



# Growing Horizons Global Market Forecast

2017 - 2036

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**AIRBUS**

# Global Market Forecast 2017: Highlights

World Fleet Forecast	2016	2036	vs. GMF16	% change 2016-2036
RPK (trillions)	7.0	16.5	+3.1%	135%
Passenger Aircraft Fleet	18,890	40,120	+6.4%	112%
New passenger aircraft deliveries		34,166	+1,741	
Dedicated Freighters	1,610	2,410	+14.2%	50%
New freighter aircraft deliveries		733	+88	
<b>Total New Aircraft Deliveries</b>		<b>34,899</b>	<b>+1,829</b>	

# 20-year demand for almost 35,000 new passenger and freighter aircraft



**24,807** single-aisle aircraft  
+1,277 vs GMF 2016

**8,686** twin-aisle aircraft  
+626

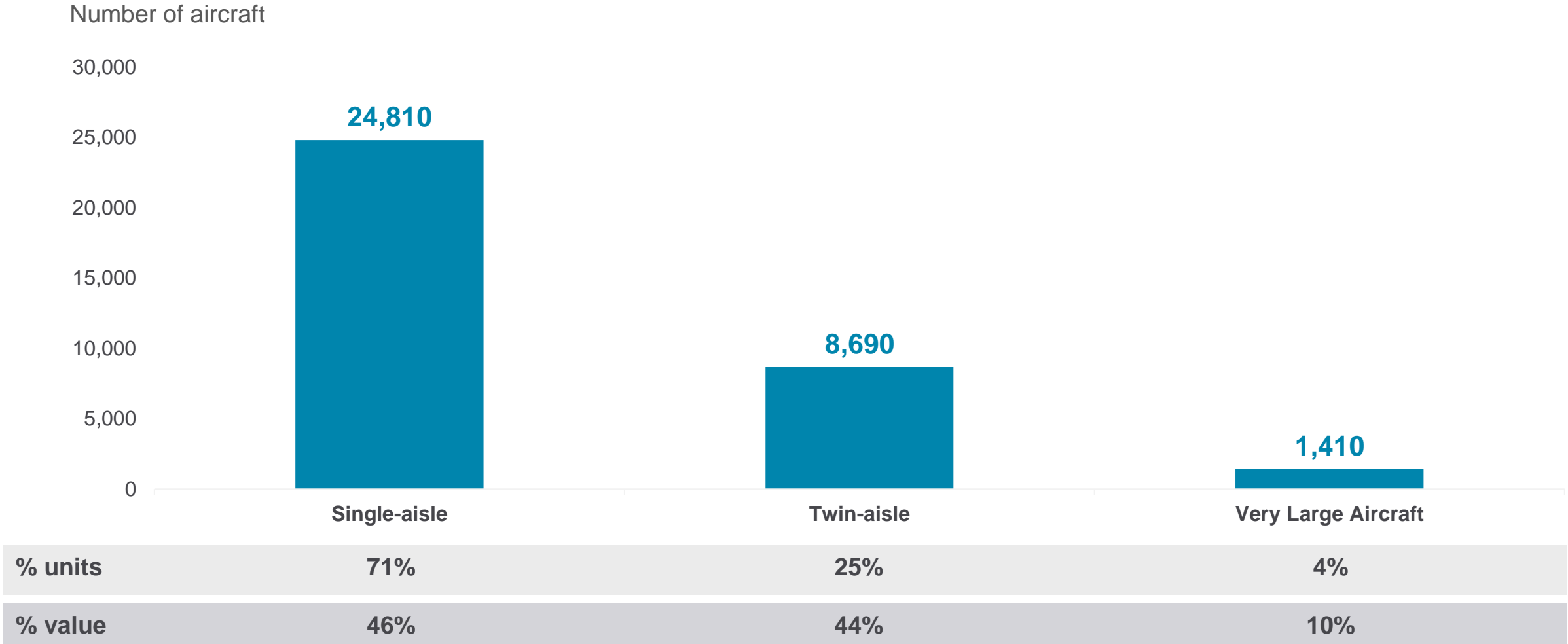
**1,406** very large aircraft  
-74

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**34,899** new aircraft  
+1,829

