

AIR TRANSPORT DATA TREND BULLETIN

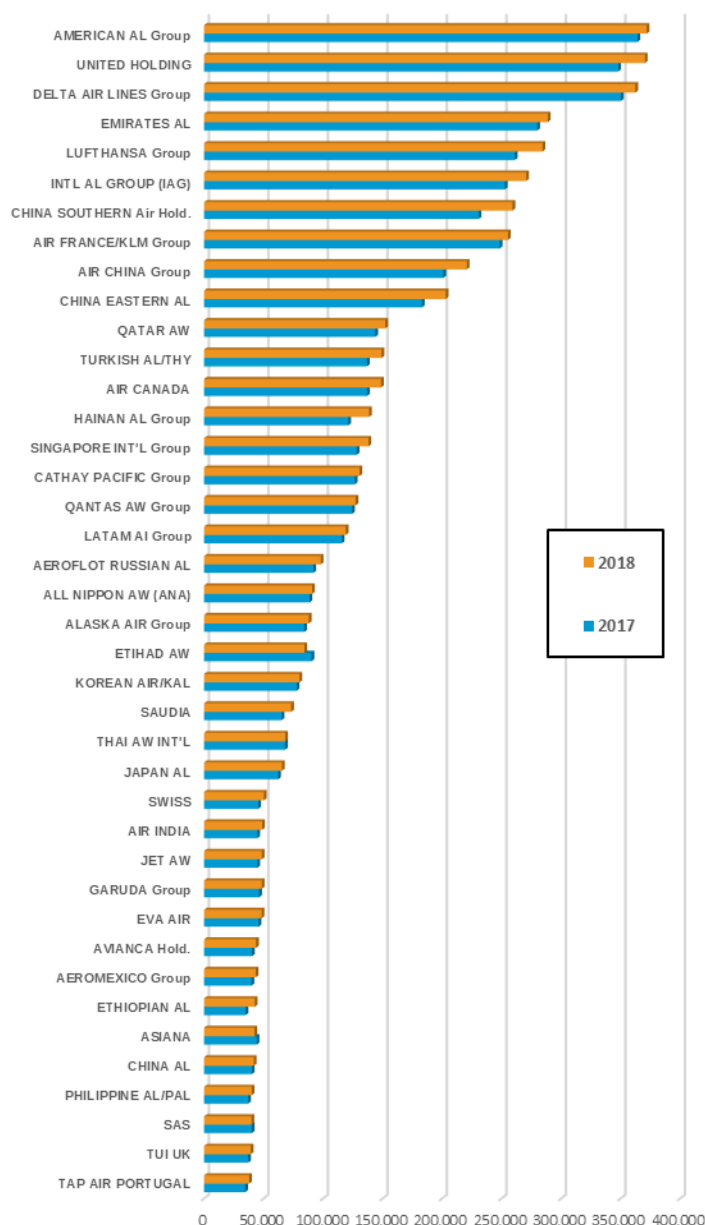


Main Airlines' traffic Q2 2019

Qatar Airways realises its best Q2 exercise with a +21.1% growth compared to 2018. A performance resulting from a strategy of strong fleet (227 aircrafts in april 2019) and network expansion.

AIRLINES	RPK ¹ (millions) 2018	18/17 (%)	Q1 19/18 (%)	Q2 19/18 (%)
AMERICAN AL Group	371,900	2.1	3.5	3.1
UNITED HOLDING	370,398	6.4	6.5	5.1
DELTA AIR LINES Group	362,400	2.4	4.8	6.3
EMIRATES AL	288,900	3.2	-3.1	-3.6
LUFTHANSA Group	284,600	8.9	6.4	13.9
INTL AL GROUP (IAG)	270,700	7.1	6.4	6.6
CHINA SOUTHERN AIR Hold.	259,100	12.4	12.1	8.9
AIR FRANCE/KLM Group	255,400	2.8	1.9	5.7
AIR CHINA Group	220,728	9.8	6.5	6.7
CHINA EASTERN AL	203,000	10.9	-	-
QATAR AW	152,200	5.8	10.9	21.1
TURKISH AL/THY	149,100	8.9	1.7	0.2
AIR CANADA	148,700	8.5	4.2	3.6
HAINAN AL Group	138,700	14.5	10.9	9.8
SINGAPORE INT'L Group	138,100	7.7	8.5	8.0
CATHAY PACIFIC Group	130,600	3.1	5.3	8.1
QANTAS Group	127,300	2.3	-1.0	19.2
LATAM AI Group	119,100	2.9	5.2	5.4
AEROFLOT RUSSIAN AL	98,000	6.7	11.0	6.6
ALL NIPPON AW (ANA)	90,800	2.4	-1.1	7.6
ALASKA AIR Group	88,000	4.5	0.4	1.1
ETIHAD AW	84,300	-6.6	-	-
KOREAN AIR/KAL	80,156	3.0	1.8	4.1
SAUDIA	73,200	12.3	-	-
THAI AW INT'L	68,200	0.1	-4.2	-6.5
JAPAN AL	65,400	5.0	3.1	3.8
SWISS	50,300	10.3	9.5	6.2
AIR INDIA	48,800	9.2	4.2	7.4
JET AW	48,500	8.5	-36.3	-
GARUDA Group	48,500	4.8	-	-
EVA AIR	48,400	5.6	1.7	-3.2
AVIANCA Hold.	43,700	8.7	6.5	4.1
AEROMEXICO Group	43,400	9.0	-0.4	0.1
ETHIOPIAN AL	42,600	22.0	-	-
ASIANA	42,300	-4.3	-2.2	0.7
CHINA AL	41,800	4.1	-4.9	4.4
PHILIPPINE AL/PAL	40,000	8.1	-	-
SAS	39,900	-0.5	-4.7	-6.7
TUI UK	39,200	5.7	-0.4	-0.3
TAP AIR Portugal	37,900	9.5	-2.7	10.5

