SECOND ICAO MEETING ON THE SUSTAINABLE DEVELOPMENT OF AIR TRANSPORT IN AFRICA 28 – 31 March 2017, Accra, Ghana

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Session 1

Regulatory Framework of Air Transport: Update on ICAO's 39th Assembly and the United Nations Efforts Towards Sustainable Development

Boubacar Djibo Director, Air Transport Bureau, ICAO



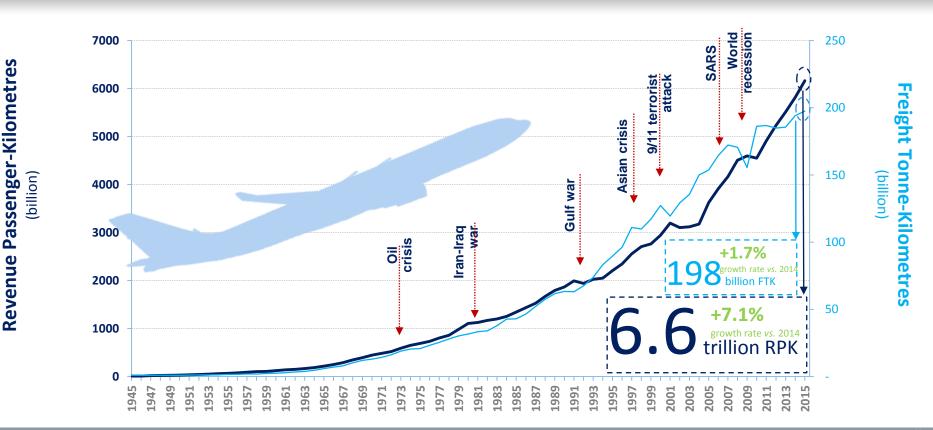
Value of Aviation

A39 Outcomes

Sustainable Development Agenda



Growth of air transport



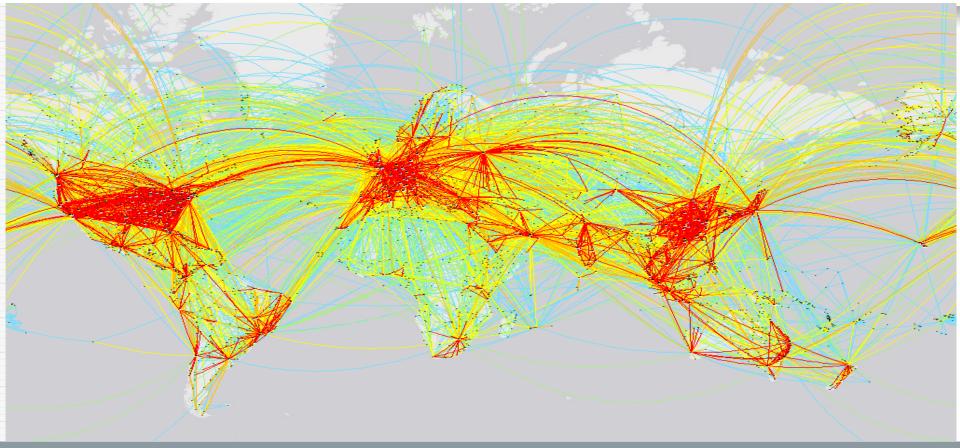


The size of the industry 2015

- → 3.5 billion passengers
- 34 million aircraft departures
- > 51 million tonnes of freight
- Over 1 400 scheduled airlines
- More than 27 000 aircraft
- → More than 4 130 airports
- > 173 air navigation centres

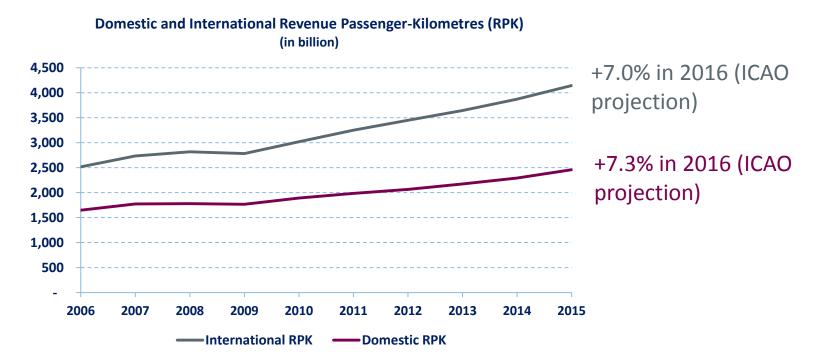


Air route network 2015





International and domestic passenger traffic





Economic benefits of aviation in 2015

Direct economic contribution of the aviation sector

10.0 million

Direct jobs supported by aviation worldwide

\$718 billion

Direct, indirect, induced and tourism economic contribution of the aviation sector

