



# Air transport movements

The number of air transport movements increased by +0.5% to 425,565, which was caused by a +0.5% increase in both passenger aircrafts as well as in full-freighters. The Maximum Take-Off Weight (MTOW) in 2013 averaged 101.4 tonnes. The increase of +0.7 tonnes was mainly caused by the average MTOW of full-freighters, which grew by +2.8%. The average MTOW of passenger or mixed aircraft grew somewhat slower at +0.4%.



## → Air transport movements, monthly and annual totals

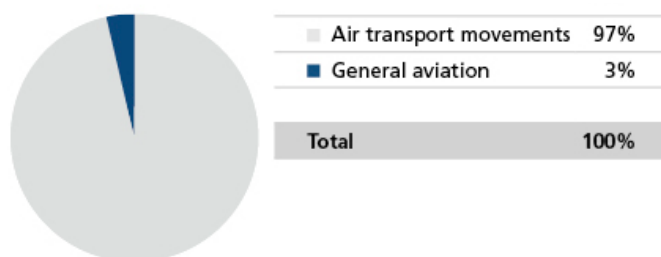
### Monthly totals 2013

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>I. Air transport</b>												
Scheduled												
Passenger services	27,773	26,505	30,359	33,018	34,890	33,900	34,811	34,655	34,086	34,496	30,189	29,549
Full-freighter services	926	821	1,023	948	954	958	961	975	1,052	1,042	1,136	1,074
Subtotal	28,699	27,326	31,382	33,966	35,844	34,858	35,772	35,630	35,138	35,538	31,325	30,623
Non-scheduled												
Passenger services	952	1,030	1,245	1,719	2,838	2,659	4,053	4,061	2,854	2,441	992	867
Full-freighter services	298	350	362	305	320	299	300	313	282	329	305	290
Subtotal	1,250	1,380	1,607	2,024	3,158	2,958	4,353	4,374	3,136	2,770	1,297	1,157
Total air transport	29,949	28,706	32,989	35,990	39,002	37,816	40,125	40,004	38,274	38,308	32,622	31,780
<b>II. General aviation</b>												
Taxi / Business / Private	671	640	752	708	960	948	766	684	952	796	722	577
Other flights	384	391	498	525	433	456	502	418	481	446	407	375
Total general aviation	1,055	1,031	1,250	1,233	1,393	1,404	1,268	1,102	1,433	1,242	1,129	952
<b>Grand total</b>	<b>31,004</b>	<b>29,737</b>	<b>34,239</b>	<b>37,223</b>	<b>40,395</b>	<b>39,220</b>	<b>41,393</b>	<b>41,106</b>	<b>39,707</b>	<b>39,550</b>	<b>33,751</b>	<b>32,732</b>

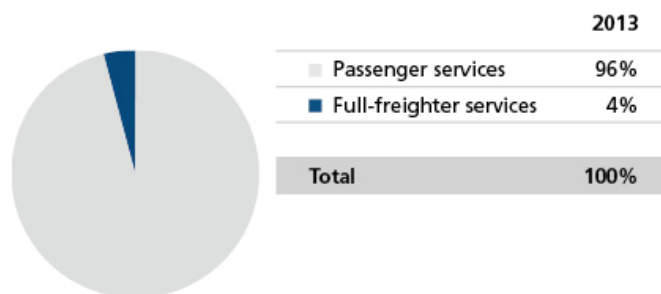
Annual totals 2013

	2013	Compared to 2012 in %
<b>I. Air transport</b>		
Scheduled		
Passenger services	384,231	0.5
Full-freighter services	11,870	8.9
Subtotal	396,101	0.7
Non-scheduled		
Passenger services	25,711	0.6
Full-freighter services	3,753	- 19.1
Subtotal	29,464	- 2.4
<b>Total air transport</b>	<b>425,565</b>	<b>0.5</b>
<b>II. General aviation</b>		
Taxi / Business / Private	9,176	0.3
Other flights	5,316	- 0.6
<b>Total general aviation</b>	<b>14,492</b>	<b>- 0.0</b>
<b>Grand total</b>	<b>440,057</b>	<b>0.5</b>

