



Aviation Emissions Report

April 2026





Emissions analysis for largest markets - April 26 vs prior years

25 largest markets by total emissions

Date	April 2019	April 2025	April 2026
Origin Country	Total CO2 (Tonnes)	Total CO2 (Tonnes)	Total CO2 (Tonnes)
United States	15,084,463	14,936,587	14,682,022
China	7,656,647	7,833,897	7,848,777
United Kingdom, UK	2,815,380	2,713,164	2,624,249
Japan	2,319,913	2,189,877	2,116,772
India	1,698,725	1,943,052	1,903,961
Spain and Canary Islands	1,651,648	1,852,843	1,896,512
Australia	1,689,678	1,622,023	1,692,547
Germany	2,009,778	1,781,505	1,684,120
France	1,631,037	1,534,908	1,494,793
Canada	1,465,153	1,428,610	1,449,467
Turkey	1,038,135	1,386,208	1,331,575
Brazil	1,226,026	1,274,426	1,260,889
Italy	1,090,589	1,222,353	1,250,399
Russian Federation	1,447,849	1,206,338	1,209,430
United Arab Emirates	1,792,106	2,064,411	1,144,822
Mexico	1,018,402	1,110,095	1,062,279
Republic of Korea	1,131,288	1,013,141	1,045,292
Thailand	1,202,289	1,054,507	1,035,078
Singapore	987,331	969,406	942,360
Indonesia	1,072,884	972,402	884,520
Hong Kong	1,057,244	729,097	796,055
Netherlands	799,522	728,883	734,674
Saudi Arabia	715,913	866,424	727,632
Malaysia	673,329	625,343	623,994
Vietnam	563,642	601,595	618,702

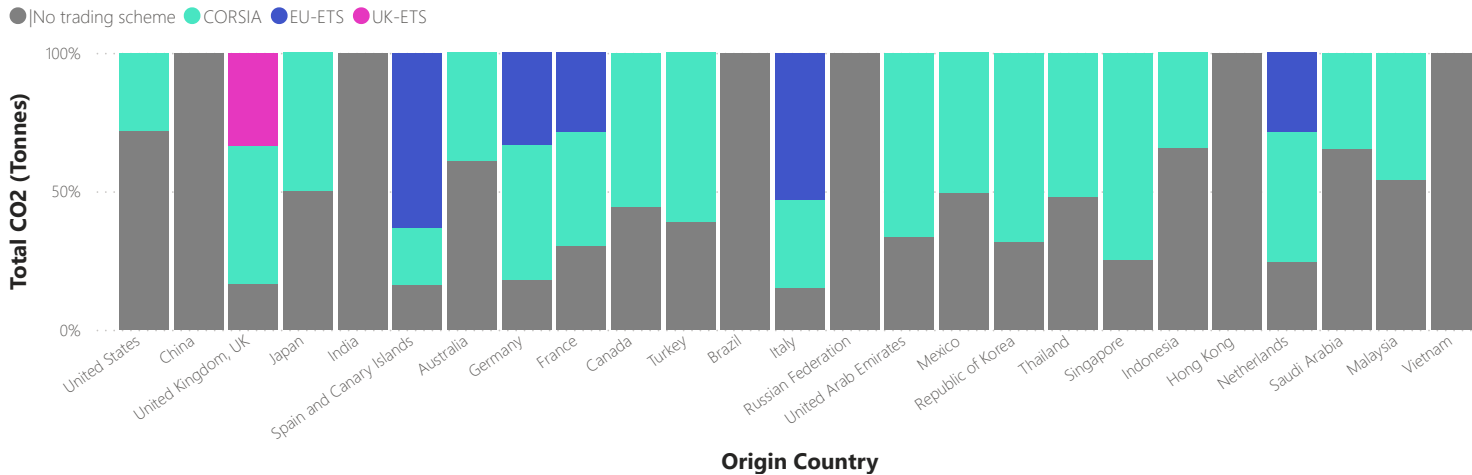
Change in Emissions - Current month vs prior years

This year vs last year	This year vs 2019
-2%	-3%
0%	3%
-3%	-7%
-3%	-9%
-2%	12%
2%	15%
4%	0%
-5%	-16%
-3%	-8%
1%	-1%
-4%	28%
-1%	3%
2%	15%
0%	-16%
-45%	-36%
-4%	4%
3%	-8%
-2%	-14%
-3%	-5%
-9%	-18%
9%	-25%
1%	-8%
-16%	2%
-0%	-7%
3%	10%