Main Airlines RPK¹ - 2017/18



AIRLINES (low-cost)	PAX ² (thousands) 2018	18/17 (%)	Q1 19/18 (%)	Q2 19/18 (%)
SOUTHWEST AL	163,600	3.8	0.7	-1.0
RYANAIR	137,300	6.6	10.4	11.8
EASYJET AL	88,000	7.8	11.4	8.2
INDIGO AL	61,800	25.6	19.5	24.3
JETBLUE AW	42,200	5.3	2.9	0.9

¹ Revenue Passenger-Kilometers

² Revenue Passengers carried

Sources : FRACS Air transport database



AIR TRANSPORT DATA

TREND BULLETIN



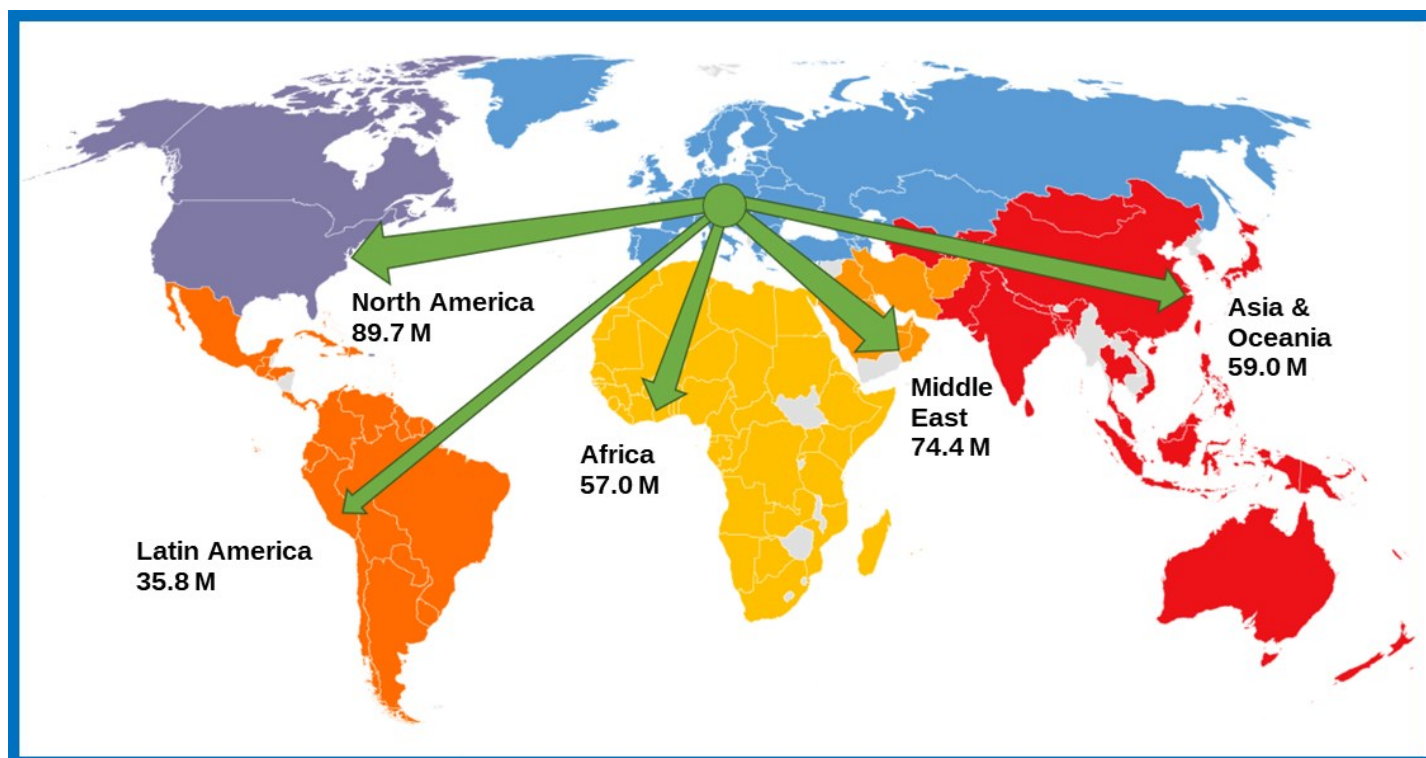
Main traffic flows Europe-World by regions (city-pairs)

This is the distribution of air passenger traffic between Europe* and the rest of the world in 2018 by region.

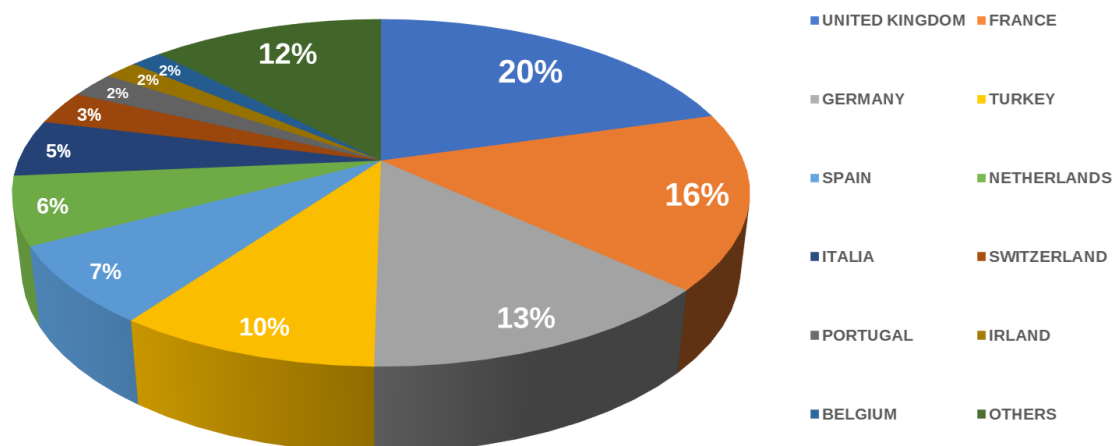
These numbers are the total of passengers in both directions (e.g. Africa = from Europe to Africa + from Africa to Europe) based on nearly 5200 airport-pairs results.