Total air transport

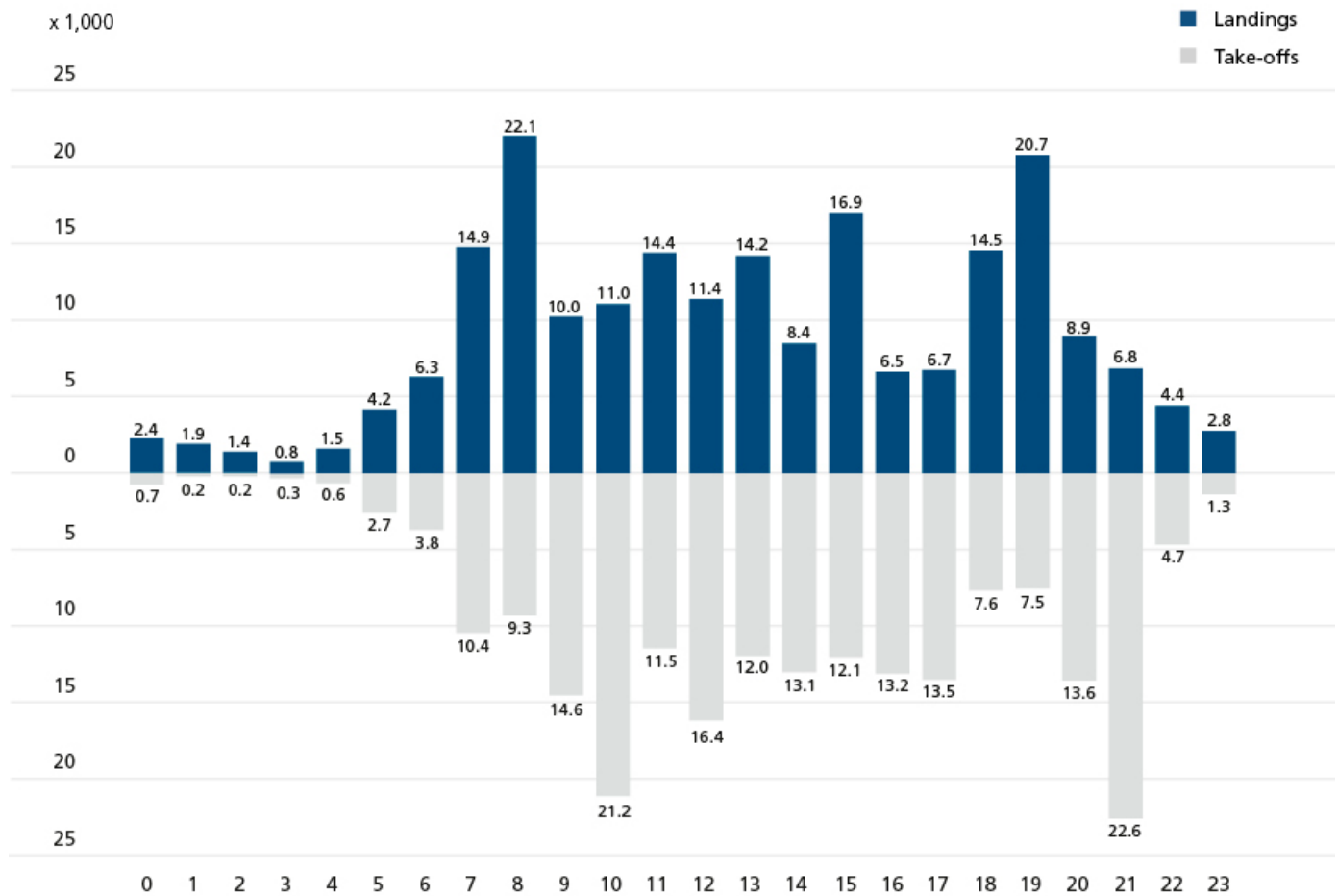


Air transport movements



→ Air transport movements, per hour of the day

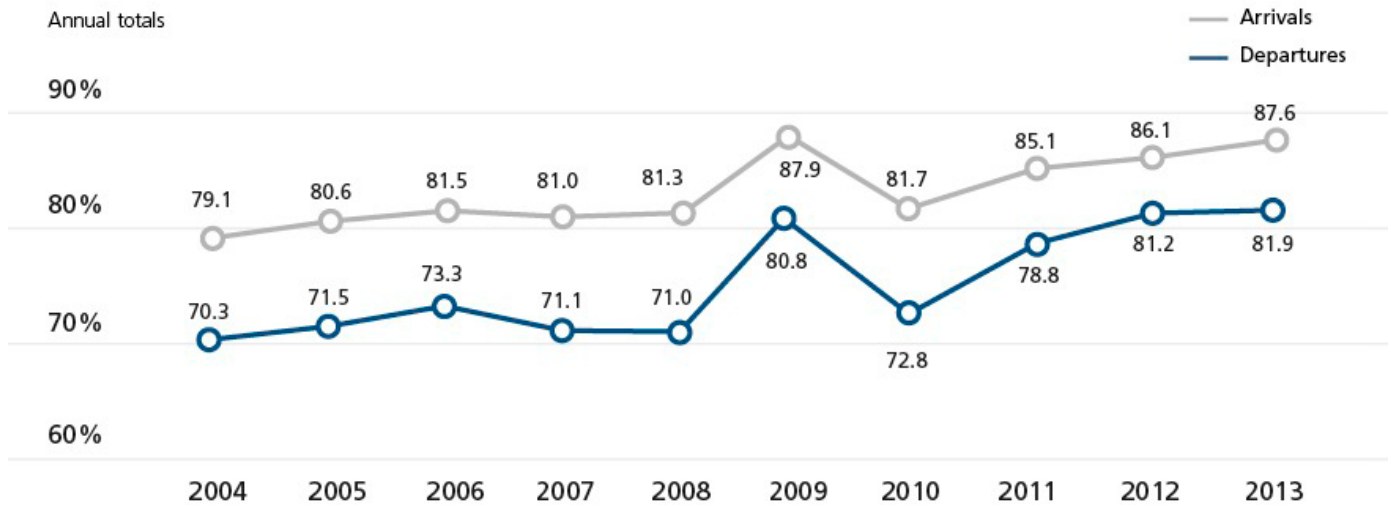
Per hour of the day



Per period of the day

		Landings	Take-offs	Total
Night	23:00 - 05:59	14,866	5,878	20,744
Early morning	06:00 - 06:59	6,303	3,756	10,059
Day	07:00 - 18:59	150,843	154,852	305,695
Evening	19:00 - 22:59	40,781	48,286	89,067
<b>Total</b>		<b>212,793</b>	<b>212,772</b>	<b>425,565</b>

→ Punctuality of passenger services



→ Air transport movements, main countries

Main European countries

Ranking	(2012 ranking)		Total Movements	Compared to 2012 in %
1	(1)	United Kingdom	82,061	1.1%
2	(2)	Germany	44,763	- 1.0%
3	(3)	Spain	25,782	- 9.4%
4	(4)	France	25,562	- 2.1%
5	(5)	Italy	21,801	- 6.1%
6	(6)	Norway	18,765	3.6%
7	(7)	Switzerland	16,692	2.5%
8	(8)	Turkey	15,890	11.2%
9	(9)	Denmark	12,726	0.2%
10	(10)	Sweden	10,182	2.2%
11	(11)	Portugal	8,027	12.5%
12	(12)	Greece	6,561	9.2%
13	(13)	Austria	5,877	- 1.3%
14	(14)	Ireland	5,094	- 0.6%
