



Travel report

20XX

Company AB

Issued by

TRICORONA
CLIMATE PARTNER

Datum

In collaboration with

Travel agent

Climate Impact Report

Company AB's Air Travel 20XX

Introduction

Tricorona has calculated the climate impact from Company AB's air travel during 20XX, based on data supplied by Travel agent.

Each flight has been calculated separately, using great circle distances between the specific airports, to take full account of take-off and landing cycles.

The calculations are based on NTM's calculation method and take account of all climate impact from the flight, including non-carbon emissions. To achieve this result, the carbon emissions at high altitude are multiplied by a factor of 2.7 to achieve a total figure expressed in terms of carbon dioxide equivalent (CO₂e).

For full methodology please visit <https://www.tricorona.se/klimatkompensation/berakningsmetod/>

Summary Results

The total emissions from Company AB's flights during 20XX are shown below. Distances are reported in passenger-kilometres (pkm), which is the total transported distance for all individuals. For carbon offsets the total emissions are rounded up to nearest whole number, giving 606 tons of carbon dioxide equivalents.

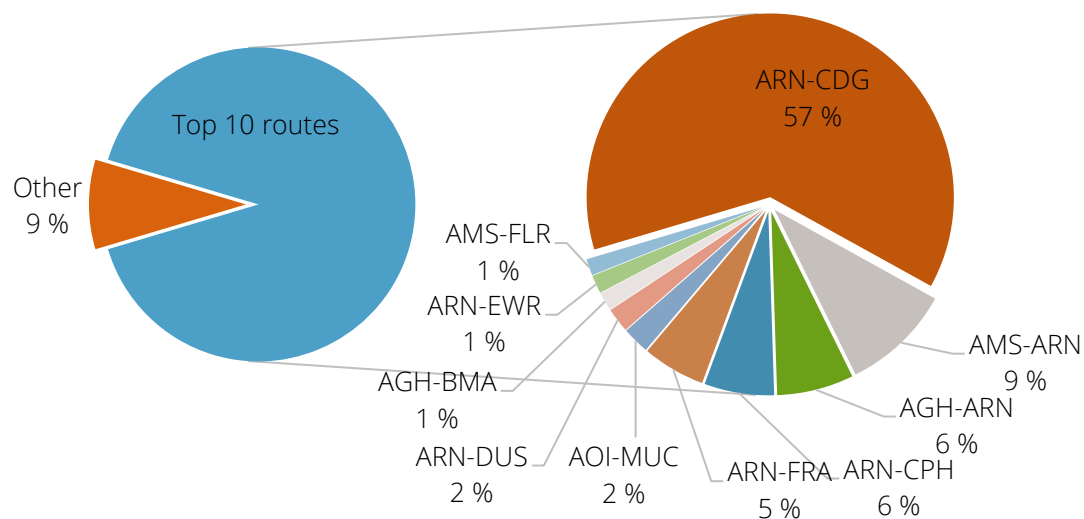
Category	Value	Unit
Total emissions	605,7	tonne CO ₂ e
Emissions/flight	423	kg CO ₂ e/flight
Emission/pkm	0,29	kg CO ₂ e/pkm
No. Flights	1433	-
Total distance	2 059 344	pkm

Most commonly flown routes

Table: Top 10 routes by no. flights

Route	No. flights	% of all flights	Emissions/flight (kg)	Total emissions (kg)	% of all emissions	Total distance (pkm)	% of all distance	Emissions /pkm (kg/pkm)
ARN-CDG	815	57 %	469	382 511	63 %	1 256 302	61 %	0,30
AMS-ARN	126	9 %	320	40 327	7 %	145 315	7 %	0,28
AGH-ARN	88	6 %	149	13 081	2 %	42 182	2 %	0,31
ARN-CPH	80	6 %	167	13 320	2 %	43 963	2 %	0,30
ARN-FRA	72	5 %	338	24 358	4 %	88 204	4 %	0,28
AOI-MUC	31	2 %	158	4 903	1 %	16 018	1 %	0,31
ARN-DUS	28	2 %	323	9 049	1 %	32 636	2 %	0,28
AGH-BMA	21	1 %	142	2 990	0 %	9 547	0 %	0,31
ARN-EWR	21	1 %	1 754	36 830	6 %	132 484	6 %	0,28
AMS-FLR	19	1 %	296	5 619	1 %	20 096	1 %	0,28
Other	132	9 %	551	72 704	12 %	272 598	13 %	0,27
Total	1 433	100 %	423	605 692	100 %	2 059 344	100 %	0,29