*Russian intl. data not available

	Passengers 2018
North America	89,702,475
Middle East	74,351,861
Asia & Oceania	58,997,490
Africa	56,993,462
Latin America	35,884,265
Total	315,929,553



Europe intercontinental traffic distribution



Sources : FRACS Air transport database



AIR TRANSPORT DATA

TREND BULLETIN



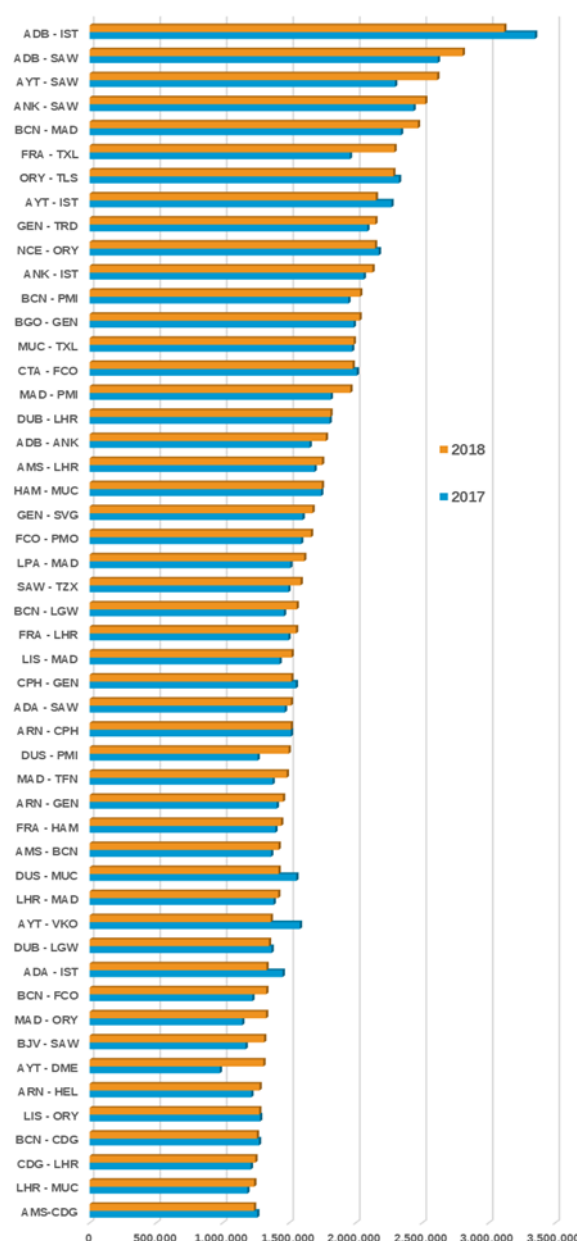
Main city-pairs 2018

by regions

EUROPE

The European top 50 internal links (by number of passengers) is still lead by the Turkish domestic traffic. Istanbul Ataturk has been replaced by a new airport (in April 2019) with a 200 million passenger capacity in order to absorb the growth of air transport in Turkey.