63.5 million

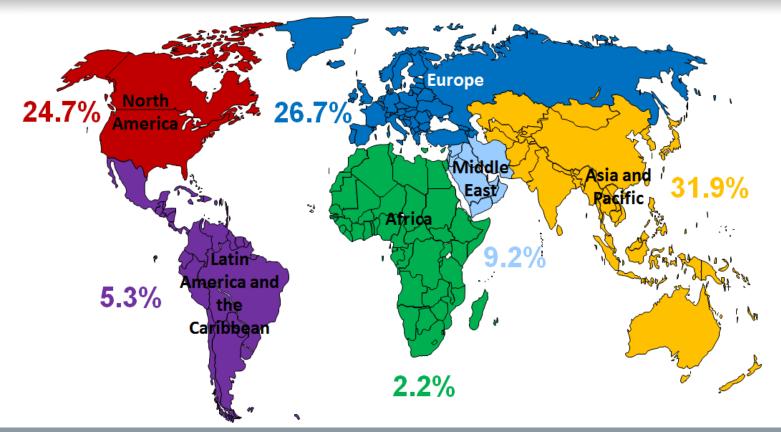
Jobs supported by aviation worldwide

\$2.7 trillion Global economic impact

In collaboration with the United Nations, States and international organizations, ICAO is developing a universally-accepted methodology to measure aviation's gross domestic product (GDP) relative to overall economic activity, to better showcase the economic benefits of aviation to the public.



Share of Revenue Passenger-Kilometres by region in 2015





Traffic rankings in 2014-15

International Scheduled Revenue Tonne-Kilometres (RTK)

Rank	State of AOC	RTK 2014	RTK share (%)	Cumulative (%)
1	China (1)	62,661,657,151	11.76083%	11.76083%
2	United States	62,359,064,486	11.70404%	23.46486%
3	United Arab Emirates	46,892,720,885	8.80119%	32.26605%
4	United Kingdom	30,158,001,753	5.66029%	37.92634%
5	Germany	28,814,799,214	5.40819%	43.33453%
6	Republic of Korea	20,764,711,405	3.89728%	47.23181%
7	Singapore	18,511,391,369	3.47436%	50.70617%
8	France	17,732,411,000	3.32816%	54.03433%
9	Netherlands	15,962,395,348	2.99595%	57.03028%
10	Japan	14,581,032,148	2.73668%	59.76696%
11	Qatar	14,293,445,230	2.68271%	62.44967%
12	Turkey	13,771,403,581	2.58472%	65.03439%
13	Canada	11,983,608,812	2.24918%	67.28357%
14	Ireland	11,868,967,019	2.22766%	69.51123%
15	Russian Federation	11,802,890,290	2.21526%	71.72649%
16	Malaysia	9,593,485,831	1.80058%	73.52707%
17	Australia	8,855,781,434	1.66212%	75.18919%
18	Thailand	8,473,871,575	1.59044%	76.77963%
19	Spain	7,995,446,551	1.50065%	78.28028%
20	India	6,510,575,876	1.22196%	79.50223%

Rank	State of AOC	RTK 2015	RTK share (%)	Cumulative (%)
1	China (1)	70,403,245,196	12.42421%	12.42421%
2	United States	61,944,119,667	10.93141%	23.35562%
3	United Arab Emirates	52,100,507,516	9.19429%	32.54991%
4	United Kingdom	31,065,034,269	5.48211%	38.03203%
5	Germany	30,507,251,927	5.38368%	43.41571%
6	Republic of Korea	21,802,605,943	3.84755%	47.26326%
7	Singapore	18,615,753,428	3.28516%	50.54842%
8	France	18,295,414,100	3.22863%	53.77705%
9	Qatar	17,359,871,880	3.06353%	56.84059%
10	Netherlands	15,732,743,524	2.77639%	59.61698%
11	Turkey	15,587,345,360	2.75073%	62.36771%
12	Japan	15,527,311,664	2.74014%	65.10785%
13	Ireland	13,165,546,390	2.32335%	67.43120%
14	Canada	13,040,382,256	2.30126%	69.73246%
15	Russian Federation	11,635,019,200	2.05326%	71.78572%
16	Australia	9,368,848,020	1.65334%	73.43906%
17	Spain	9,215,837,003	1.62634%	75.06540%
18	Thailand	9,113,598,830	1.60830%	76.67370%
19	Malaysia	8,966,590,598	1.58235%	78.25605%
20	India	6,994,194,840	1.23428%	79.49033%



Capacity growth stimulating traffic International capacity growth – Top 20 in terms of ASK Top 20 new routes in ASK in 2015