15	(16)	Poland	4,789	8.4%
16	(17)	Czech Republic	4,720	7.6%
17	(15)	Russia	4,406	- 2.1%
18	(18)	Belgium	3,770	- 0.3%
19	(19)	Finland	3,634	- 2.2%
20	(20)	Romania	2,839	11.3%
Rest of Europe			17,425	2.2%
<b>Total Europe</b>			<b>341,366</b>	<b>0.4%</b>

## Main Intercontinental countries

Ranking	(2012 ranking)		Total Movements	Compared to 2012 in %
1	(1)	USA	21,459	0.5%
2	(2)	China	9,369	1.8%
3	(5)	Morocco	3,712	14.6%
4	(4)	Canada	3,507	- 1.4%
5	(6)	United Arab Emirates	3,414	21.2%
6	(3)	Egypt	2,953	- 17.4%
7	(9)	Japan	2,395	9.9%
8	(7)	Kenya	2,193	- 3.1%
9	(8)	Israel	2,171	- 2.6%
10	(10)	Indonesia	1,975	4.9%
11	(15)	Brasil	1,779	17.7%
12	(11)	South Africa	1,756	- 1.1%
13	(12)	Netherlands Antilles	1,611	- 2.2%
14	(13)	India	1,468	- 9.0%
15	(14)	Singapore	1,377	- 10.1%
16	(16)	South Korea	1,309	- 0.8%
17	(17)	Taiwan	1,232	- 3.4%
18	(18)	Malaysia	1,102	3.0%
19	(19)	Kazakhstan	1,074	5.8%
20	(21)	Mexico	944	- 0.6%
Rest of Intercontinental			17,399	0.8%
<b>Total Intercontinental</b>			<b>84,199</b>	<b>1.1%</b>