Type	City / Airport	City / Airport	Dist. KM	2018	% 18/17
Dom	IZMIR - ADNAN MENDERS	ISTANBUL - ATATURK	330	3,116,604	-6.9
Dom	IZMIR - ADNAN MENDERS	ISTANBUL SABIHA GOKCEN	342	2,804,107	7.1
Dom	ANTALYA	ISTANBUL SABIHA GOKCEN	459	2,612,389	13.8
Dom	ANKARA	ISTANBUL SABIHA GOKCEN	320	2,522,790	3.6
Dom	BARCELONA	MADRID	484	2,467,555	5.4
Dom	FRANKFURT	BERLIN - TEGEL	433	2,291,086	17.1
Dom	PARIS - ORLY	TOULOUSE	572	2,282,120	-1.8
Dom	ANTALYA	ISTANBUL - ATATURK	482	2,150,732	-5.2
Dom	OSLO - GARDERMOEN	TRONDHEIM	361	2,147,460	2.9
Dom	NICE	PARIS - ORLY	673	2,144,804	-1.3
Dom	ANKARA	ISTANBUL - ATATURK	361	2,126,067	3.2
Dom	BARCELONA	PALMA DE MALLORCA	202	2,033,136	4.6
Dom	BERGEN	OSLO - GARDERMOEN	324	2,028,558	2.2
Dom	MUNICH	BERLIN - TEGEL	505	1,985,300	0.6
Dom	CATANIA	ROMA - FIUMICINO	537	1,976,230	-1.6
Dom	MADRID	PALMA DE MALLORCA	546	1,959,424	8.1
Intra	DUBLIN	LONDON - HEATHROW	449	1,809,396	0.3
Dom	IZMIR - ADNAN MENDERS	ANKARA	524	1,775,493	7.4
Intra	AMSTERDAM	LONDON - HEATHROW	371	1,746,528	3.3
Dom	HAMBURG	MUNICH	623	1,745,562	0.3
Dom	OSLO - GARDERMOEN	STAVANGER	340	1,675,057	4.7
Dom	ROMA - FIUMICINO	PALERMO	418	1,663,453	4.7
Intra	LAS PALMAS	MADRID	1769	1,612,340	6.9
Dom	ISTANBUL SABIHA GOKCEN	TRABZON	878	1,585,810	6.2
Intra	BARCELONA	LONDON - GATWICK	1108	1,556,047	6.6
Intra	FRANKFURT	LONDON - HEATHROW	653	1,551,020	3.8
Intra	LISBON	MADRID	512	1,518,077	6.4
Intra	COPENHAGEN	OSLO - GARDERMOEN	518	1,515,477	-2.2
Dom	ADANA	ISTANBUL SABIHA GOKCEN	674	1,512,715	3.1
Intra	STOCKHOLM - ARLANDA	COPENHAGEN	546	1,512,092	0.0
Intra	DUSSELDORF	PALMA DE MALLORCA	1340	1,495,869	18.5
Intra	MADRID	TENERIFE - N. LOSRODEO	1768	1,481,142	7.7
Intra	STOCKHOLM - ARLANDA	OSLO - GARDERMOEN	385	1,452,981	3.3
Dom	FRANKFURT	HAMBURG	412	1,439,205	3.2
Intra	AMSTERDAM	BARCELONA	1241	1,420,296	4.2
Dom	DUSSELDORF	MUNICH	499	1,419,212	-8.6
Intra	LONDON - HEATHROW	MADRID	1245	1,416,801	2.5
Intra	ANTALYA	MOSCOW - VNUKOV	2131	1,360,749	-13.9
Intra	DUBLIN	LONDON - GATWICK	484	1,347,017	-1.5
Dom	ADANA	ISTANBUL - ATATURK	712	1,328,601	-8.4
Intra	BARCELONA	ROMA - FIUMICINO	845	1,327,312	8.6
Intra	MADRID	PARIS - ORLY	1030	1,326,060	15.7
Dom	MILAS	ISTANBUL SABIHA GOKCEN	417	1,311,372	11.9
Intra	ANTALYA	MOSCOW - DOMODEDOVO	2122	1,306,189	33.5
Intra	STOCKHOLM - ARLANDA	HELSINKI	399	1,276,617	5.1
Intra	LISBON	PARIS - ORLY	1438	1,274,273	-0.5
Intra	BARCELONA	PARIS - CDG	858	1,256,942	-1.2
Intra	PARIS - CDG	LONDON - HEATHROW	346	1,245,120	2.9
Intra	LONDON - HEATHROW	MUNICH	945	1,236,635	4.4
Intra	AMSTERDAM	PARIS - CDG	399	1,234,740	-1.9



Sources : FRACS Air transport database



AIR TRANSPORT DATA

TREND BULLETIN

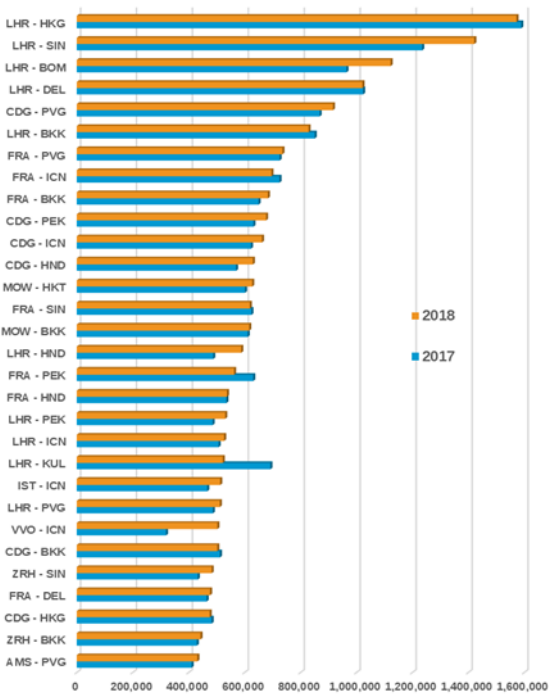


Main city-pairs 2018
by regions

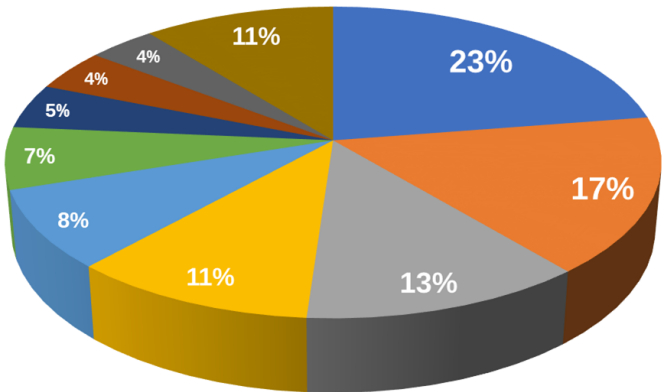
ASIA & OCEANIA

London Heathrow, Paris Charles de Gaulle and Frankfurt airports stay the main entry doors to Asia and Oceania from Europe. Heathrow fastest growing traffic flows are with Asian main hubs.