Share of total trips, sorted by most often flown routes

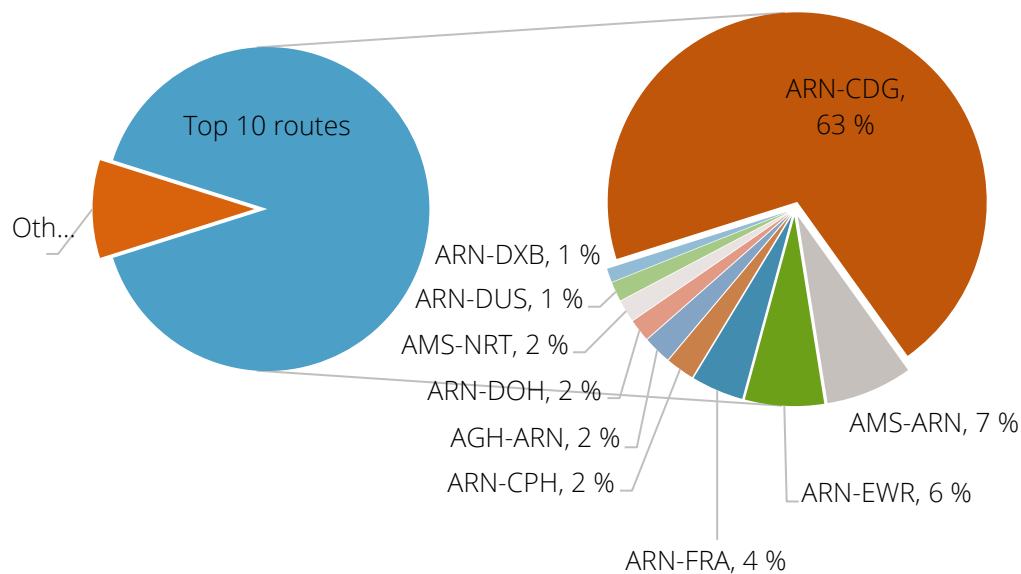


Highest contribution to total emissions

Table: Top 10 routes by emissions

Route	No. flights	% of all flights	Emissions/flight (kg)	Total emissions (kg)	% of all emissions	Total distance (pkm)	% of all distance	Emissions /pkm (kg/pkm)
ARN-CDG	815	57 %	469	382 511	63 %	1 256 302	61 %	0,30
AMS-ARN	126	9 %	320	40 327	7 %	145 315	7 %	0,28
ARN-EWR	21	1 %	1 754	36 830	6 %	132 484	6 %	0,28
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ARN-CPH	80	6 %	167	13 320	2 %	43 963	2 %	0,30
AGH-ARN	88	6 %	149	13 081	2 %	42 182	2 %	0,31
ARN-DOH	10	1 %	1 037	10 370	2 %	46 172	2 %	0,22
AMS-NRT	4	0 %	2 577	10 307	2 %	37 283	2 %	0,28
ARN-DUS	28	2 %	323	9 049	1 %	32 636	2 %	0,28
ARN-DXB	6	0 %	1 073	6 440	1 %	28 704	1 %	0,22
Other	183	13 %	323	59 099	10 %	206 101	10 %	0,29
Total	1 433	100 %	423	605 692	100 %	2 059 344	100 %	0,29