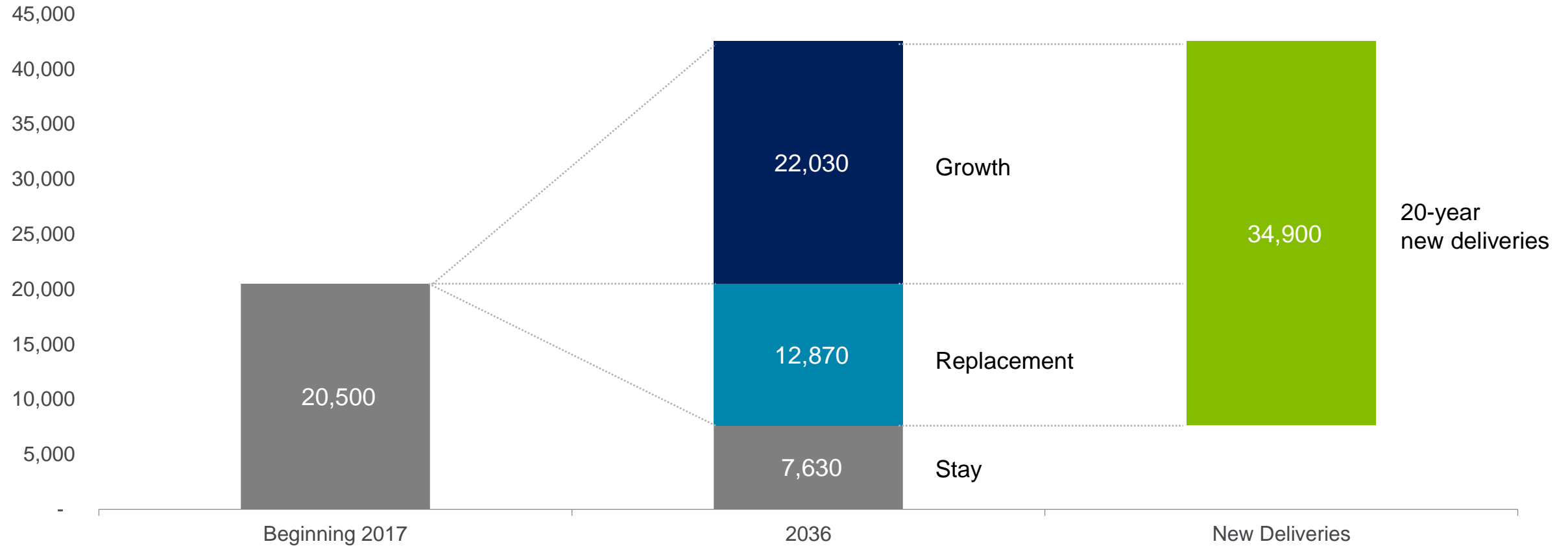
**5.3**  
\$US trillion

# Single-aisle represent 71% of units, and widebodies represent 54% of value



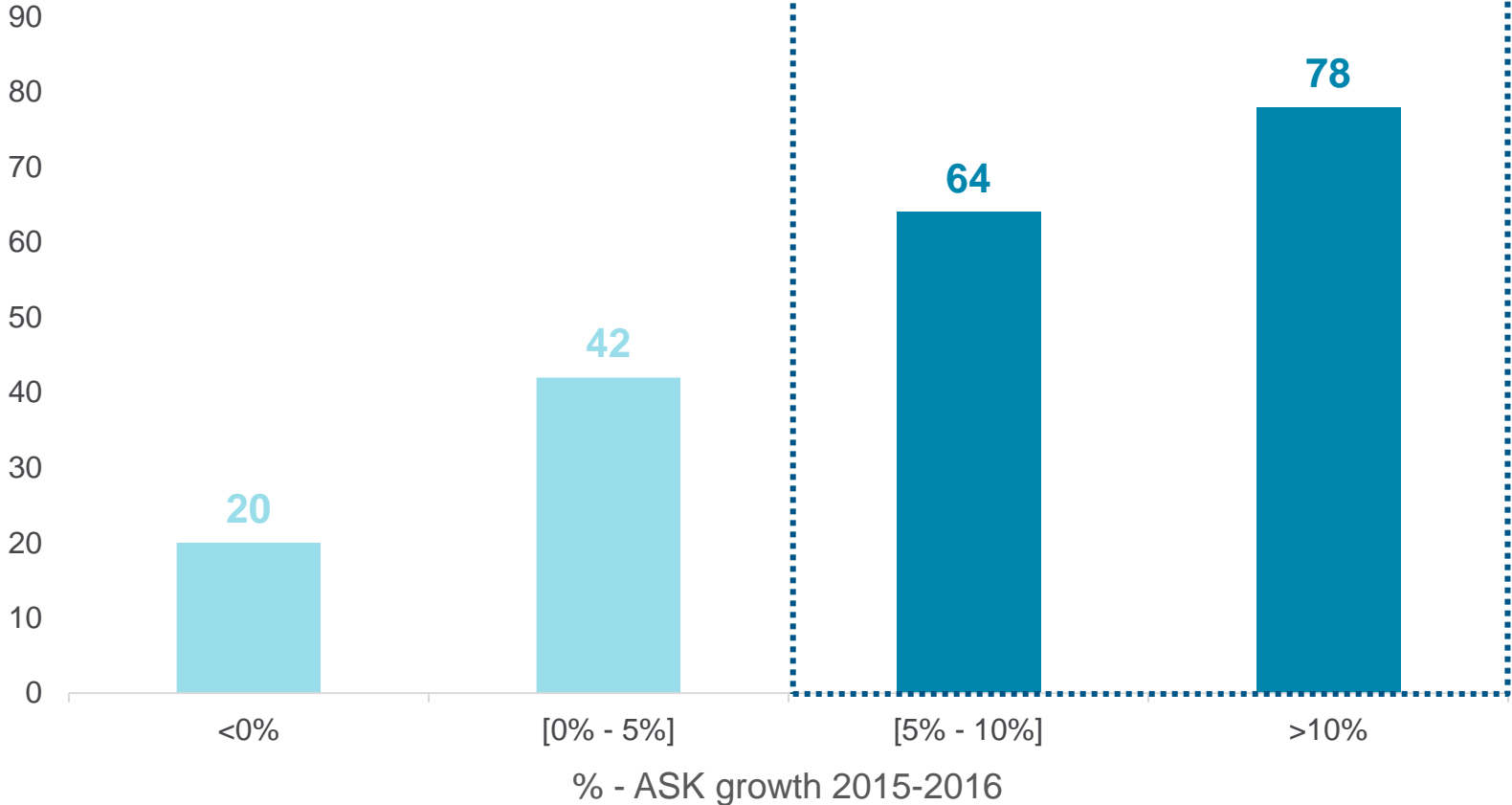
# Fleet in service evolution

Number of aircraft\*



# 2016 was a good year

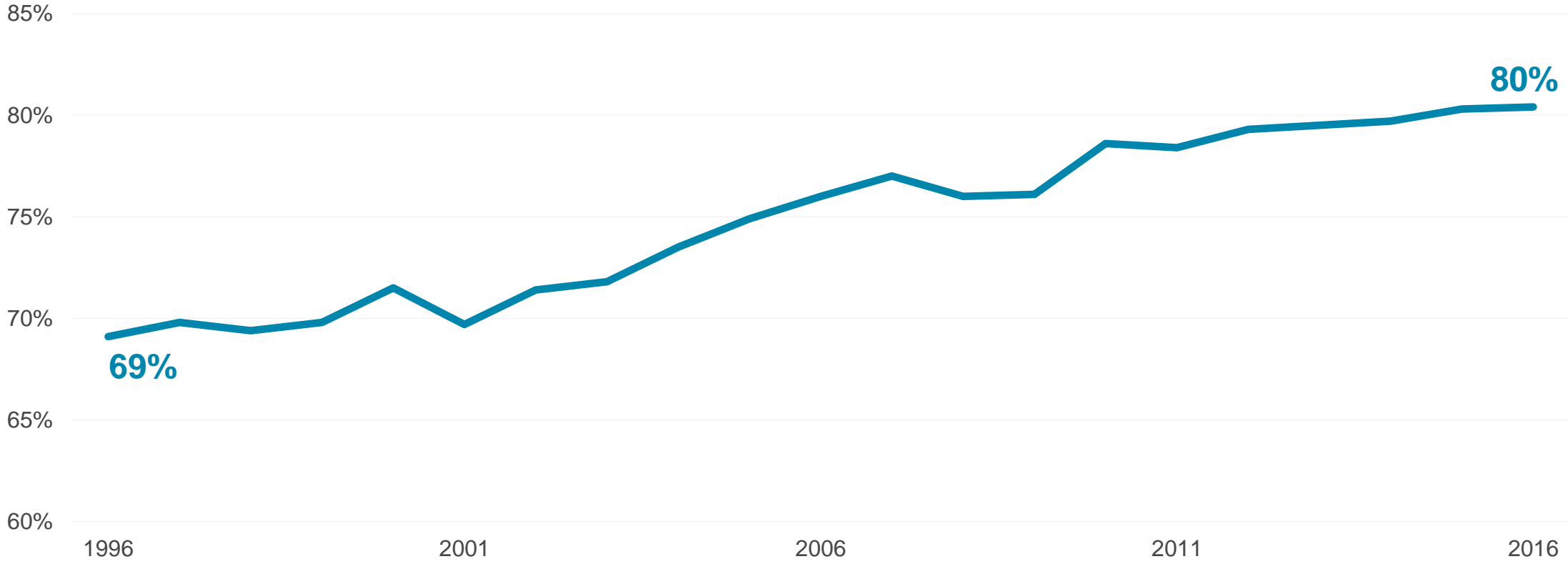
Number of countries



⇒ **81%** of world population  
**88%** of world GDP

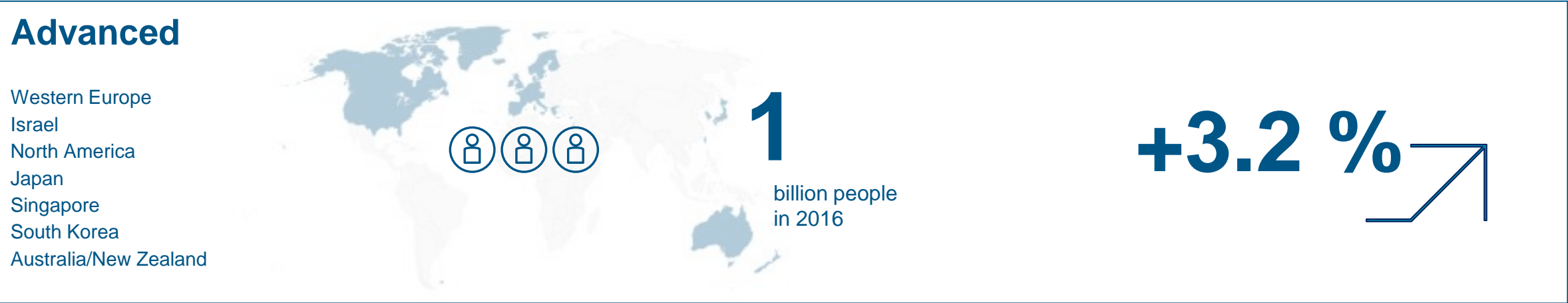
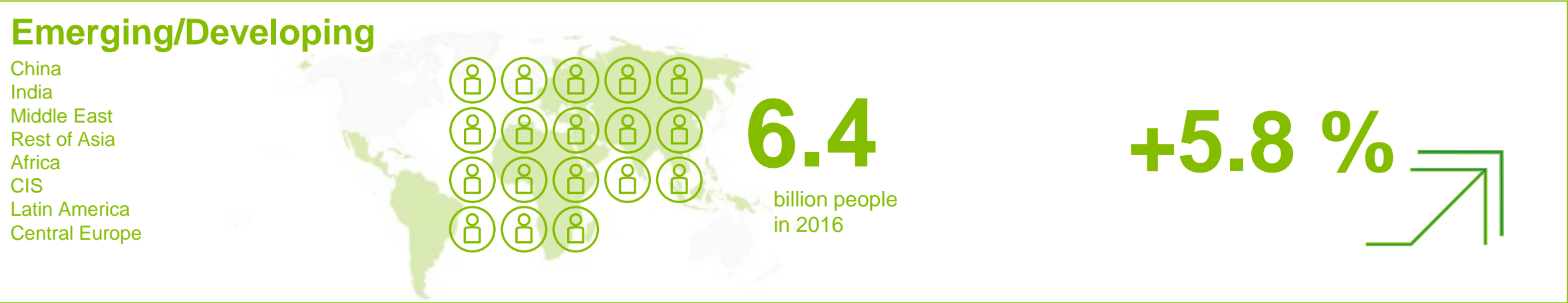
# World load factors remain at record levels

World passenger load factor - %



# Air transport growth is highest in expanding regions

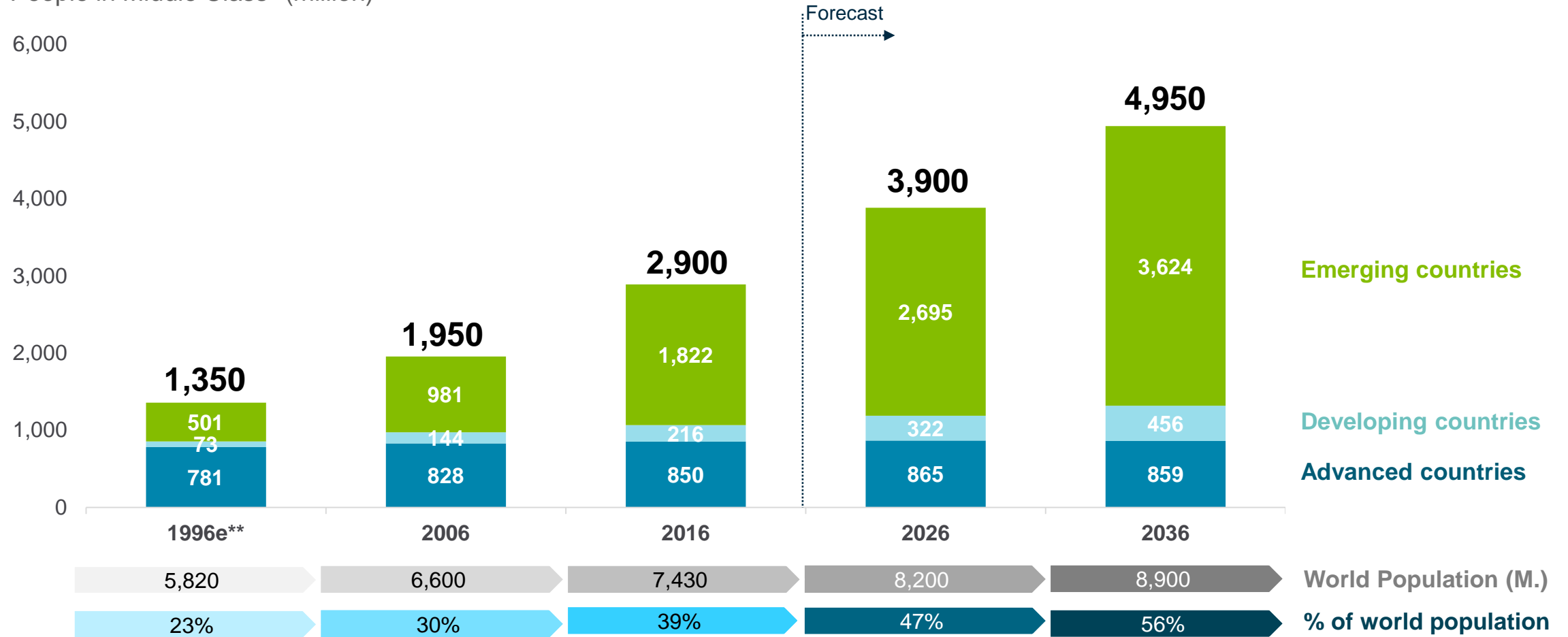
Yearly RPK growth  
2016 - 2036





# Middle Class to almost double over the next 20 years

People in Middle Class\* (million)