City / Airport	City / Airport	Dist. KM	2018	% 18/17
LONDON - HEATHROW	HONG KONG	9638	1,572,021	-1.1
LONDON - HEATHROW	SINGAPORE	10875	1,421,105	15.1
LONDON - HEATHROW	BOMBAY/Mumbai	7208	1,121,997	16.4
LONDON - HEATHROW	DELHI	6727	1,021,351	-0.2
PARIS - CDG	SHANGHAI - PUDONG	9260	915,668	5.5
LONDON - HEATHROW	BANGKOK	9540	828,432	-2.6
FRANKFURT	SHANGHAI - PUDONG	8852	735,152	1.4
FRANKFURT	SEOUL - INCHEON	8548	695,652	-4.0
FRANKFURT	BANGKOK	8963	683,068	5.2
PARIS - CDG	BEIJING - CAPITAL	8184	676,563	7.2
PARIS - CDG	SEOUL - INCHEON	8930	661,865	6.3
PARIS - CDG	TOKYO - HANEDA	9700	629,127	10.5
MOSCOU - All airports	PHUKET	7069	626,967	4.3
FRANKFURT	SINGAPORE	10272	618,400	-0.9
MOSCOU - All airports	BANGKOK	7025	616,382	0.9
LONDON - HEATHROW	TOKYO - HANEDA	9585	587,932	20.6
FRANKFURT	BEIJING - CAPITAL	7782	562,218	-10.8
FRANKFURT	TOKYO - HANEDA	9354	536,757	0.4
LONDON - HEATHROW	BEIJING - CAPITAL	8150	530,314	9.2
LONDON - HEATHROW	SEOUL - INCHEON	8863	526,584	3.9
LONDON - HEATHROW	KUALA LUMPUR	10564	521,674	-24.6
ISTANBUL - ATATURK	SEOUL - INCHEON	7594	512,543	10.0
LONDON - HEATHROW	SHANGHAI - PUDONG	9235	511,003	5.1
VLADIVOSTOK	SEOUL - INCHEON	752	502,305	57.5
PARIS - CDG	BANGKOK	9412	501,846	-1.9
FRANKFURT	DELHI	6118	476,198	2.6
ZURICH	SINGAPORE	10298	482,141	11.5
PARIS - CDG	HONG KONG	9599	474,838	-1.4
ZURICH	BANGKOK	9018	442,321	3.2
AMSTERDAM	SHANGHAI - PUDONG	8903	430,817	5.0



Europe - Asia & Oceania traffic distribution



UNITED KINGDOM GERMANY FRANCE TURKEY
NETHERLANDS RUSSIA FINLAND ITALIA
SWITZERLAND OTHERS

The main traffic flows with these two regions are with United Kingdom airports. These links are responsible for a large amount of Heathrow Intl. traffic increase.

Sources : FRACS Air transport database

AIR TRANSPORT DATA

TREND BULLETIN



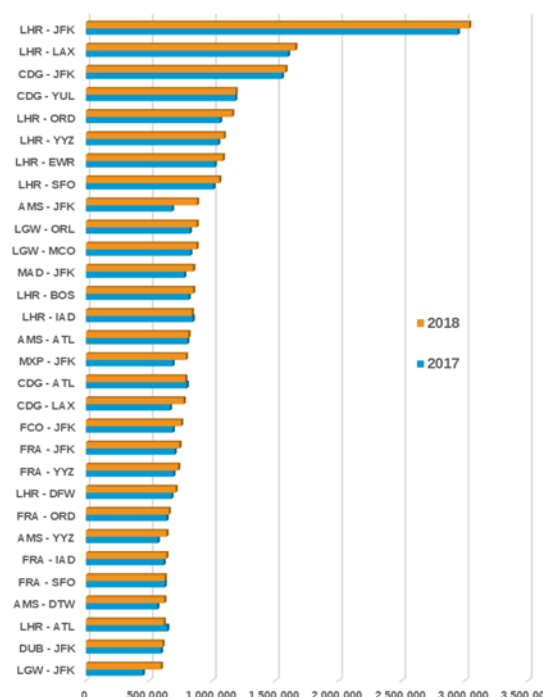
Main city-pairs 2018

by regions

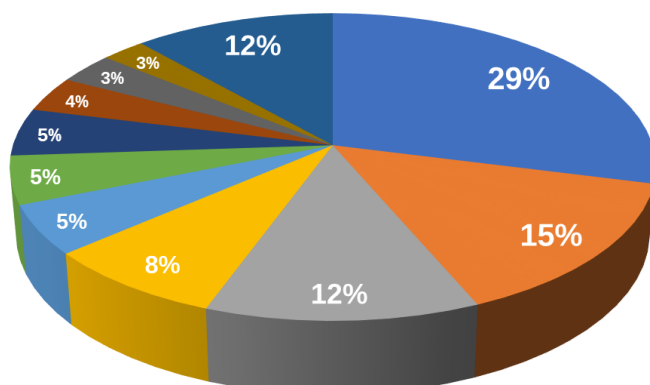
NORTH AMERICA

New York JFK is still the most important link with 15.5 millions passengers on the traffic flows with Europe. On the European side London Heathrow is far ahead with more than 17 millions passengers.

City / Airport	City / Airport	Dist. KM	2018	% 18/17
LONDON - HEATHROW	NEW YORK - JF KENNEDY	5538	3,034,155	3.0
LONDON - HEATHROW	LOS ANGELES INTL	8755	1,657,737	3.6
PARIS - CDG	NEW YORK - JF KENNEDY	5830	1,580,201	1.8
PARIS - CDG	MONTREAL - DORVAL	5520	1,185,084	0.2
LONDON - HEATHROW	CHICAGO - O'HARE	6340	1,158,537	9.1
LONDON - HEATHROW	TORONTO	5704	1,091,315	4.1
LONDON - HEATHROW	NEW YORK - NEWARK	5559	1,084,275	6.2
LONDON - HEATHROW	SAN FRANCISCO	8612	1,055,976	4.6
AMSTERDAM	NEW YORK - JF KENNEDY	5845	880,556	29.1
LONDON - GATWICK	ORLANDO	6982	876,893	6.5
LONDON - GATWICK	ORLANDO, FL	6987	876,408	6.1
MADRID	NEW YORK - JF KENNEDY	5759	849,947	9.1
LONDON - HEATHROW	BOSTON	5237	849,443	4.3
LONDON - HEATHROW	WASHINGTON - DULLES	5898	838,389	-0.9
AMSTERDAM	ATLANTA	7061	812,286	1.2
MILANO - MALPENSA	NEW YORK - JF KENNEDY	6409	791,985	15.3
PARIS - CDG	ATLANTA	7050	786,992	-1.5
PARIS - CDG	LOS ANGELES INTL	9096	774,312	16.2
ROMA - FIUMICINO	NEW YORK - JF KENNEDY	6862	754,088	9.5
FRANKFURT	NEW YORK - JF KENNEDY	6186	740,805	5.4
FRANKFURT	TORONTO	6339	731,176	5.5
LONDON - HEATHROW	DALLAS - FORT WORTH	7618	710,461	4.9
FRANKFURT	CHICAGO - O'HARE	6965	655,973	2.6
AMSTERDAM	TORONTO	5986	638,314	12.1
FRANKFURT	WASHINGTON - DULLES	6545	637,678	3.5
FRANKFURT	SAN FRANCISCO	9143	624,110	-0.1
AMSTERDAM	DETROIT WAYNE COUNTY	6320	621,630	9.9
LONDON - HEATHROW	ATLANTA	6756	617,007	-4.2
DUBLIN	NEW YORK - JF KENNEDY	5101	606,986	2.1
LONDON - GATWICK	NEW YORK - JF KENNEDY	5566	593,620	31.7