Share of emissions, sorted by total emissions per route

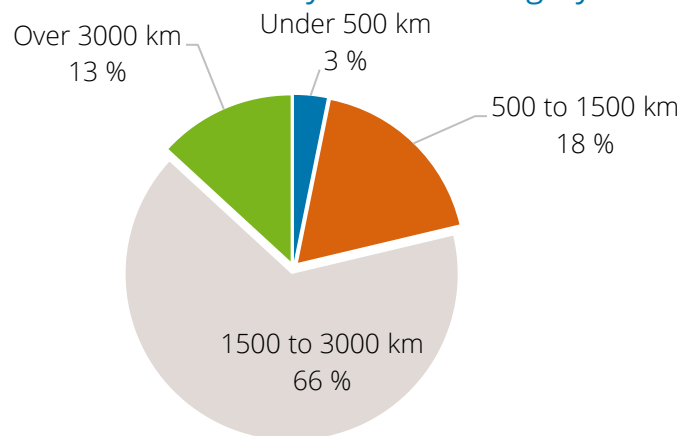


Distance category

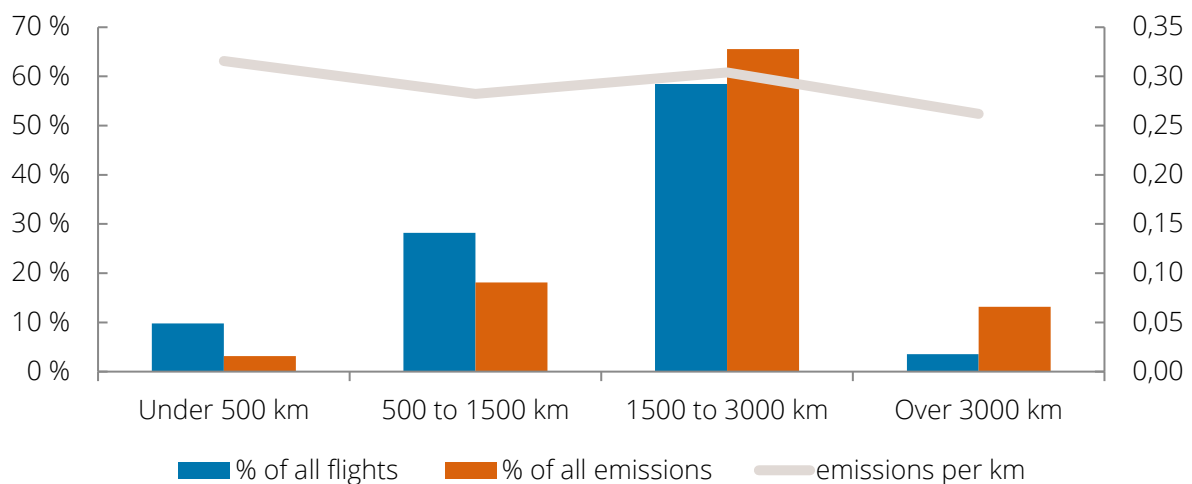
Table: Breakdown by distance category

Category	No. flights	% of all flights	Emissions/flight (kg)	Total emissions (kg)	% of all emissions	Total distance (pkm)	% of all distance	Emissions /pkm (kg/pkm)
Under 500 km	140	10 %	138	19 266	3 %	61 032	3 %	0,32
500 to 1500 km	404	28 %	271	109 685	18 %	388 794	19 %	0,28
1500 to 3000 km	838	58 %	474	397 030	66 %	1 305 234	63 %	0,30
Over 3000 km	51	4 %	1 563	79 711	13 %	304 284	15 %	0,26
Total	1 433	100 %	423	605 692	100 %	2 059 344	100 %	0,29

Share of emissions by distance category



Share of flights and emissions, emissions per pkm, by distance category



Methodology

The climate impact calculations have been performed using the methodology developed by Tricorona, based primarily on data and methods developed by NTM, the Scandinavian Network for Transport and the Environment.

The NTM model calculates climate impact from direct carbon emissions only, and Tricorona has therefore corrected the resulting figures to account for climate impact arising due to high altitude. This is achieved by multiplying the calculated figures for carbon emissions by a factor of 2.7. The factor 2.7 is based on Tricorona's interpretation of IPCC research reports: <http://www.ipcc.ch/ipccreports/sres/aviation/index.php?idp=64>

The per-passenger emissions are derived from the total flight emissions and assumptions about the seating configuration (passenger capacity) and cabin factor (load factor).

For full methodology please visit: <https://www.tricorona.se/klimatkompensation/berakningsmetod/>

Where the customer / travel agency data does not specify the aircraft used, Tricorona calculates based on the aircraft specified in the table below. Assumptions for cabin factor are also specified below.

Table: Aircraft and cabin factor assumptions

Category	Distance	Aircraft	capacity	Cabin factor
Local	Under 1500 km	A320	160	70%
Regional	1500 km to 3000 km	B737-600	115	70%
Continental	3000 km to 6000 km	B737-800	173	70%
Intercontinental	Over 6000 km	B747-400-Belly	440	90%