## Intercontinental

North America	24,966	30%
Latin America	10,238	12%
Africa	16,017	19%
Middle East	9,923	12%
Asia	23,055	27%
<b>Total Intercontinental</b>	<b>84,199</b>	

## → Air transport movements per type

According to type, passenger or mixed version

Ranking	Type	Average MTOW*	Movements	Compared to 2012 in %	
1	Boeing 737-800	75	83,217		15%
2	Embraer 190/195	46	52,818		13%
3	Fokker 70	38	50,734	-	4%
4	Boeing 737-700	63	41,407	-	7%
5	Airbus A319	66	32,644	-	4%
6	Airbus A320	74	29,748		1%
7	Airbus A330-200	231	12,309		14%
8	Boeing 777-200	296	11,406		19%
9	Boeing 747-400	396	11,363	-	12%
10	Airbus A330-300	233	9,594		33%
11	Boeing 737-900	77	8,220		0%
12	Airbus A321	85	7,334	-	25%
13	Boeing 767-300	186	7,253	-	14%
14	Embraer 170/175	37	5,620		7%
15	Dash 8-400	30	5,384		42%
16	Bombardier CRJ 700/900/1000	37	4,930	-	17%
17	Boeing 737-300	60	4,584	-	21%
18	BAe 146/AVRO RJ	42	4,325	-	7%
19	Boeing 777-300	352	4,067		13%
20	Embraer ERJ 145	20	3,474		18%
21	Boeing 737-400	65	2,756	-	11%
22	Fokker 100	45	2,714	-	61%
23	Boeing 737-500	57	2,251	-	23%
24	Airbus A340-300	272	1,846		147%
25	Boeing 757-200	112	1,781	-	40%
26	MD11	272	1,704	-	59%
27	Boeing 717-200	54	860		-
28	Boeing 737-600	59	842	-	25%
29	Saab 2000	23	749		0%
30	Airbus A380	516	730		137%

\* Maximum take off weight

## Average Maximum Take Off Weight

in tonnes	2013	Compared to 2012 in %
Passenger or mixed version	92,5	0.4%
Full-freighter version	333,3	2.8%
<b>Total Air transport movements</b>	<b>101,4</b>	<b>0.7%</b>

## According to type, full-freighter version

Ranking	Type	Average MTOW*	Movements	Compared to 2012 in %
1	Boeing 747-400	403	6,429	0%
2	Boeing 777-200	348	3,982	30%
3	MD11	286	2,046	- 23%
4	Airbus A300	171	840	- 10%
5	Boeing 757-200	105	635	1%
6	Boeing 747-8	446	469	226%
7	Embraer EMB 120	12	400	535%
8	Boeing 747-200	378	379	- 46%
9	Boeing 767-300	187	173	- 2%
10	Airbus A330-200	233	164	64%
11	Boeing 737-400	68	26	160%
12	Airbus A310	161	18	50%
13	ATR72	22	18	- 96%
14	Boeing 737-300	66	12	- 25%
15	ATR42	18	6	- 73%

\* Maximum take off weight

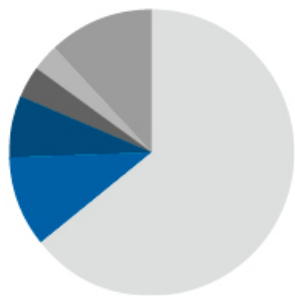
## → Air transport movements, main airlines