Percent of Emissions covered by Compliance Programmes

April 2019 % covered	April 2025 % covered	April 2026 % covered
-	29.18%	28.03%
-	-	-
31.78%	85.33%	83.24%
-	47.88%	49.91%
-	-	-
63.99%	85.17%	83.97%
-	50.08%	39.09%
33.66%	83.21%	81.72%
29.33%	70.26%	69.69%
-	58.19%	55.53%
-	62.22%	61.11%
-	-	-
52.41%	85.92%	84.98%
-	-	-
-	70.50%	66.39%
-	49.90%	50.69%
-	67.81%	68.11%
-	53.06%	51.81%
-	75.99%	74.69%
-	34.98%	34.31%
-	-	-
25.05%	78.18%	75.48%
-	39.27%	34.57%
-	46.96%	45.76%
-	-	-

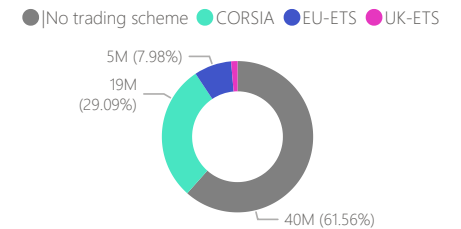
25 largest markets - emissions by Compliance Programme (current month)



Global emissions (tonnes)

65M

Emissions by compliance programme



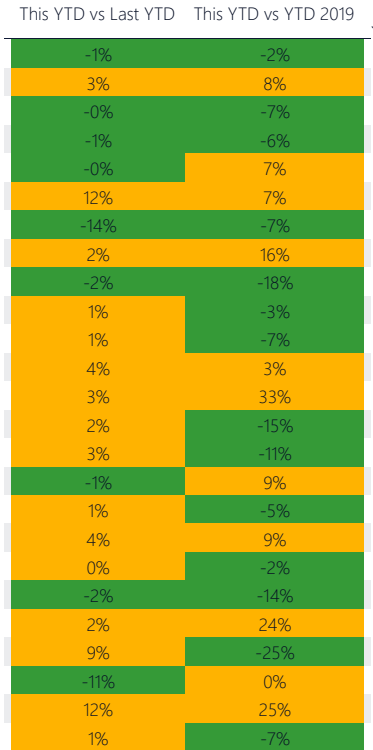


Emissions analysis for largest markets - YTD to Apr 26 vs prior years

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	57,776,603	56,807,749	56,495,859
China	30,569,309	32,011,888	33,007,136
United Kingdom, UK	10,443,524	9,787,357	9,744,348
Japan	9,058,121	8,601,056	8,474,589
India	7,295,373	7,819,003	7,811,293
Australia	6,961,970	6,650,137	7,437,412
United Arab Emirates	7,685,081	8,300,214	7,170,562
Spain and Canary Islands	5,790,406	6,552,519	6,712,282
Germany	7,487,074	6,233,917	6,115,430
Canada	5,842,192	5,598,435	5,647,828
France	6,012,976	5,526,938	5,562,377
Brazil	5,345,857	5,300,960	5,530,234
Turkey	3,843,132	4,935,086	5,102,187
Russian Federation	5,603,406	4,651,772	4,756,134
Thailand	5,284,289	4,566,134	4,714,494
Mexico	4,015,430	4,416,315	4,388,175
Republic of Korea	4,483,525	4,194,691	4,250,793
Italy	3,761,876	3,929,475	4,091,149
Singapore	4,015,280	3,926,765	3,932,869
Indonesia	4,331,212	3,824,537	3,745,619
Saudi Arabia	2,848,558	3,464,415	3,518,689
Hong Kong	4,242,241	2,913,282	3,177,319
Qatar	3,119,709	3,532,891	3,130,175
Vietnam	2,225,766	2,490,684	2,789,974
Netherlands	2,948,169	2,728,519	2,755,413