Europe - North America traffic distribution



UNITED KINGDOM GERMANY FRANCE NETHERLANDS
ITALIA SPAIN IRELAND ICELAND
SWITZERLAND TURK OTHERS

Traffic flows with United Kingdom airports represent more than 29% of the traffic with North America. 1 European passenger on 4 used London airports to go in this region in 2018.

Sources : FRACS Air transport database



AIR TRANSPORT DATA

TREND BULLETIN

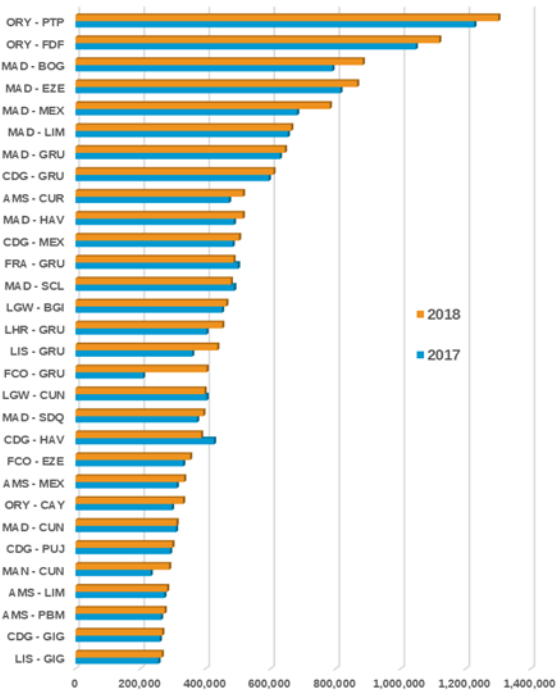


Main city-pairs 2018
by regions

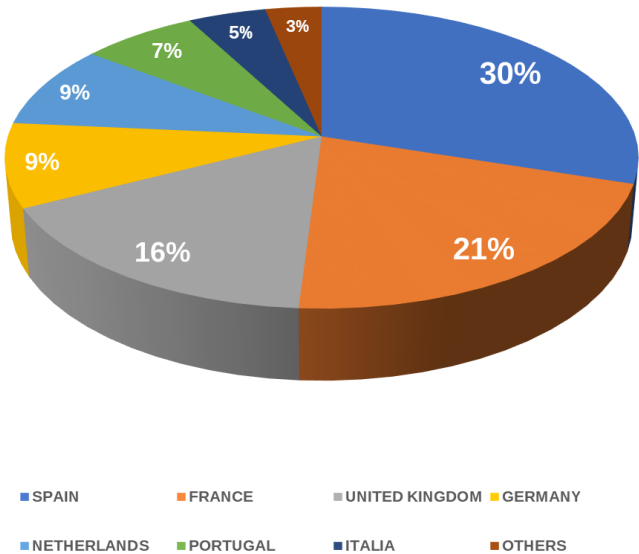
LATIN AMERICA & CARIBBEAN

Madrid-Bajaras is the main European gate to Latin America with more than 8 million passengers on the 35.8 travelling on these air routes.

City / Airport	City / Airport	Dist. KM	2018	% 18/17
PARIS - ORLY	POINTE A PITRE	6748	1,300,555	6.0
PARIS - ORLY	FORT DE FRANCE	6847	1,118,872	6.9
MADRID	BOGOTA	8026	883,467	11.8
MADRID	BUENOS AIRES - EZEIZA	10070	866,154	6.3
MADRID	MEXICO CITY	9062	782,073	14.7
MADRID	LIMA	9519	663,374	1.6
MADRID	SAO PAULO - GUARULHOS	8372	644,111	2.5
PARIS - CDG	SAO PAULO - GUARULHOS	9399	608,752	2.4
AMSTERDAM	CURACAO / WILLEMSTAD	7830	514,997	9.1
MADRID	HAVANA	7453	514,532	5.6
PARIS - CDG	MEXICO CITY	9194	503,080	4.0
FRANKFURT	SAO PAULO - GUARULHOS	9792	486,122	-2.7
MADRID	SANTIAGO DE CHILE	10717	477,868	-2.1
LONDON - GATWICK	BARBADOS	6755	463,991	2.9
LONDON - HEATHROW	SAO PAULO - GUARULHOS	9454	451,517	12.1
LISBON	SAO PAULO - GUARULHOS	7929	436,243	21.5
ROMA - FIUMICINO	SAO PAULO - GUARULHOS	9425	403,276	94.0
LONDON - GATWICK	CANCUN	7921	397,071	-1.6
MADRID	SANTO DOMINGO	6685	393,140	5.1
PARIS - CDG	HAVANA	7735	386,359	-9.3
ROMA - FIUMICINO	BUENOS AIRES - EZEIZA	11140	352,629	6.4
AMSTERDAM	MEXICO CITY	9202	334,163	7.2
PARIS - ORLY	CAYENNE	7088	330,947	11.5
MADRID	CANCUN	7900	310,982	0.6
PARIS - CDG	PUNTA CANA	7076	298,056	2.3
MANCHESTER	CANCUN	7741	287,877	24.3
AMSTERDAM	LIMA	10514	282,008	3.2
AMSTERDAM	PARAMARIBO	7520	274,314	4.2
PARIS - CDG	RIO DE JANEIRO - GALEAO	9179	266,827	3.0
LISBON	RIO DE JANEIRO - GALEAO	7709	265,407	4.0