Rounded total to nearest 50

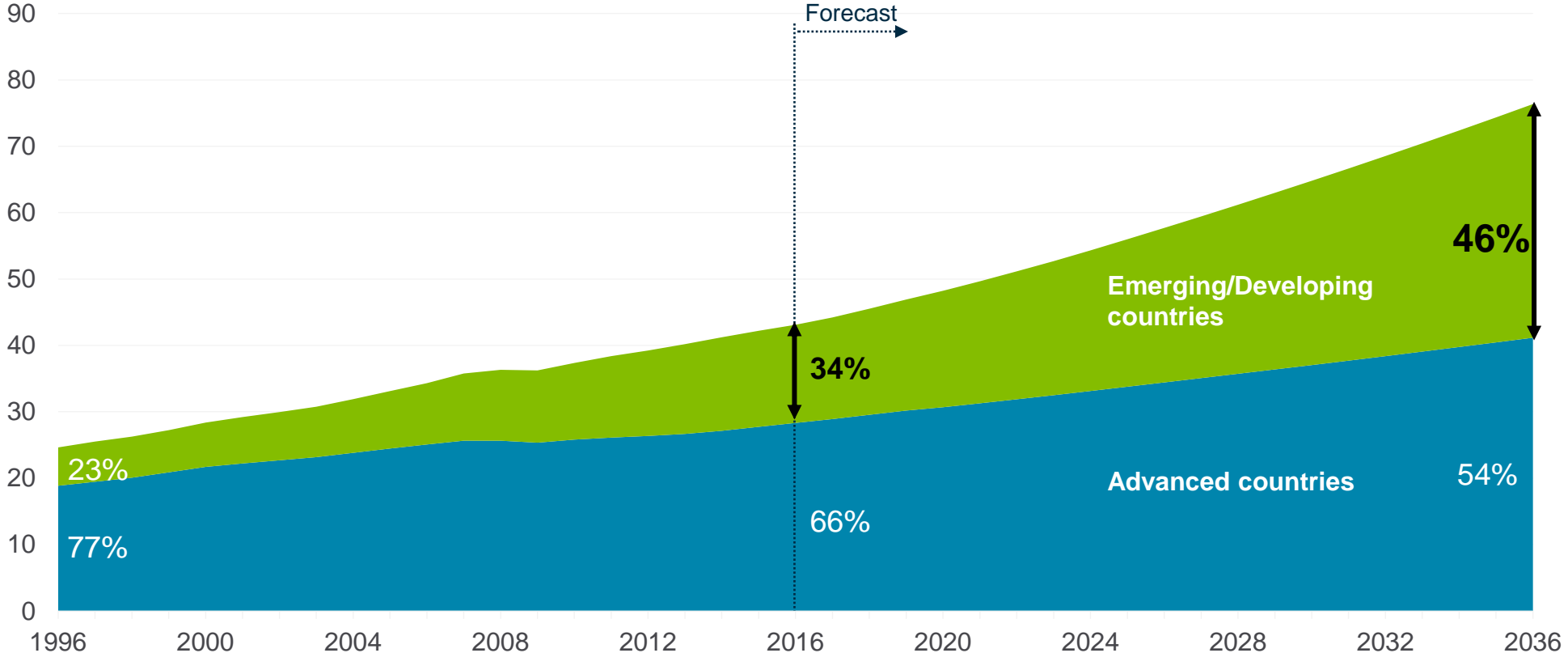
\* Households with yearly income between \$20,000 and \$150,000 at PPP in constant 2016 prices

\*\* Estimate for 1996 split by region

Source: Oxford Economics, Airbus GMF

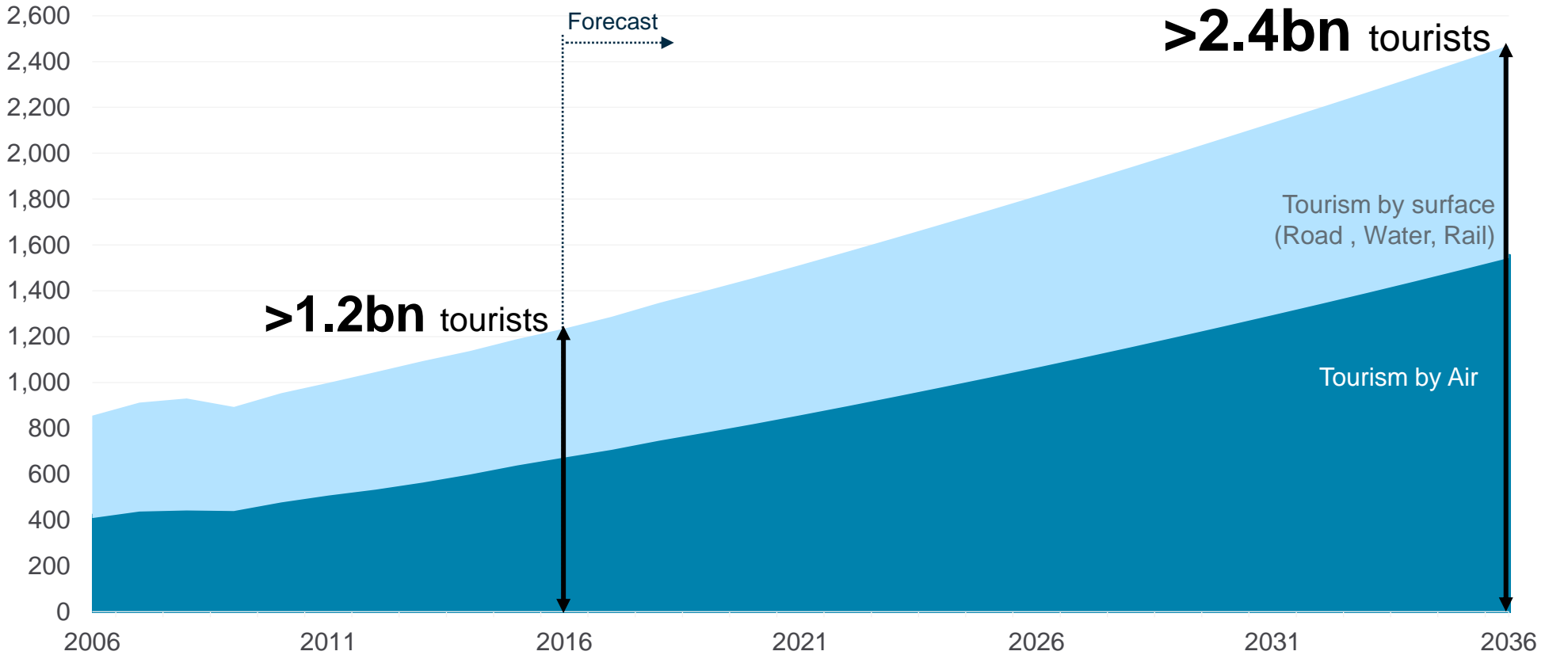
# Almost 50% of world's private consumption to come from emerging markets

World private consumption (trillion 2010 \$US)



# ~60% of international tourists to be transported by air in 2036

International tourist arrivals (million)