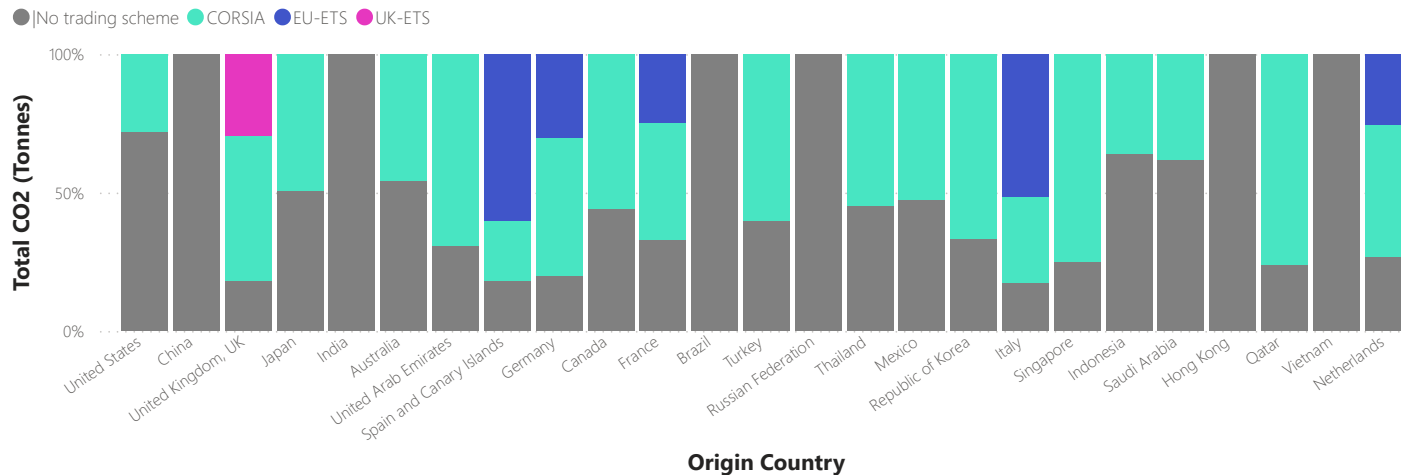
Change in Emissions - Current month vs prior years



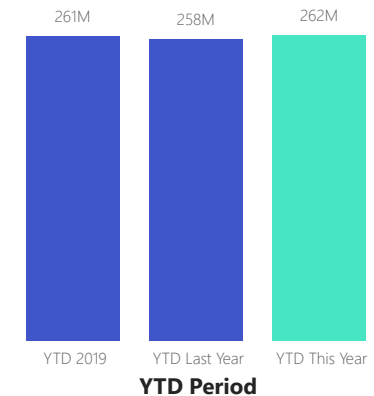
Percent of Emissions covered by Compliance Programmes

YTD 2019	YTD Last Year	YTD This Year
Trading scheme %	Trading scheme %	Trading scheme %
-	28.07%	27.85%
-	-	-
28.75%	83.29%	81.94%
-	47.11%	49.44%
-	-	-
-	50.87%	45.70%
-	70.66%	69.02%
61.88%	83.45%	81.97%
32.70%	81.28%	79.96%
-	57.19%	55.92%
26.05%	67.25%	67.14%
-	-	-
-	60.79%	60.16%
-	-	-
-	53.94%	54.54%
-	52.42%	52.72%
-	68.24%	66.75%
51.52%	83.70%	82.55%
-	76.33%	74.81%
-	36.13%	35.91%
-	40.82%	37.95%
-	-	-
-	76.97%	76.01%
-	-	-
23.71%	76.06%	72.98%

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



Global emissions (tonnes)





RDC CARE Index by carrier and home continent - April 26

Top 25 European Carriers

Carrier Name	CARE Index
La Compagnie	7.9
Wizz Air UK	7.8
Smartwings Slovakia	7.6
Norra - Nordic Regional Airlines	7.6
Marabu Airlines	7.4
Wizz Air	7.4
TUIfly Nordic	7.4
Iberojet	7.3
Sunclass Airlines	7.3
World2Fly	7.3
French Bee	7.3
TUI Airways	7.2
KM Malta Airlines	7.2
Air Serbia	7.1
Smartwings Poland	7.1
Jet2	7.1
Transavia	7.0
Norse Atlantic Airways UK	7.0
Corendon Dutch Airlines	6.9
SunExpress	6.9
Norse Atlantic Airways	6.8
Buzz	6.8
SmartWings	6.8
Wizz Air Malta	6.7

Top 25 North American Carriers

Carrier Name	CARE Index
Flair Airlines	6.9
Air Transat	6.8
Frontier Airlines	6.8
Porter Airlines Canada	6.5
Volaris	6.4
Spirit Airlines	6.1
Aeromexico	6.1
Avelo Air	6.1
WestJet	6.1
Air Canada	6.0
Allegiant Air	6.0
Breeze Airways	6.0
Sun Country	5.9
JetBlue	5.8
Air Canada Rouge	5.8
Delta Air Lines	5.7
United Airlines	5.6
Mexicana	5.5
American Airlines	5.5
Air Saint-Pierre	5.3
VivaAerobus	5.3
Calm Air International	5.1
ConocoPhillips Alaska Inc	5.0
Alaska Airlines	4.9