Europe - Latin America traffic distribution



The main traffic flows to Latin America pass through Spain. France also has an important traffic, mainly due to the links with its overseas departments and territories in the region.

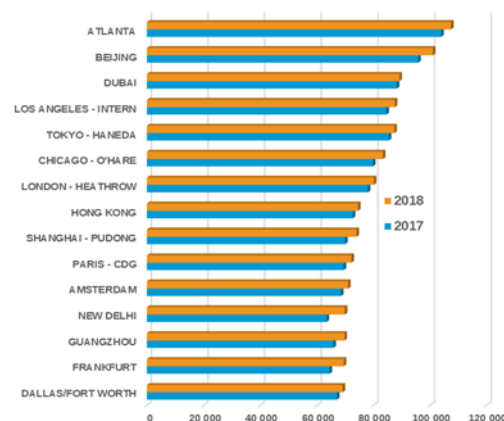
AIR TRANSPORT DATA

TREND BULLETIN

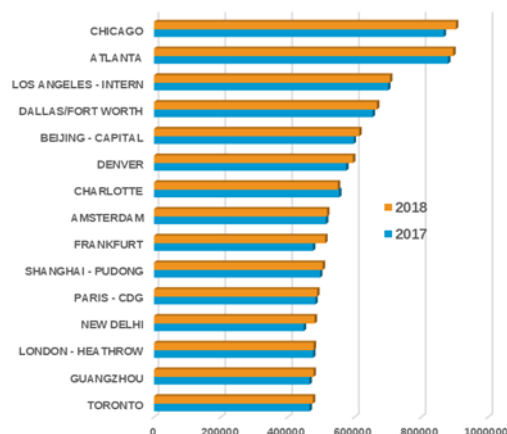


Main Airport's traffic Q2 2019 - Top 15

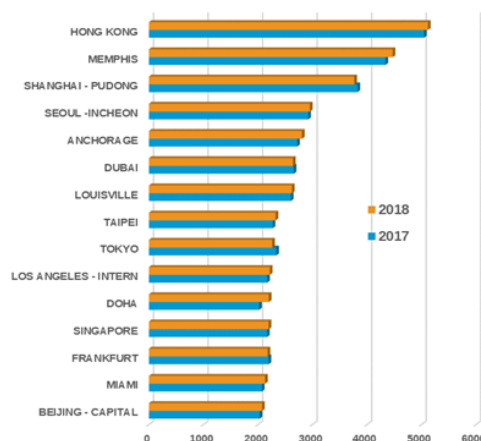
Airports	Passengers 2018	18/17 (%)	Q1 19/18 (%)	Q2 19/18 (%)
ATLANTA	107,394,029	3.3	3.2	3.4
BEIJING - CAPITAL	100,983,290	5.4	1.6	-2.8
DUBAI	89,149,388	1.0	-2.2	-9.3
LOS ANGELES - INTERN	87,534,223	3.5	1.2	0.7
TOKYO - HANEDA	87,369,478	2.3	1.2	-1.6
CHICAGO - O'HARE	83,339,186	4.4	3.3	3.9
LONDON - HEATHROW	80,126,856	2.7	1.4	2.1
HONG KONG	74,561,727	2.6	2.6	2.7
SHANGHAI - PUDONG	74,006,469	5.7	4.9	3.4
PARIS - CDG	72,229,326	4.0	5.8	8.4
AMSTERDAM	71,053,147	3.7	1.6	1.3
NEW DELHI	69,866,994	10.1	-3.6	-10.4
GUANGZHOU	69,769,497	6.0	4.8	2.4
FRANKFURT	69,510,269	7.8	2.5	3.3
DALLAS/FORT WORTH	69,112,224	3.0	4.6	7.7
Total*	7,245,644,267	5.8	5.2	3.6



Airports	Movements 2018	18/17 (%)	Q1 19/18 (%)	Q2 19/18 (%)
CHICAGO	903,747	4.2	3.6	2.8
ATLANTA	895,682	1.8	1.7	0.9
LOS ANGELES - INTERN	706,273	0.8	-1.4	-3.3
DALLAS/FORT WORTH	667,213	2.0	5.0	5.5
BEIJING - CAPITAL	614,022	2.8	-1.1	-5.6
DENVER	595,481	3.6	3.4	5.4
CHARLOTTE	550,013	-0.7	5.9	4.1
AMSTERDAM	517,772	0.6	-0.1	0.2
FRANKFURT	512,115	7.7	3.0	1.4
SHANGHAI - PUDONG	504,795	1.6	2.4	1.5
PARIS - CDG	488,065	1.1	3.9	6.3
NEW DELHI	480,707	7.3	-3.4	-9.2
LONDON - HEATHROW	477,769	0.4	0.4	1.1
GUANGZHOU	477,364	2.6	2.8	1.3
TORONTO	475,354	2.1	-5.0	-4.7
Total*	75,483,519	2.9	2.8	1.7