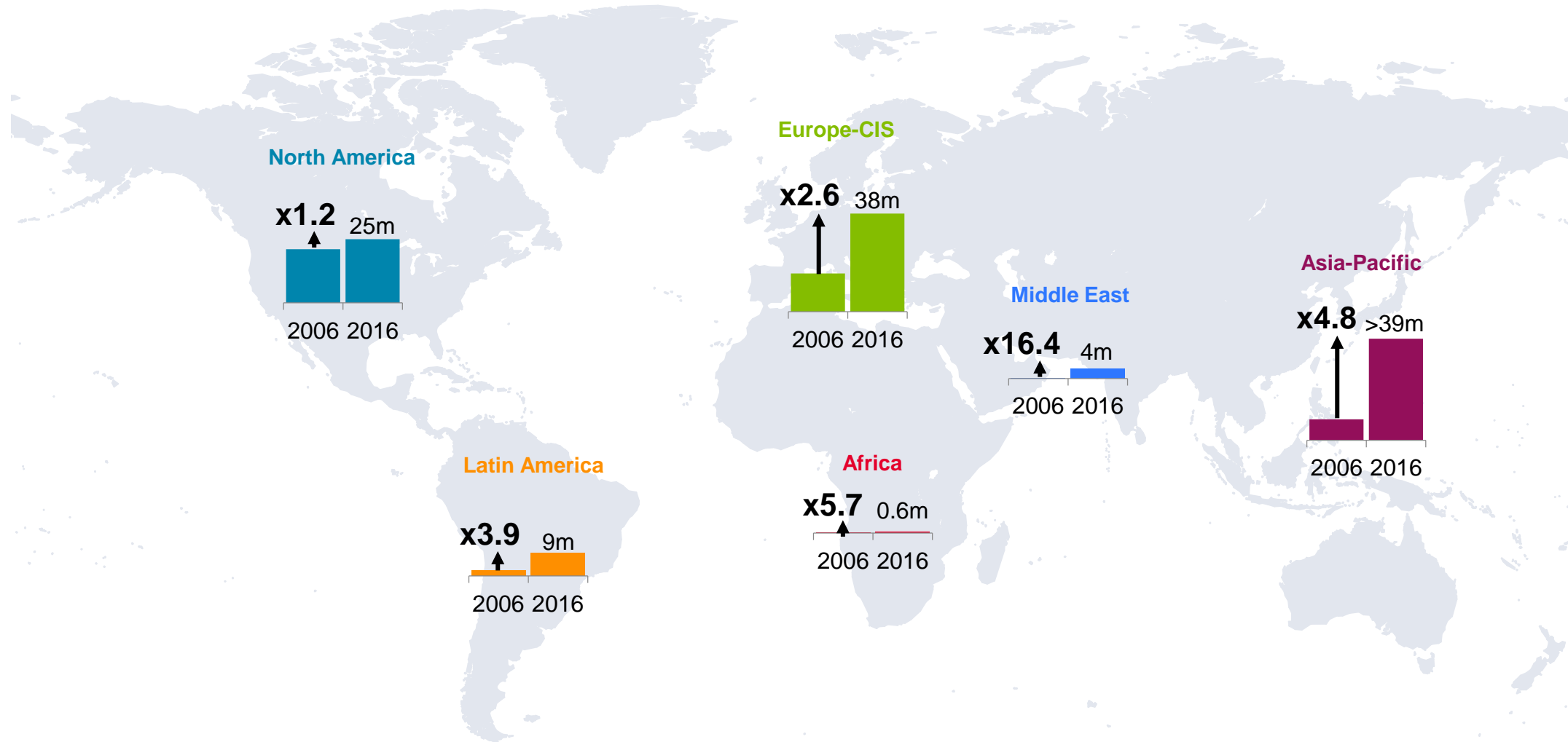


Share of tourists travelling by air

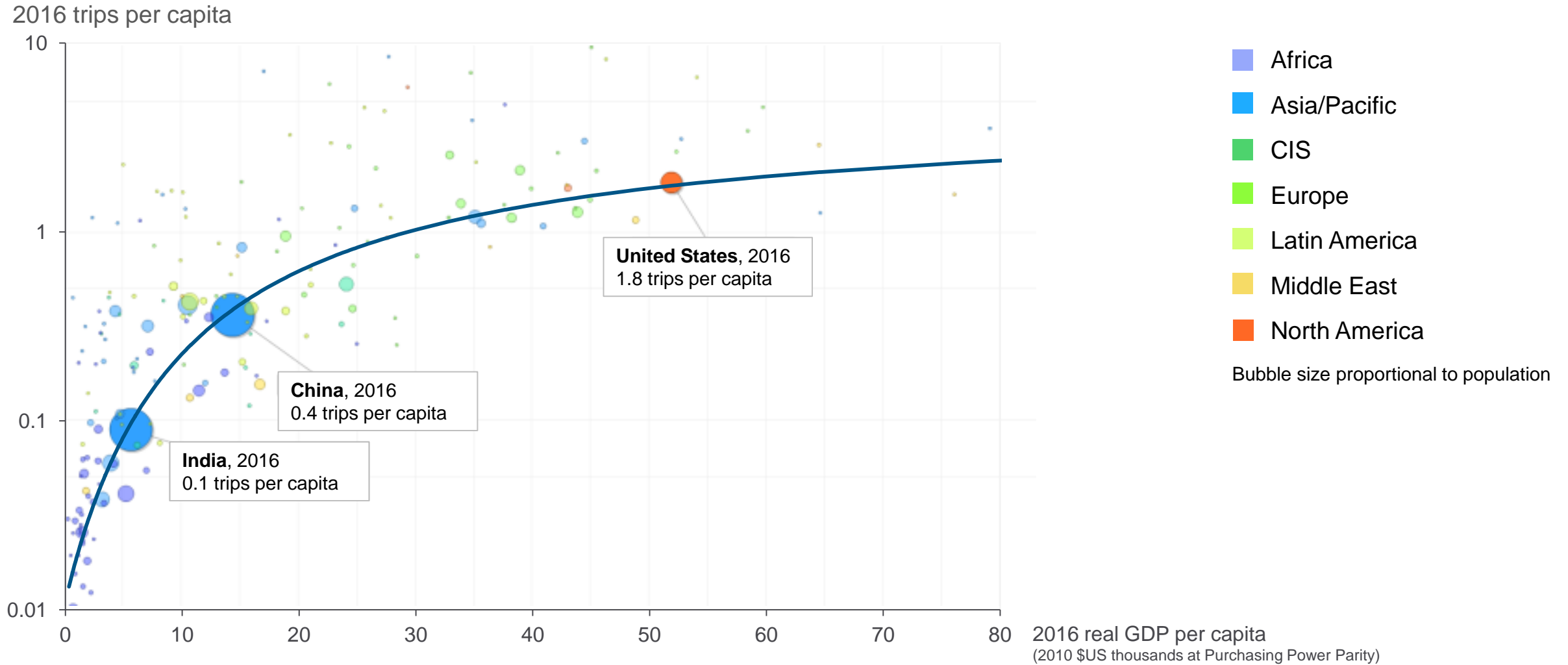
48%      51%      **54%**      57%      59%      61%      **62%**

# Low Cost Carrier market penetration has increased significantly since 2006

Low Cost Carrier seats offered on domestic and intra-regional flights (million)