## Air transport movements 2013

Ranking	(2012 ranking)	Airline	Total	Compared to 2012 in %
1	(1)	KLM	215,670	0.9%
2	(2)	transavia.com	27,462	1.7%
3	(3)	easyJet (incl easyJet CH)	25,076	- 2.3%
4	(4)	Air France	13,517	- 7.1%
5	(5)	Delta Air Lines	11,353	3.4%
6	(6)	British Airways	10,552	- 3.6%
7	(7)	Lufthansa	10,234	- 5.7%
8	(8)	Arke Fly	8,482	7.6%
9	(13)	Flybe	5,660	57.5%
10	(10)	Aer Lingus	4,998	- 1.6%
11	(11)	SAS	4,885	- 2.1%
12	(9)	Alitalia	4,722	- 23.7%
13	(12)	Vueling	4,559	- 7.2%
14	(15)	Turkish Airlines	3,690	26.7%
15	(14)	Martinair	3,090	- 12.0%
16	(16)	Swiss	2,900	- 0.1%
17	(17)	United Airlines	2,750	- 0.9%
18	(18)	Austrian Airlines	2,700	- 0.3%
19	(19)	TAP Portugal	2,684	3.7%
20	(21)	Corendon Dutch Airlines	2,576	27.0%
21	(20)	China Southern	2,528	6.7%
22	(30)	Pegasus	2,077	39.0%
23	(22)	Corendon	1,961	- 2.8%
24	(23)	LOT Polish Airlines	1,866	1.9%
25	(27)	Norwegian	1,860	8.8%
26	(26)	Royal Air Maroc	1,620	- 5.3%
27	(37)	Emirates	1,526	16.3%
28	(33)	Estonian Air	1,493	7.6%
29	(35)	Air Europa	1,458	7.3%
30	(31)	Aeroflot	1,457	0.2%
<b>Other airlines</b>			<b>40,159</b>	<b>0.6%</b>
<b>Total</b>			<b>425,565</b>	<b>0.5%</b>



By airline segment



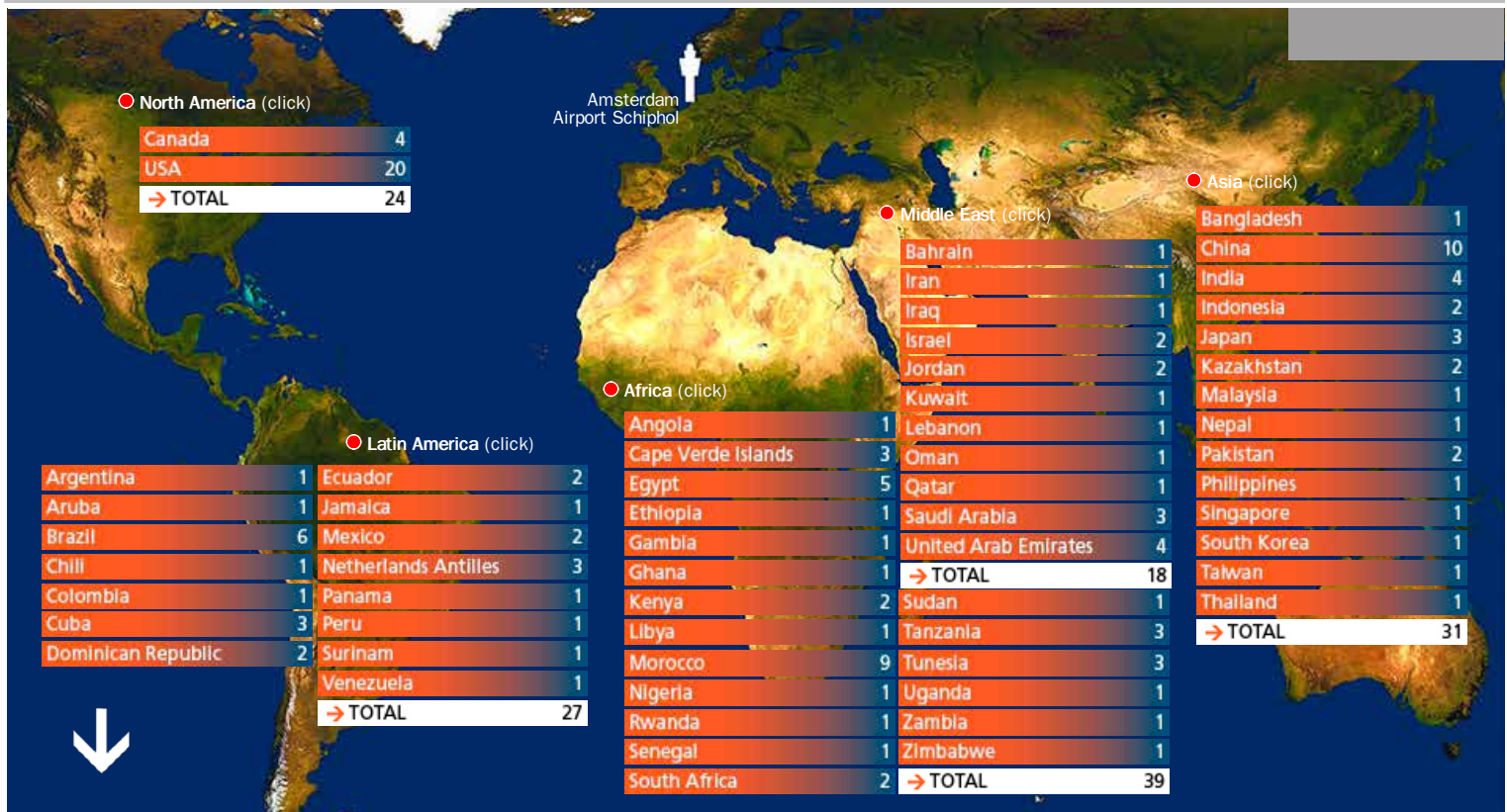
	2013	Share in total
■ SkyTeam & partners (pax only)	274,451	64.5%
■ Low cost carriers	42,814	10.1%
■ Leisure carriers	29,206	6.9%
■ Full freighter carriers	15,623	3.7%
■ Legacy carriers intercontinental	13,364	3.1%
■ Legacy carriers Europe	50,107	11.8%
<b>Total air transport movements</b>	<b>425,565</b>	<b>100.0%</b>

