carriers

Carrier Name	CARE Index
Precision Air	7.4
Clic Air S.A.	7.1
Arajjet	7.1
flydubai	6.6
Sky Airline	6.6
Sky Airline Peru	6.6
Flynas	6.6
Royal Air Maroc	6.5
Air New Zealand	6.5
Red Sea Airlines	6.4
SalamAir	6.4
Aircalin	6.3
Air Tahiti Nui	6.3
UR Airlines	6.2
Air Mauritius	6.2
Air Algerie	6.2
Fiji Airways	6.1
EI Al	6.1
Azul	6.0
Jazeera Airways	6.0
Copa Airlines	6.0
Jetstar Airways	6.0
Oman Air	6.0
Air Arabia	5.9
Nouvelair Tunisie	5.9

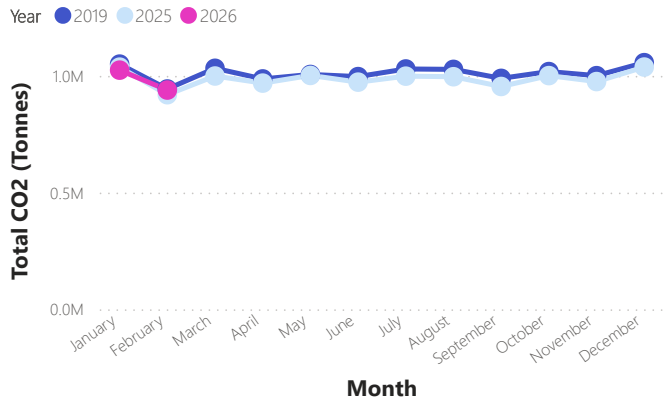
The CARE Index is a measure of airline route sustainability, based around our emissions methodology and various other factors, that has been developed to give business and consumers the best information on which to make their purchasing decisions - particularly when it comes to making more environmentally friendly choices. Most 'efficiency measures' use CO2 per passenger, per seat or per available seat kilometre (ASK), which can be hard to understand for consumers. The CARE Index creates a score between 0 (worst) to 10 (best) for any air route, airline and aircraft combination, taking into account:

- fuel burn and **efficiency of the aircraft type**
- **efficiency of the airline** – using specific seat capacity, configuration and overall occupancy rates (load factor)
- use of **Sustainable Alternative Fuels (SAF)**
- if the route is part of a **compliance or regulatory emissions programme** such as EU ETS etc
- whether the **operator offsets any emissions over and above that which is legally required**

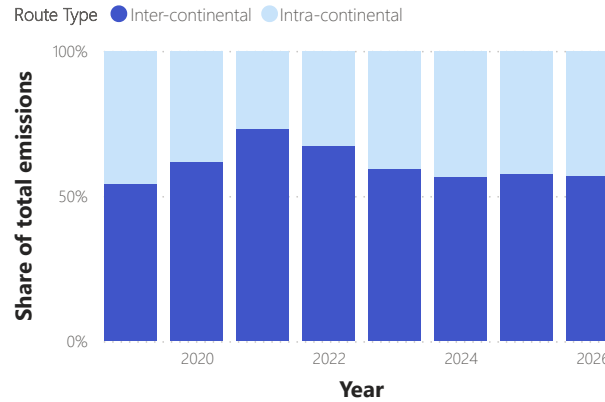
The CARE index has been designed to be a force for change, giving consumers better insight into the environmental impact of their chosen airline that will also help to shape airline sustainability strategies.