Airports	Cargo 2018 ('000 tons)	18/17 (%)	Q1 19/18 (%)	Q2 19/18 (%)
HONG KONG	5,117	1.4	-5.7	-7.8
MEMPHIS	4,470	3.1	1.0	-2.2
SHANGHAI - PUDONG	3,766	-1.5	-9.1	-7.1
SEOUL - INCHEON	2,952	1.0	-6.8	-7.2
ANCHORAGE	2,807	3.3	-1.9	-2.6
DUBAI	2,641	-0.5	4.1	-9.9
LOUISVILLE	2,623	0.8	-1.0	8.9
TAIPEI	2,323	2.4	-6.9	-8.7
TOKYO - NARITA	2,261	-3.2	-12.3	-11.5
LOS ANGELES - INTERN	2,217	2.3	-2.7	-5.0
DOHA	2,198	8.8	-1.3	0.3
SINGAPORE	2,195	1.4	-3.9	-7.5
FRANKFURT	2,176	-0.8	-1.6	-3.5
MIAMI	2,130	2.8	-1.6	2.4
BEIJING - CAPITAL	2,074	2.2	-6.1	-4.1
Total*	108,327	3.1	1.2	-3.0



* ACI

Sources : ACI and FRACS Air transport database



AIR TRANSPORT DATA

TREND BULLETIN



Airliners Orders and Deliveries Q2 2019

Airbus is on track to beat its 2018 delivery record, realising its best ever 2nd quarter. Meanwhile, Boeing is still stuck in the B737 Max crisis, recording one of its worst first half-year since 2009 for the orders and even more for the deliveries.

Deliveries

Deliveries	Q1 2019	Q2 2019	H1 19/18 variation	2018
Airbus	161	227	85	800
Boeing	138	101	-138	805
Embraer	11	26	-5	90
Bombardier	3	17	8	35
ATR	n.a.	n.a.	-	76
Sukhoi	4	1	-17	27

Orders

Orders	Q1 2019	Q2 2019	H1 19/18 variation	2018
Airbus	62	151	-38	747
Boeing	25	83	-424	1008
Embraer	4	30	67	23
Bombardier	10	1	-38	47
ATR	n.a.	n.a.	-	52
Sukhoi	6	0	0	106

Deliveries by aircraft type

Deliveries	Type	Q1 2019	Q2 2019	H1 19/18 Variation
Airbus	A222	8	13	21
	A320	126	168	55
	A330	4	12	-2
	A350	22	31	13
	A380	1	3	-2
Boeing	B737	86	27	-155
	B747	2	2	1
	B767	4	18	13
	B777	10	12	-3
	B787	36	42	6
Embraer	EMB170	0	0	-1
	EMB175	10	22	1
	EMB190	1	1	-3
	EMB195	0	3	-2
Bombardier	CRJ	3	11	3
ATR	ATR-42	n.a.	n.a.	-
	ATR-72	n.a.	n.a.	-
Sukhoi	SSJ100	4	1	-17

Orders by aircraft type

Orders	Type	Q1 2019	Q2 2019	H1 19/18 Variation
Airbus	A222	4	15	19
	A320	20	131	-42
	A330	0	2	0
	A350	38	3	13
	A380	0	0	-28
Boeing	B737	9	27	-339
	B747	0	0	-14
	B767	2	8	-10
	B777	4	18	-6
	B787	10	30	-55
Embraer	EMB170	0	0	0
	EMB175	2	20	3
	EMB190	0	-2	27
	EMB195	2	12	37
Bombardier	CRJ	10	1	-18
ATR	ATR-42	n.a.	n.a.	-
	ATR-72	n.a.	n.a.	-
Sukhoi	SSJ100	6	0	0

n.a. : not available

Sources : FRACS Air transport database



AIR TRANSPORT DATA TREND BULLETIN



Our Databases and Services

We are grateful for your reading and your interest. The new issue is coming out in January 2020 !

Feel free to **contact us** if you are interested in this data or for more details than showed up in this newsletter.

You can also directly contact our database managers **Jean-Pierre Assémat** and **Mehrdad Farzinpour** to get a personal solution to your needs.

Find more information and previous publications on our website :

<https://fracs.aero/products-and-services/#atd>

About our databases :

Our Air Transport databases are updated on a regular basis and contain long historical data series regarding :

- Traffic data for more than 2500 airports world-wide, collected from a variety of sources since 1970.
- Traffic flows : country-pair and city-pair for over 200 countries and 2500 airports world-wide since 1970.
- Traffic, financial and fleets detailed information for 600 airlines throughout the world since 1980.

About ENAC :

ENAC is the French National School of Civil Aviation and is the largest of the major aeronautical schools or universities in Europe.

ENAC supports all the training needs of all public (civil aviation authorities, air traffic control, etc.) and private (aircraft manufacturers, engine manufacturers, equipment suppliers, airports, airlines, etc.) of these areas. in France, in Europe and in the world.

About France Aviation Civile Services :

France Aviation Civile Services is the Expertise and Consultancy Office of the Civil Aviation founded by the General Directorate of Civil Aviation (DGAC) and the French National School of Civil Aviation (ENAC).

FRACS provides tailored solutions to customer challenges, while providing strong operational expertise with an agile and flexible approach in the areas of regulation, safety oversight and air navigation.

FRACS supports their clients in meeting ICAO and EASA standards, improving operational performance and achieving strategic capabilities.

Discover FRACS products and solutions here: <https://fracs.aero/products-and-services/>

Or directly contact our Experts at : contact@dsnaservices.com

(if you're not interested, you can unsubscribe at any time by sending us an email)