Top 25 Asian Carriers

Carrier Name	CARE Index
UTair Aviation	7.2
IndiGo	7.1
Myanmar Airways International	6.9
Air Premia	6.9
Myanmar National Airlines	6.8
Akasa Air	6.8
Chongqing Airlines	6.8
Thai AirAsia X	6.7
ZIPAIR Tokyo	6.6
Scoot	6.6
AirAsia X	6.6
Hong Kong Express	6.4
Asia Union Airlines	6.3
Centrum Air	6.3
Nordwind Airlines	6.3
MASWings	6.2
AirSial	6.2
Greater Bay Airlines	6.2
Spring Airlines Japan	6.1
Sun Phu Quoc Airways	6.1
Ariana Afghan Airlines	6.1
STARLUX Airlines	6.1
AirAsia Cambodia	6.1
Air Samarkand	6.0

Top 25 RoW Carriers

Carrier Name	CARE Index
FlyGabon	8.0
Arajjet	7.1
Fiji Airways	7.0
Clic Air S.A.	6.9
flydubai	6.7
Jazeera Airways	6.7
Air New Zealand	6.6
Sky Airline	6.6
Flynas	6.5
Sky Airline Peru	6.5
Royal Air Maroc	6.5
Red Sea Airlines	6.4
Aircalin	6.4
Air Tahiti Nui	6.4
SalamAir	6.3
EI AI	6.2
Azul	6.1
UR Airlines	6.1
Oman Air	6.1
Air Algerie	6.1
Copa Airlines	6.0
Jetstar Airways	6.0
Air Arabia	6.0
Nesma Airlines	6.0

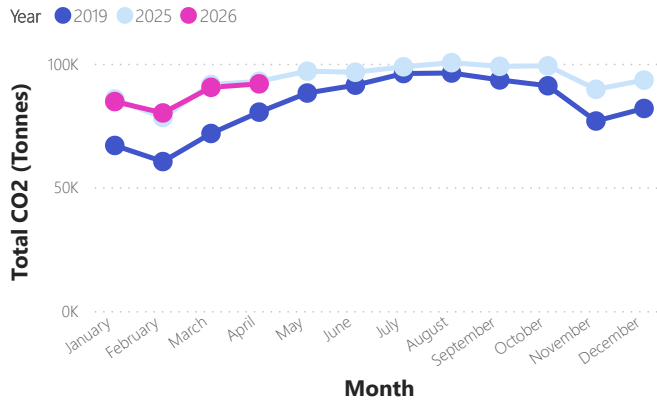
The CARE Index is a measure of airline route sustainability, based around our emissions methodology and various other factors, that has been developed to give business and consumers the best information on which to make their purchasing decisions - particularly when it comes to making more environmentally 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**

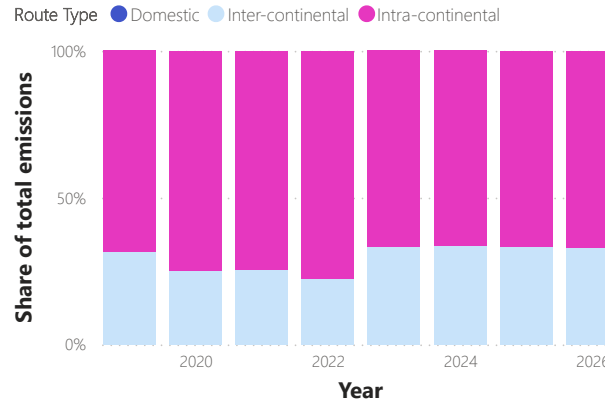
The CARE index has been designed to be a force for change, giving consumers better insight into the environmental impact of their chosen airline that will also help to shape airline sustainability strategies.