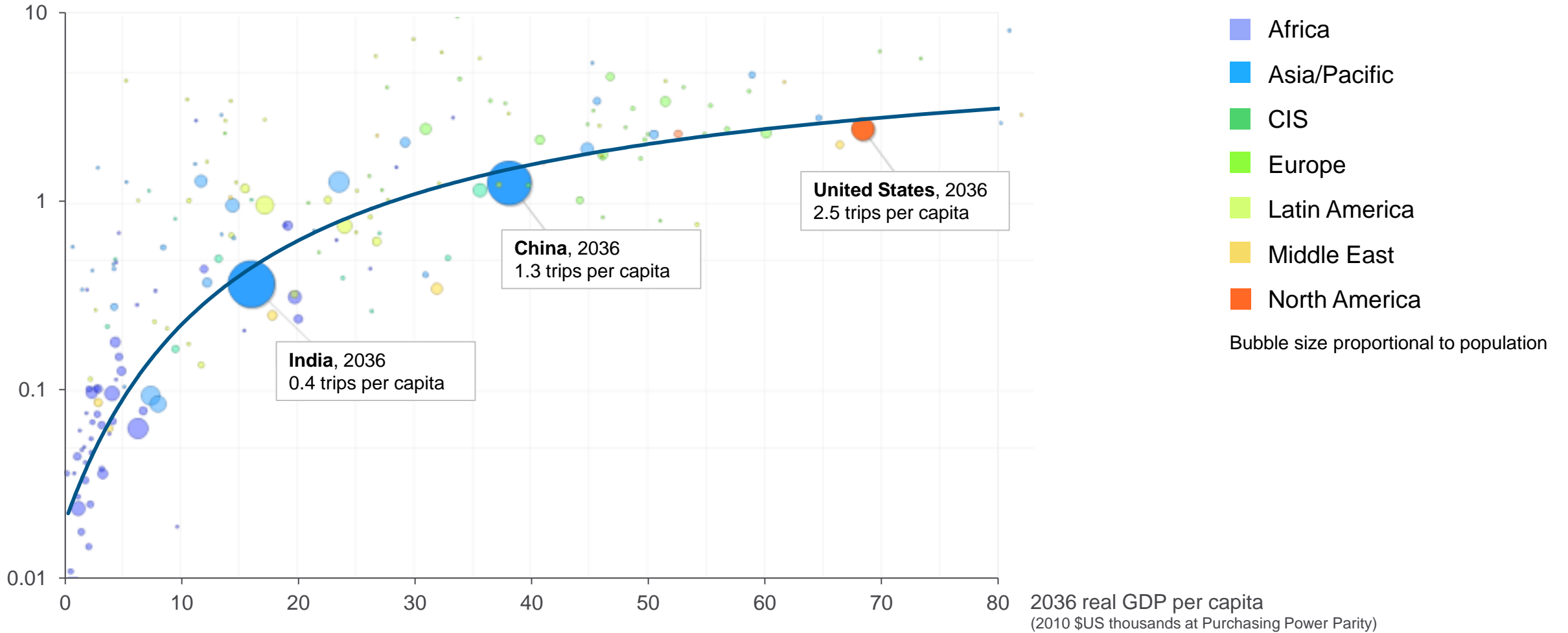


# ~30% of the people from emerging countries took a flight in 2016...

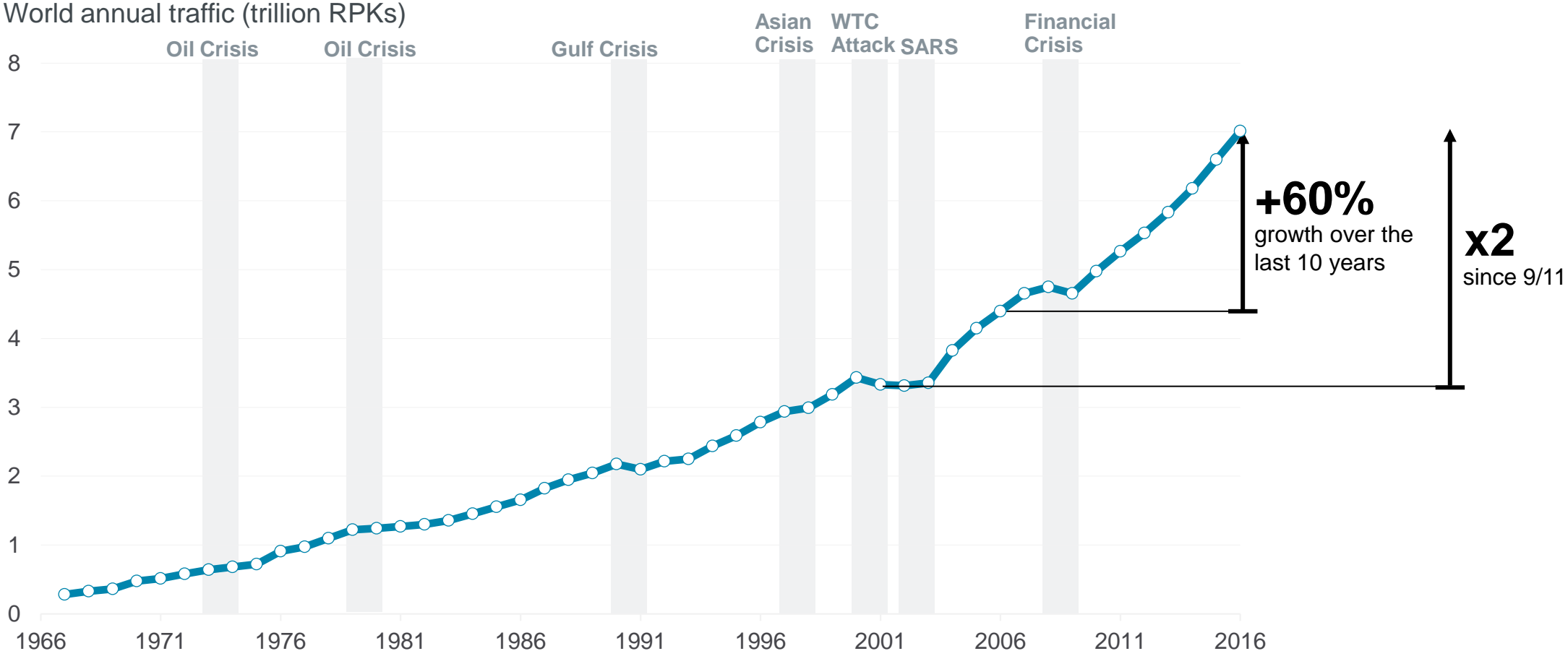


... in 2036, it will be 83%

2036 trips per capita

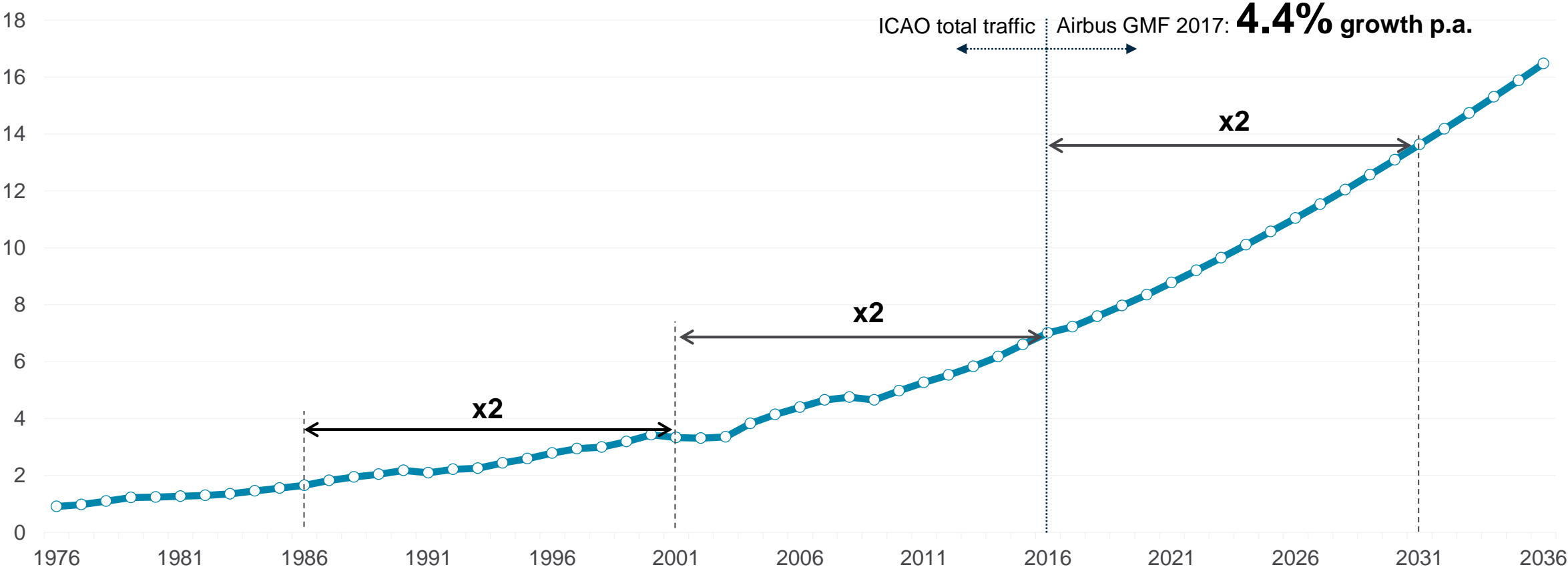


# Air travel has proved to be resilient to external shocks



# Traffic doubles every 15 years

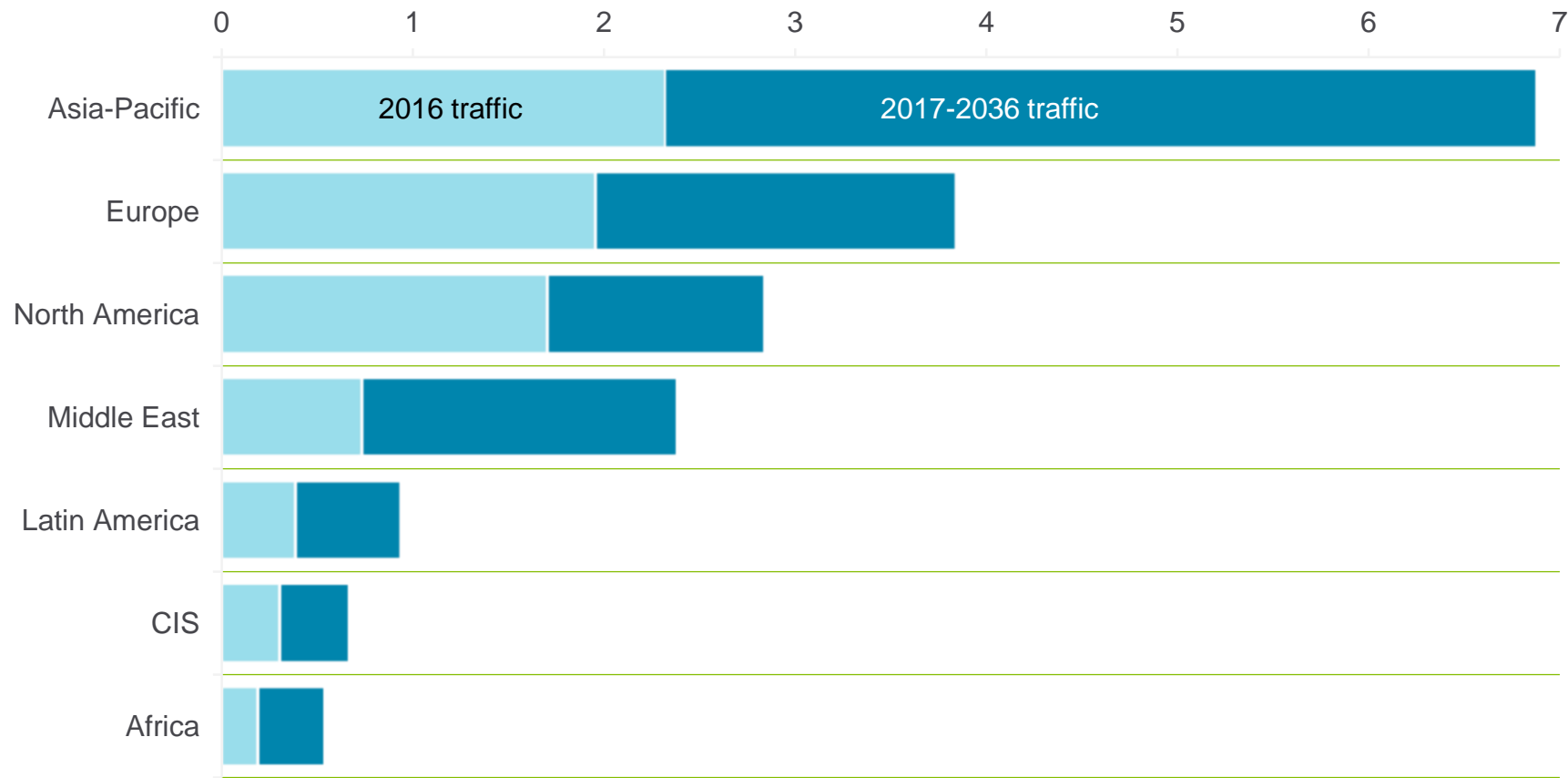
World annual traffic (trillion RPKs)