→ New airlines

Example of airlines starting services in 2013

Ranking	Airline	
1	 Germanwings	pax
2	 HOP!	pax
3	 Blue Islands	pax
4	 Darwin Airline	pax
5	 WOW air	pax
6	 Yangtze River Express	freight

→ Origins and destinations intercontinental

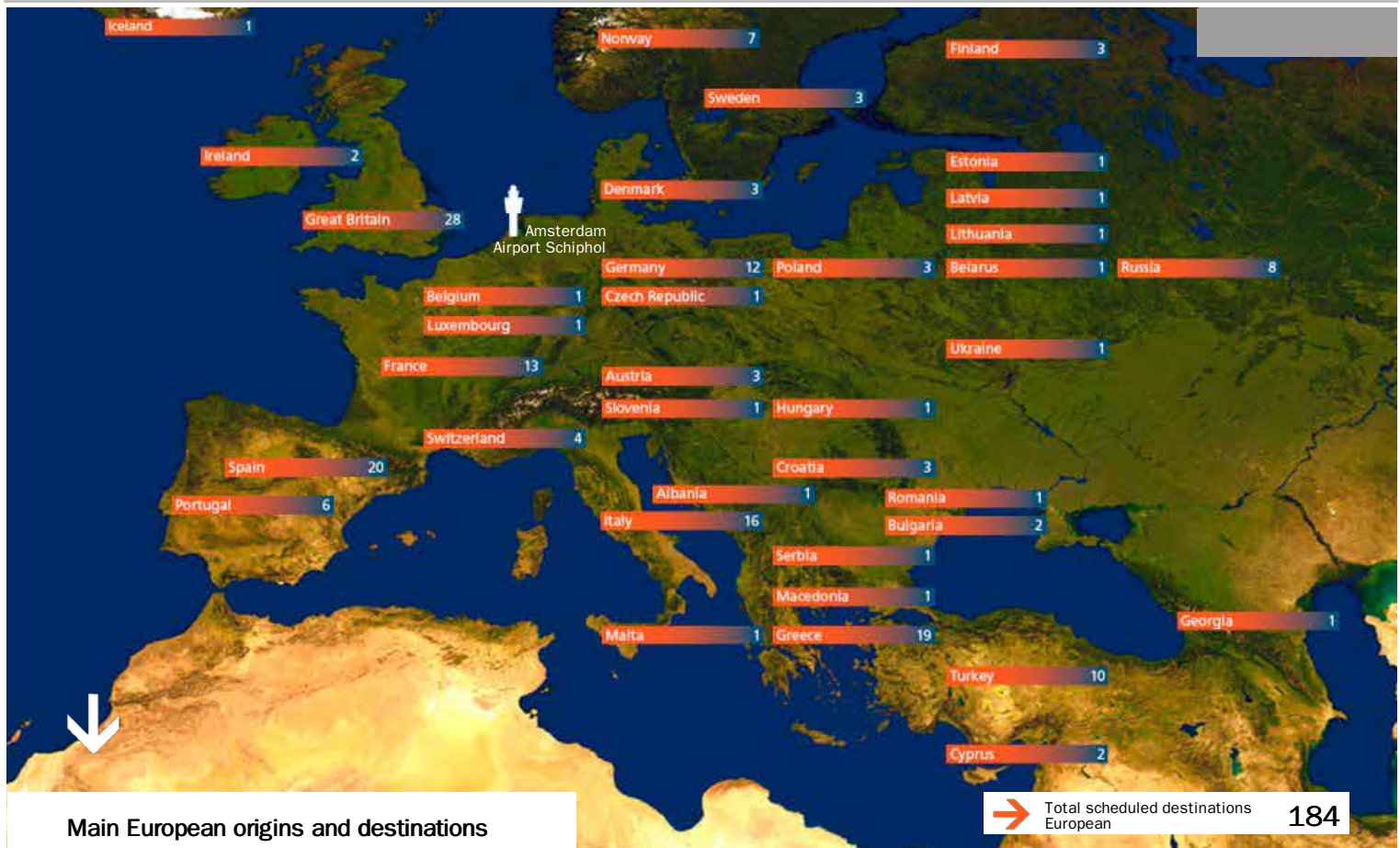


Main Intercontinental origins and destinations

→ Total scheduled destinations intercontinental **139**

Ranking	(2012 ranking)	Airport	Air Transport Movements	Compared to 2012 in %
1	(1)	Shanghai	3,297	11.3%
2	(2)	Detroit	2,588	- 1.0%
3	(6)	New York (JFK)	2,475	12.8%
4	(4)	Dubai	2,452	8.2%
5	(7)	Atlanta	2,443	14.7%
6	(3)	Hong Kong	2,270	- 3.4%
7	(5)	Nairobi	2,169	- 2.6%
8	(8)	Tel Aviv	2,128	0.4%
9	(9)	Minneapolis	1,871	- 0.8%
10	(10)	Chicago	1,703	- 5.4%
11	(11)	Newark (EWR)	1,460	- 8.3%
12	(15)	Houston	1,449	- 0.3%
13	(13)	Tokyo	1,443	- 1.5%
14	(14)	Washington	1,437	- 1.4%
15	(23)	Beijing	1,411	23.6%
16	(12)	Singapore	1,377	- 10.1%