# This month's focus country: Singapore

### Total CO2 (Tonnes) by Month and Year



### CO2 by Year and Route Type



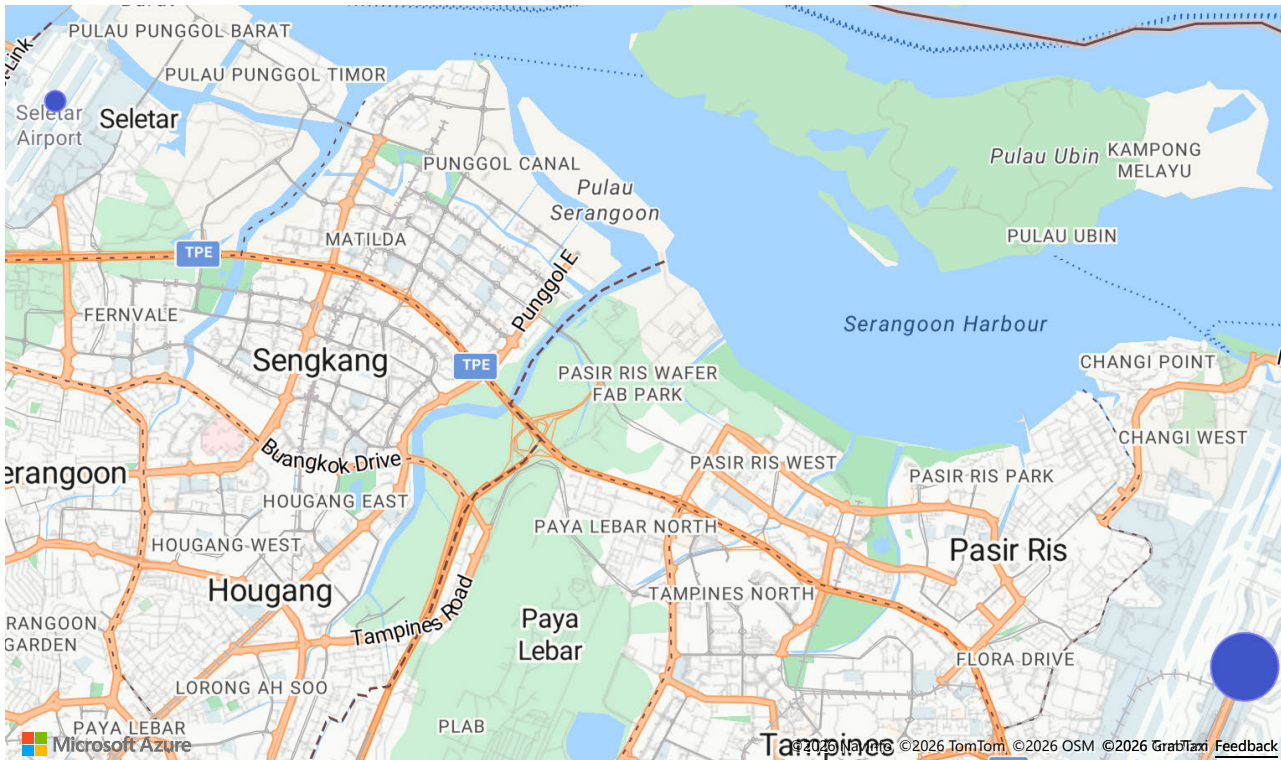
### 10 largest markets by seat capacity ranked by lowest Emissions per ASK - last 12 months

Destination Country	Emissions per ASK (g)	Total CO2 (Tonnes)
Philippines	59.75	238,218
India	61.10	699,814
China	61.63	1,161,310
Thailand	65.61	277,161
Vietnam	67.06	150,731
Japan	69.94	747,021
Hong Kong	69.98	256,915
Indonesia	70.59	416,553
Australia	72.41	1,578,020
Malaysia	86.05	179,351

### 10 largest carrier by emissions ranked by highest total emissions - last 12 months

Carrier Name	Emissions per ASK (g)	Total CO2 (Tonnes)
Singapore Airlines	81.65	5,642,251
Scoot	52.40	1,045,280
Qantas	83.05	518,062
Emirates	78.07	331,393
British Airways	95.69	267,437
China Eastern Airlines	70.10	215,599
Lufthansa	84.17	207,339
United Airlines	73.15	195,638
Turkish Airlines	64.29	182,987
Air France	66.27	159,551

### Largest origin airports by total emissions - last 12 months



### Emissions by airport - last 12 months

Origin Name	Total CO2 (Tonnes)	Emissions per ASK (g)
Singapore - Changi Airport	11,866,505	72.69
Singapore - Seletar Airport	3,635	82.00

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For decades RDC have been monitoring and modelling the CO<sub>2</sub> emissions arising from the growing aviation industry. We have the ability to calculate and report detailed airline operating expenses - including fuel burn, which in turn gives us the CO<sub>2</sub> output from flying.

To find out more about how RDC can deliver CO<sub>2</sub> emissions data for your business services, get in touch at [rdcaviation.com/contact](https://rdcaviation.com/contact)



Our CO<sub>2</sub> emissions methodology and data has been independently audited and verified by [Normec Verifavia](https://www.normec.com)

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