# Asia-Pacific continues to grow in importance

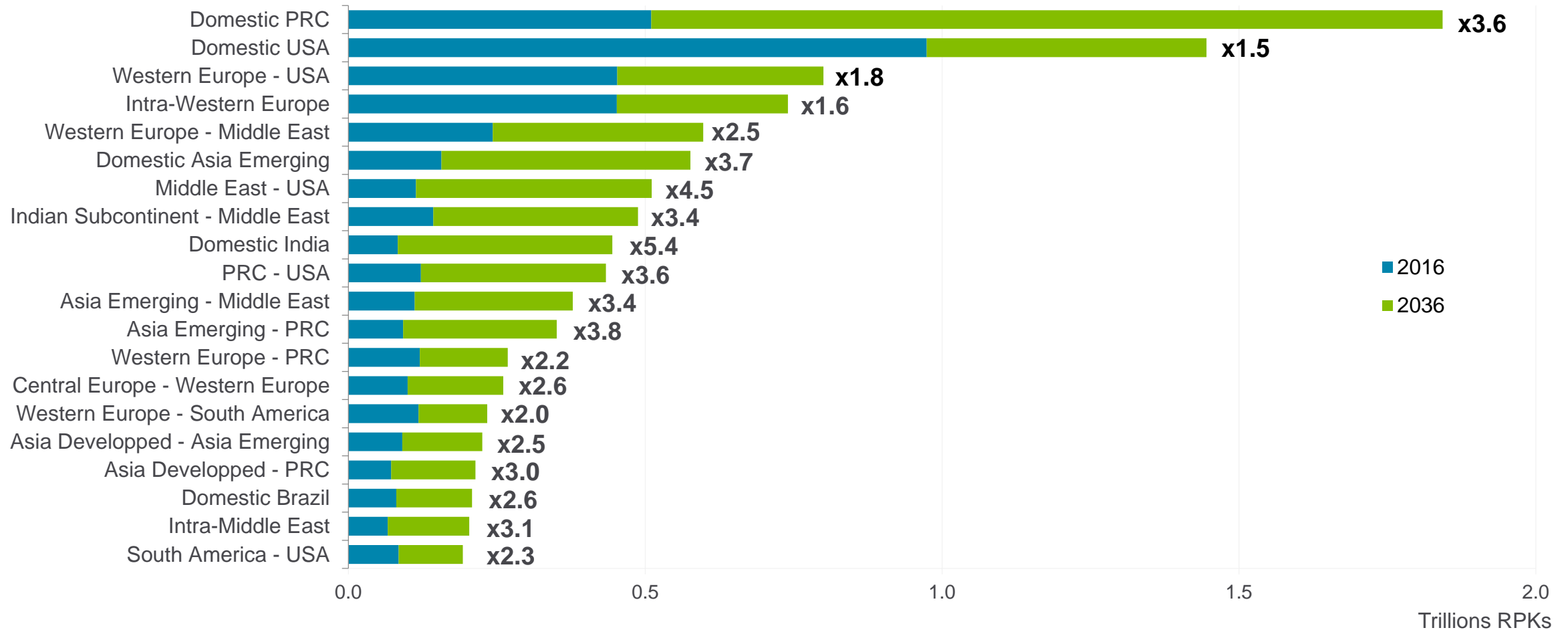
Traffic by airline domicile (trillion RPKs)



Share of 2016 RPKs	20-year CAGR	Share of 2036 RPKs
30%	<b>5.6%</b>	38%
26%	<b>3.4%</b>	21%
22%	<b>2.6%</b>	16%
10%	<b>6.1%</b>	13%
5%	<b>4.5%</b>	5%
4%	<b>4.0%</b>	4%
3%	<b>5.3%</b>	3%

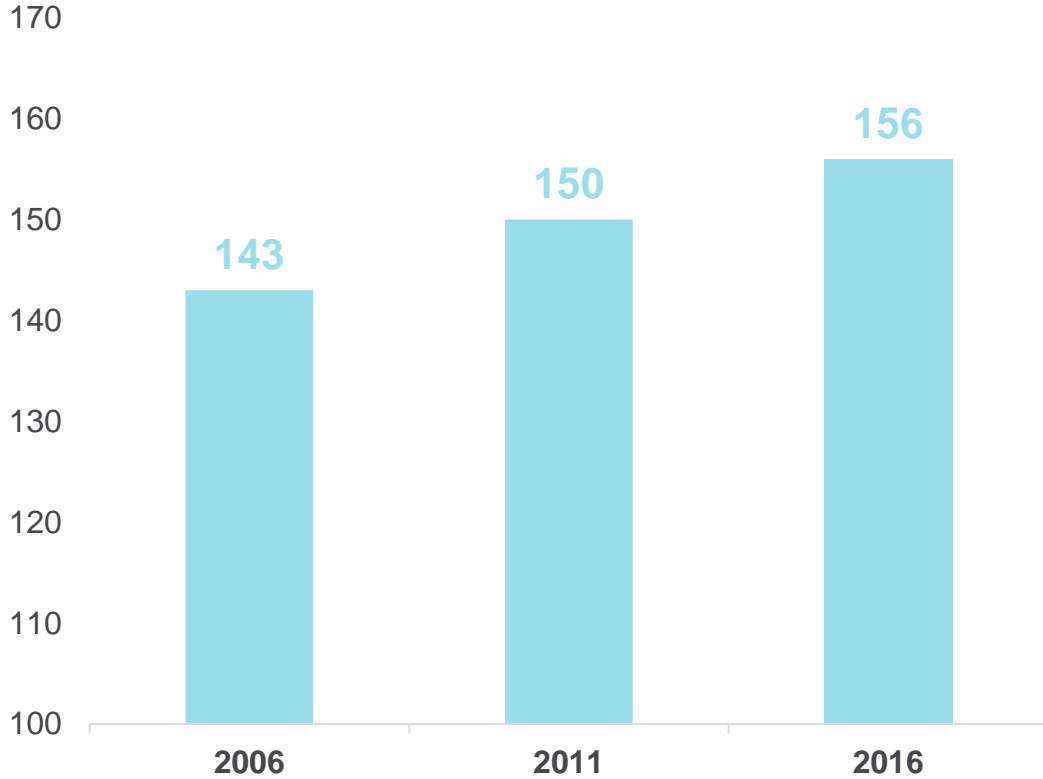
# Domestic Chinese traffic to become number one

Annual traffic per leg flow

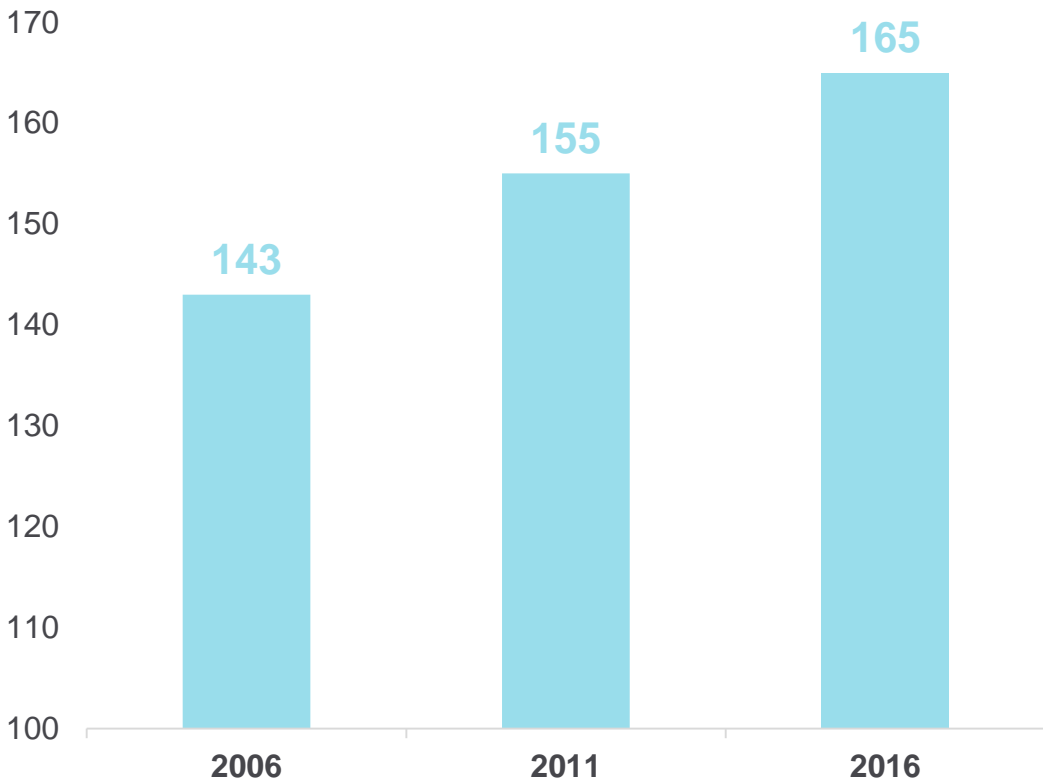


# Trend towards densification, especially for Low Cost Carriers

All Airlines average single-aisle aircraft capacity per flight



LCCs average single-aisle aircraft capacity per flight



Note: Aircraft capacity above 100 seats and below 210 seats  
Source: OAG – September of each year, Airbus GMF