Rank	State	Percentage Increase in ASK	City Pair	
1	China	17%	Istanbul - San Francisco	Т
2	United Arab Emirates	15%	Abu Dhabi - Brisbane	Unite
3	Turkey	17%	Taipei - Istanbul	
	1	19%	Istanbul - Jakarta	
4	Qatar		Dubai - Denpasar-Bali	Unite
5	Canada	11%	Hong Kong - Boston	
6	Spain	12%	Melbourne - Beijing	
7	Ireland	8%	Houston - Taipei	
8	Germany	4%	Edinburgh - Abu Dhabi	United k
9	United States	2%	Orlando - Dubai	
10	Japan	8%		United
11	Republic of Korea	5%	Dallas - Beijing	
12	Mexico	22%	Brisbane - Tokyo	
13	United Kingdom	2%	Istanbul - Manila	
14	India	8%	Sao Paulo - Addis Ababa	
15	Oman	37%	Salt Lake City - Amsterdam	U
16	Hungary	18%	Guangzhou - San Francisco	
17	Philippines	10%	Vancouver - Osaka	
18	Brazil	14%	San Jose - Beijing	
19	Ethiopia	16%	Nairobi - Hanoi	
20	France	3%	Osaka - Los Angeles	

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ASK: Available Seat-Kilometres



Low-cost carriers (LCCs) stimulating traffic

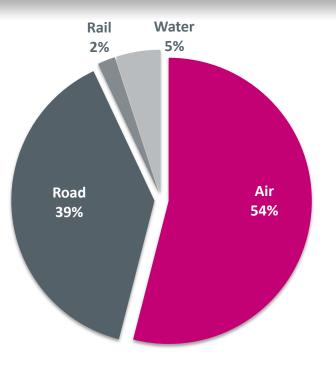


Passenger number growth for LCCs and other carriers

	2014	2015
LCCs	9.8%	10.3%
Others	4.2%	5.5%
Total	5.7%	6.8%

LCCs growth has been consistently twice as much as other carriers' growth





More than half of international inbound tourist arrived by air in 2015



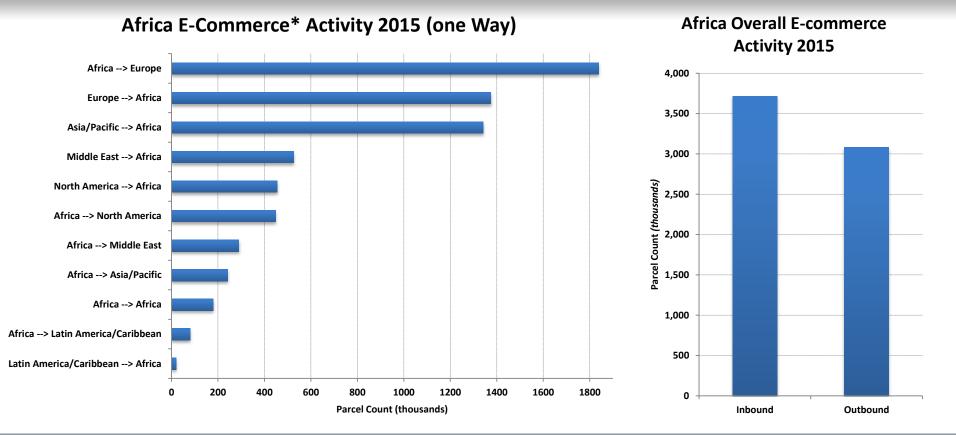
<u>Volume</u> of world international cargo shipment

<u>Value</u> of world international cargo shipment





E-commerce to/from Africa and other Regions

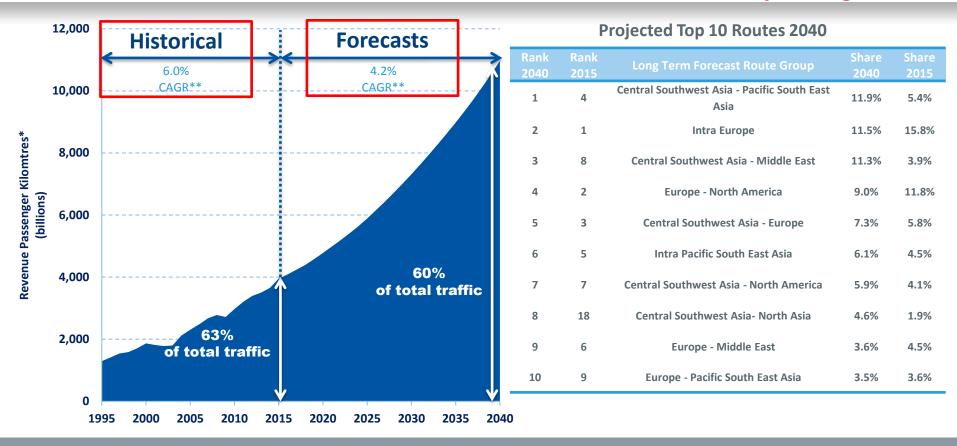


Source: ICAO and Universal Postal Union (UPU)