This month's focus country: Hungary

Total CO2 (Tonnes) by Month and Year



CO2 by Year and Route Type



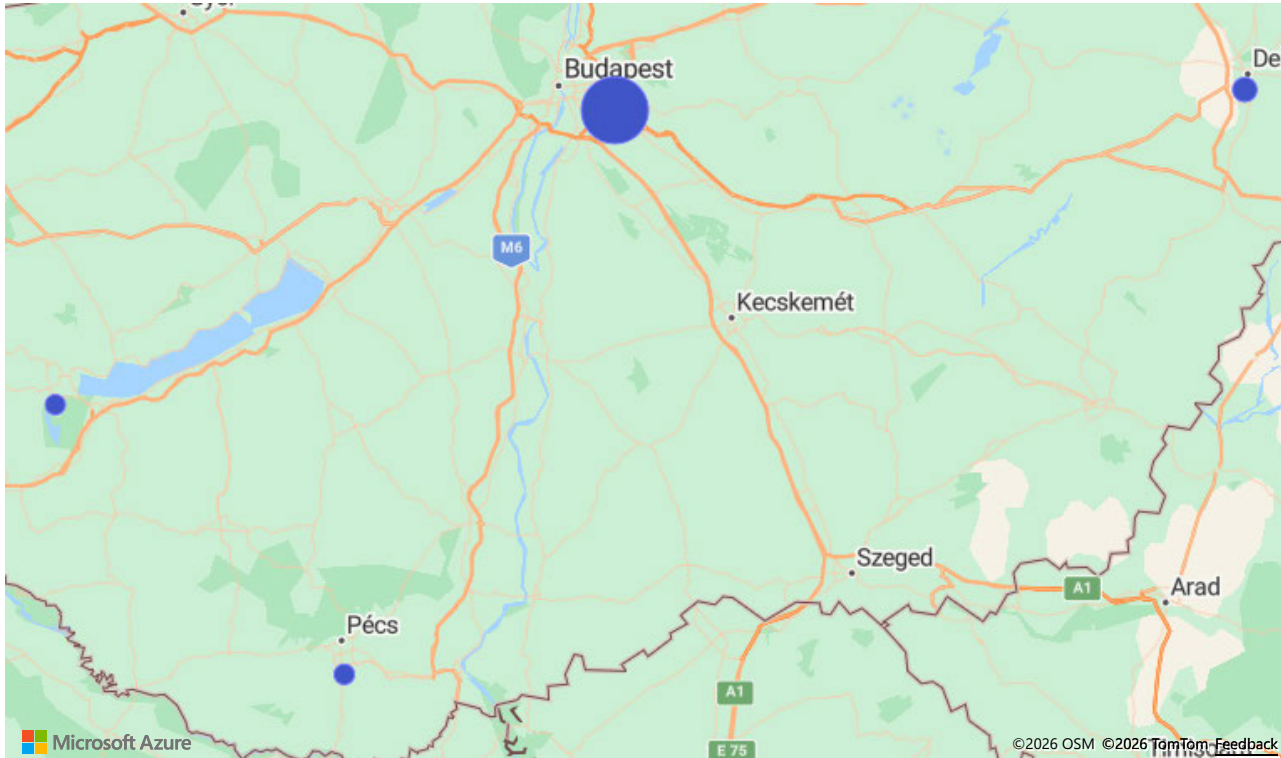
10 largest markets by seat capacity ranked by lowest Emissions per ASK - last 12 months

Destination Country	Emissions per ASK (g)	Total CO2 (Tonnes)
Spain and Canary Islands	50.06	120,812
Israel	56.89	56,905
United Kingdom, UK	57.00	126,350
Greece	59.45	32,711
France	60.48	43,140
Netherlands	60.55	31,743
Italy	61.78	78,569
Turkey	63.81	36,983
Switzerland	65.99	24,573
Germany	69.57	67,908

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

Carrier Name	Emissions per ASK (g)	Total CO2 (Tonnes)
Wizz Air	49.16	288,648
Buzz	60.43	164,878
Shanghai Airlines	62.25	78,201
Ryanair	54.42	62,704
Emirates	72.04	37,964
Air China	60.48	36,231
Lufthansa	73.72	29,856
Korean Air	61.45	26,582
China Southern Airlines	63.50	24,746
Malta Air	63.83	24,233

Largest origin airports by total emissions - last 12 months



Emissions by airport - last 12 months

Origin Name	Total CO2 (Tonnes)	Emissions per ASK (g)
Budapest - Ferenc Liszt Airport	1,111,238	58.79
Debrecen Airport	9,203	60.47
Pécs Airport	76	80.50
FlyBalaton Airport	23	102.22

RDC is a UK-based data and technology provider to the international air transport industry. The company has over 300 clients of its Apex and AirportCharges products, which provide market intelligence to operators of aircraft and airports, investors, OEMs and regulators.

For decades RDC have been monitoring and modelling the CO₂ 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 CO₂ output from flying.

To find out more about how RDC can deliver CO₂ emissions data for your business services, get in touch at rdcaviation.com/contact



Our CO₂ emissions methodology and data has been independently audited and verified by [Normec Verifavia](https://www.normec.com)

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