# A320 Family cabin enablers can raise A320 Family seat counts by up to 10%



Slim-line seats



Space-Flex  
New rear galley configuration



Smart-Lav  
New lavatory design



New doors rating  
Increased exit limit



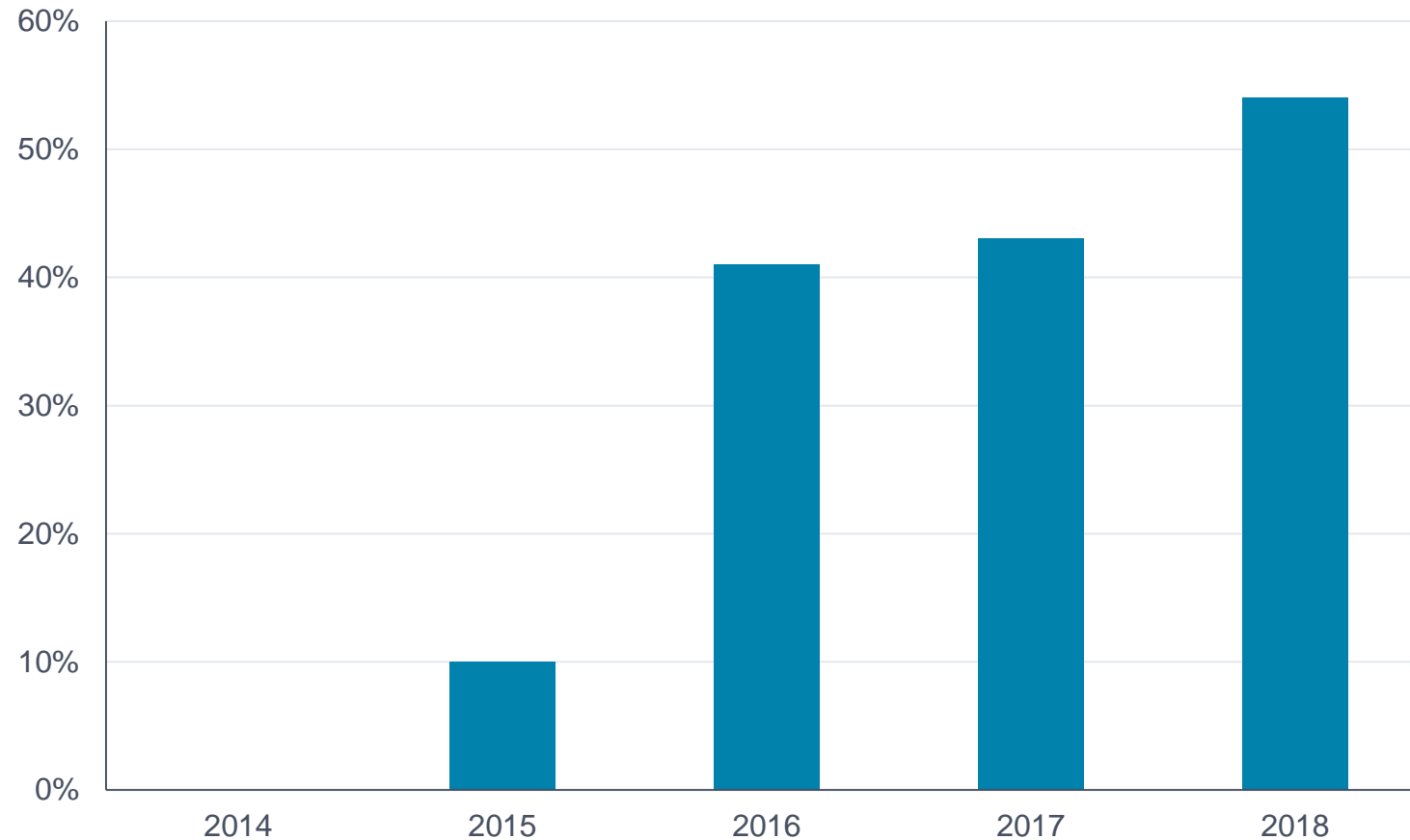
Airbus Cabin-Flex  
A321neo new door configuration

A319 156 → 160 seats

A320 180 → 189 seats

A321 220 → 240 seats

## A320 deliveries above 180 seats (% total deliveries)

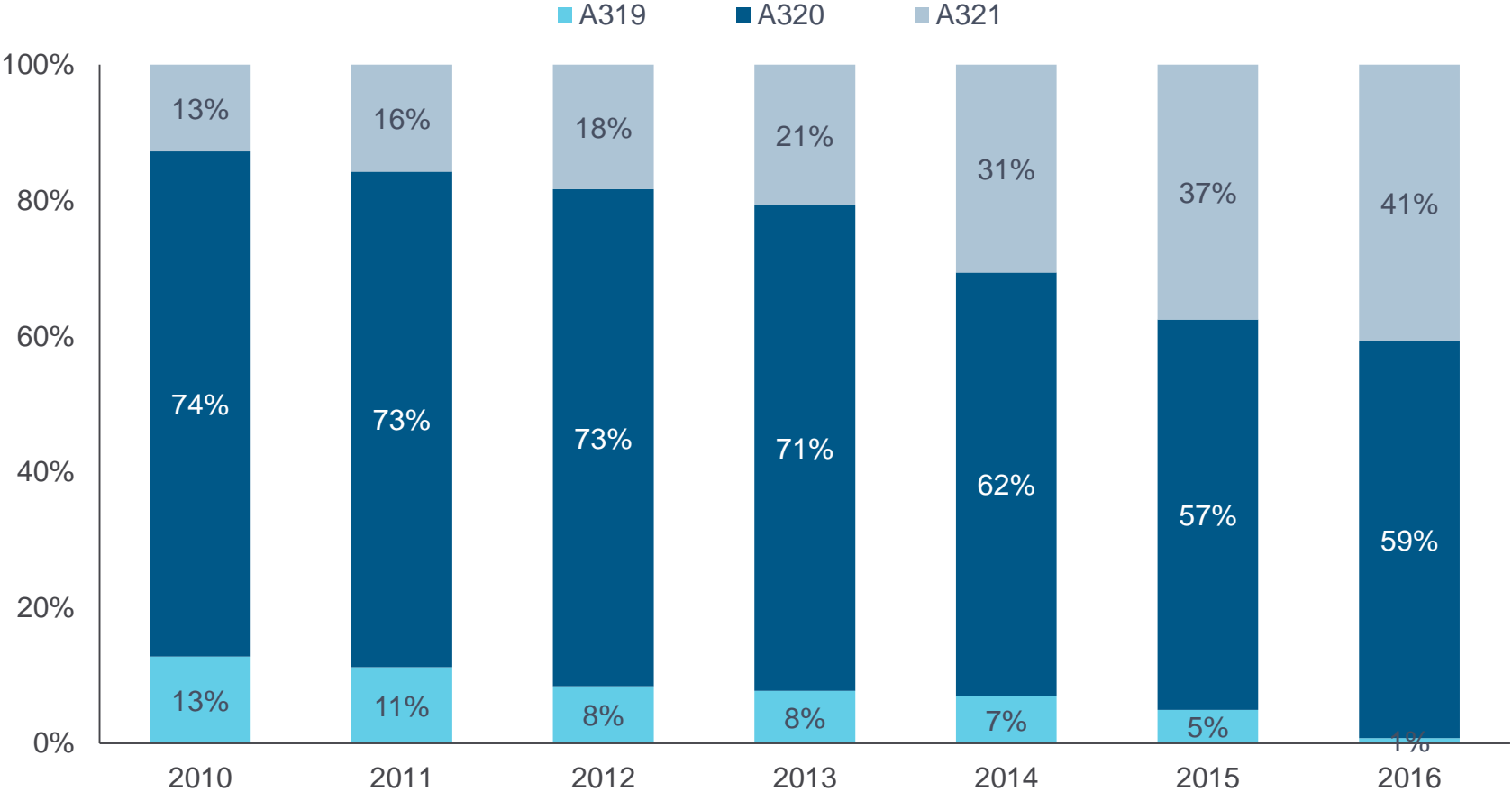


## Densification trend

**Airlines are choosing cabin enablers to increase seat count beyond 180 seats**

Source: Airbus

# A320 Family deliveries



## Upsizing

The single-aisle market continues to move towards **higher capacity aircraft**

Source: Airbus, End December 2016, includes NEO



## A321 – growing in popularity

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**65%** of net orders  
**41%** of deliveries

of Airbus single  
aisles in 2016 were  
**A321s**

	Capacity	Range	Fuel per seat
A321neo vs. 737 MAX 10	+10 seats	+1,000nm	10% lower



## A321neo

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Up to 240 seats &  
4,000nm range  
with unbeatable  
fuel efficiency





# A330neo

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... beats the 787  
on comfort, fuel  
and economics  
at **\$20m** to **\$25m**  
lower capital cost



# 25%

## A350 XWB

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25% lower

- operating cost
- fuel burn
- CO<sub>2</sub> emissions

Compared to previous generation



# 10% of all Heathrow passengers

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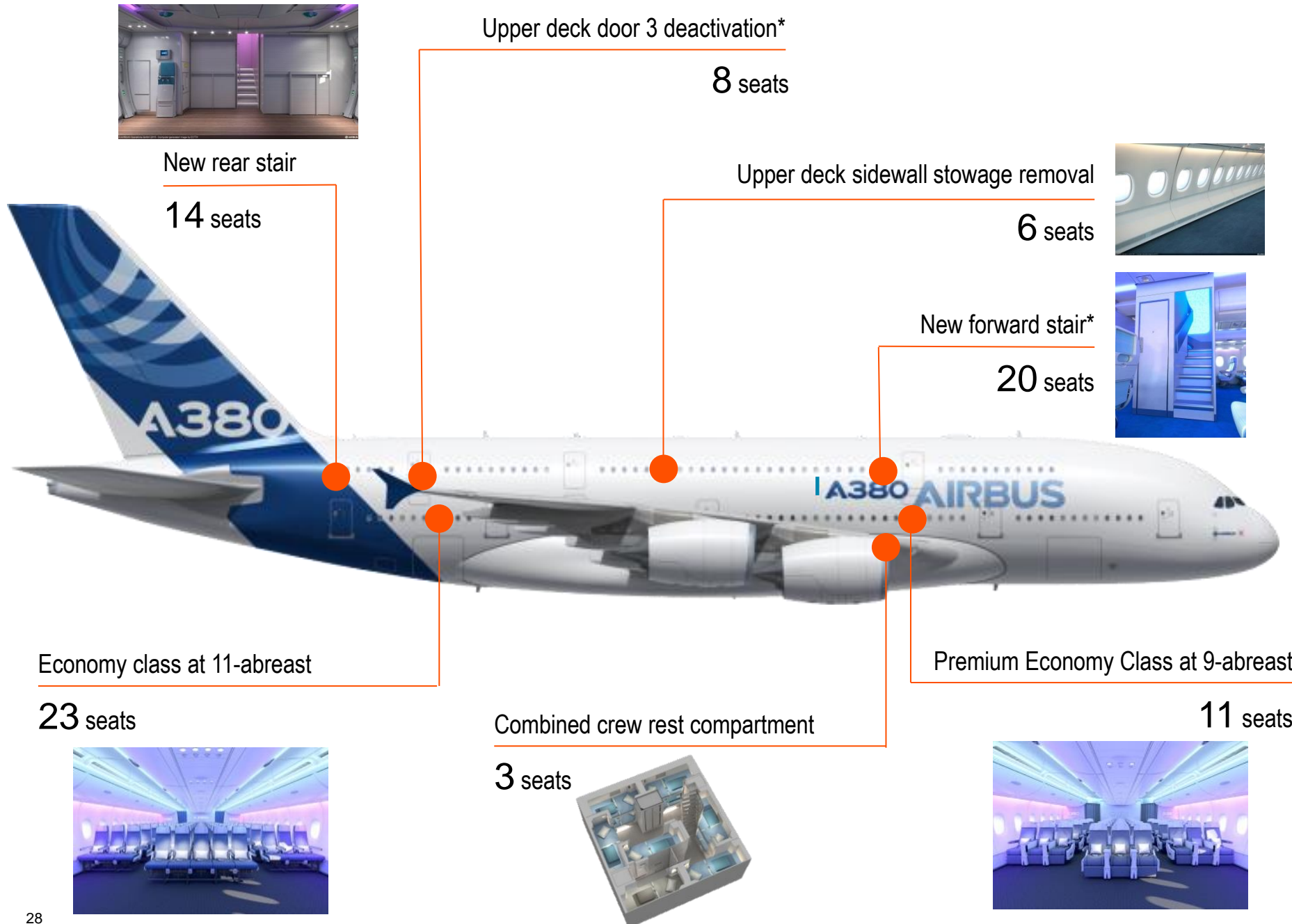
In 2016, 10% of all  
passengers at  
London Heathrow  
travelled on 54 daily  
A380 flights\*