Long-term air traffic forecasts

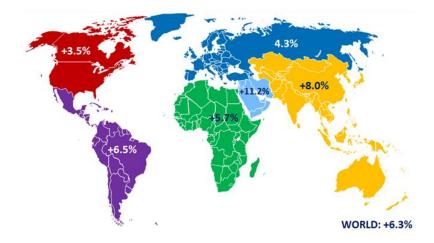
Scheduled international passenger traffic





ICAO 2016 preliminary results

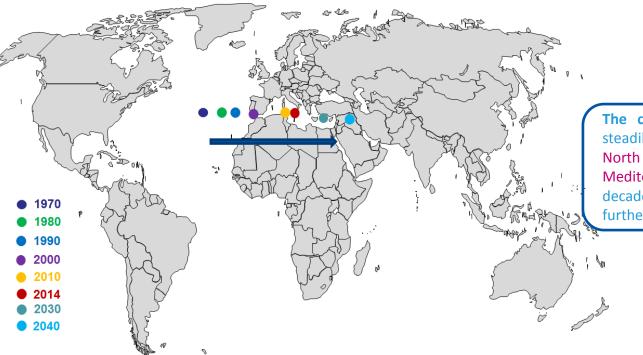
Number of passengers: +6.0% in 2016, 3.7 billion pax carried in 2016 (+6.8% in 2015) Revenue Passenger-Kilometres: +6.3% in 2016 (+7.1% in 2015)



International scheduled passenger traffic growth in 2016



Centre of gravity



The centre of gravity has been steadily moving from the middle of North Atlantic to the middle of the Mediterranean sea in the last four decades. It is expected to move further east by 2040.

Geographical centre of gravity of departing/arriving passengers



Value of Aviation

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Economic Development of Air Transport



- Acknowledgement of need to consider a new ICAO Global Air Transport Plan.
- Endorsement of action plan for the finalization of the international agreements being developed by ICAO for the liberalization of market access, air cargo and air carrier ownership and control.
- Endorsement of the action plan for further customization of long term traffic forecasts for global and regional forecasts for aviation personnel (Doc 9956) to meet the requirements of the ICAO Next Generation Aviation Professional (NGAP) programme.



Economic Development of Air Transport



- Promote the strengthening of partnerships in the area of data sharing and analysis with the UN, its agencies, international, regional organizations and academia to increasing financing and investments for the development of air transport activities.
- Increased awareness and promotion of various updated policy guidance and tools.
- Increased awareness and promotion of the ICAO long-term vision for air transport liberalization and core principles on consumer protection.
- Increased awareness and promotion of various tools and analysis jointly developed by partners.



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Because <u>all</u> ICAO Member States should have access to the benefits of safe and reliable air transport services

No Country Left Behind

- assist States in **implementing ICAO Standards and Recommended Practices** (SARPs)
- ensure that SARP implementation is better harmonized globally
- all States to have access to the significant socio-economic benefits of safe and reliable air transport
- Ultimately contribute to the achievement of the UN Sustainable Development Goals (UN SDGs)



Sustainable Development Goals



Goal 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

9.1 Develop quality, reliable, sustainable and resilient infrastructure, including regional and trans-border infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access for all.



Sustainable Development Goals

9.1.2 Passenger and freight volumes, by mode of transport (by ICAO)

2014 -Passenger and Freight Volumes for Air Transport					
	Total passengers	Share of passenger	Total freight tonnes carried	Share of freight tonnes carried	
World	3,303,349,219		50,351,508		
Developing Regions	1,488,317,905	45.05%	26,087,125	51.81%	
Northern Africa	27,465,990	0.83%	167,082	0.33%	
Sub-Saharan Africa	44,853,931	1.36%	612,980	1.22%	
Latin America and the Caribbean	240,229,220	7.27%	1,922,358	3.82%	
Eastern Asia	522,639,082	15.82%	12,444,007	24.71%	
Southern Asia	114,948,811	3.48%	1,247,289	2.48%	
South-Eastern Asia	279,378,708	8.46%	3,584,099	7.12%	
Western Asia	244,116,326	7.39%	5,984,751	11.89%	
Oceania	4,172,294	0.13%	56,351	0.11%	
Caucasus and Central Asia	10,513,543	0.32%	68,208	0.14%	
Developed regions	1,815,031,314	54.95%	24,264,383	48.19%	
Least Developed countries	26,381,089	0.80%	514,474	1.02%	
Landlocked developing countries	97,713,083	2.96%	667,942	1.33%	
Small island developing States	54,464,259	1.65%	1,276,418	2.54%	