17	(16)	Toronto	1,370	- 3.6%
18	(18)	Seoul	1,309	- 0.8%
19	(17)	Guangzhou	1,269	- 8.7%
20	(21)	Jakarta	1,251	4.3%

→ Origins and destinations European



Main European origins and destinations

→ Total scheduled destinations European 184

Ranking	(2012 ranking)	Airport	Air Transport Movements	Compared to 2012 in %
1	(1)	London Heathrow	13,260	- 1.2%
2	(2)	Paris CDG	8,880	- 4.4%
3	(3)	Frankfurt	8,660	- 0.9%
4	(4)	Munich	8,381	- 2.2%
5	(5)	Barcelona	7,931	- 7.4%
6	(7)	Copenhagen	7,489	- 1.5%
7	(8)	Zürich	7,076	0.3%
8	(9)	London City	6,810	- 0.7%
9	(10)	Rome Fiumicino	6,661	1.1%
10	(11)	Oslo	5,991	- 1.4%
11	(12)	Geneva	5,882	- 0.8%
12	(13)	London Gatwick	5,850	0.6%
13	(14)	Vienna	5,345	- 1.1%
14	(15)	Manchester	5,312	- 0.5%
15	(16)	Stockholm	5,269	1.1%
16	(6)	Madrid	5,244	- 33.2%
17	(19)	Birmingham	5,240	15.5%
18	(20)	Lisbon	5,089	14.1%
19	(17)	Hamburg	5,023	- 3.6%
20	(18)	Edinburgh	4,792	- 4.7%