\* Inbound and outbound

**AIRBUS**

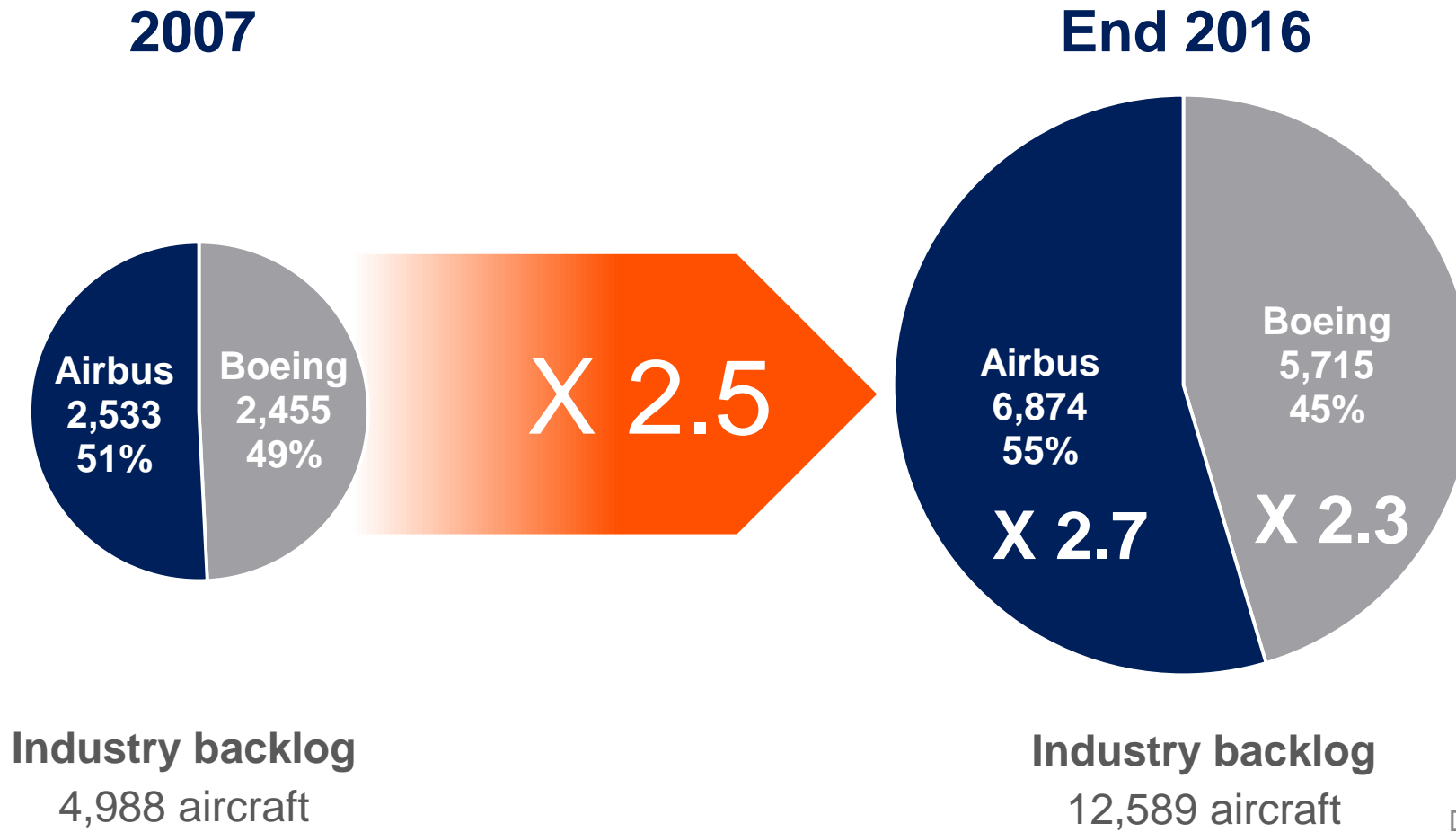
# A380 new revenue enablers

Over 80 additional  
seats with same  
comfort level  
as current  
deliveries

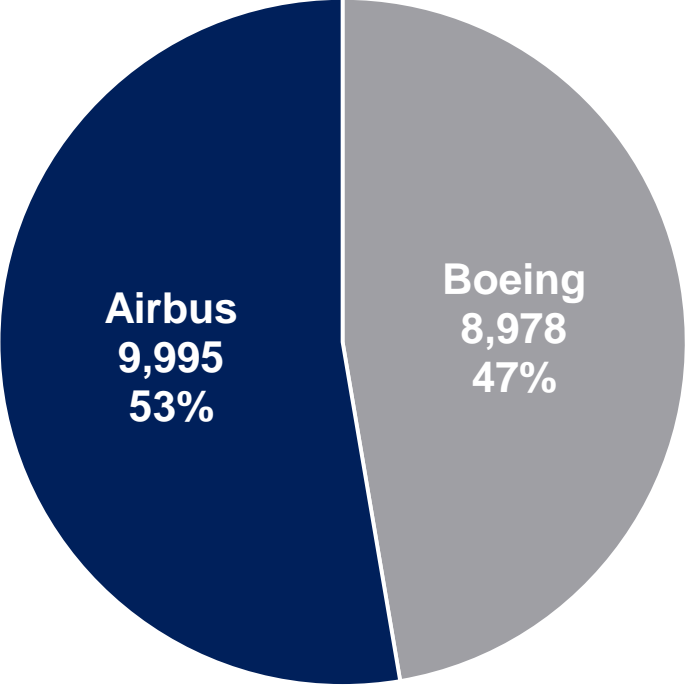


\* Project development study

# Backlog development 2007 - 2016



# Net market share last 10 years



Data to end December 2016

# Summary



## Drivers

**Strong & resilient** passenger traffic growth

As air transport develops, **new drivers** become more significant

**Middle-class** to almost **double** by 2036

# Summary



## Traffic forecast

Air traffic (RPK) **doubles every 15 years**

Airbus traffic (RPK) forecast to grow **4.4% p.a.**



# Summary



## Fleet forecast

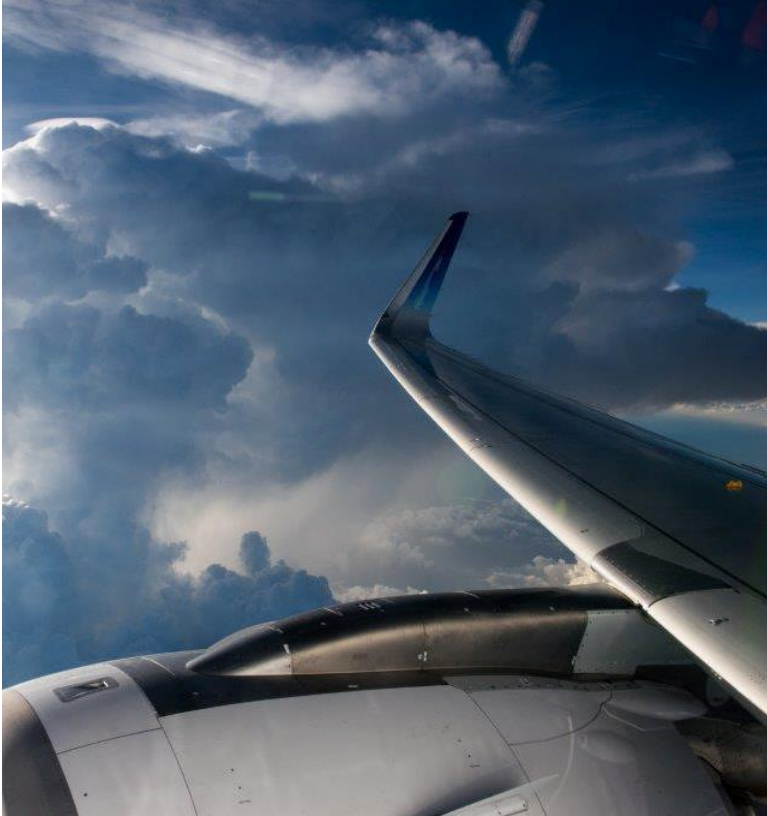
**34,900** new deliveries by 2036:

~**34,170** passenger aircraft  
**730** freighters

**40%** of new deliveries for **replacement**,  
**60%** for **growth**

**Single-aisle: 71% of units**  
**Wide-bodies: 54% of value**

# Summary



## Airbus Family

**A321** an ideal entry-point into **medium to long-haul markets**

**A330neo & A350XWB:**  
the **lowest total cost widebody family** with superior comfort levels

**A380: The solution for future traffic growth**