





# Airline Current Business Environment Alex Heiter

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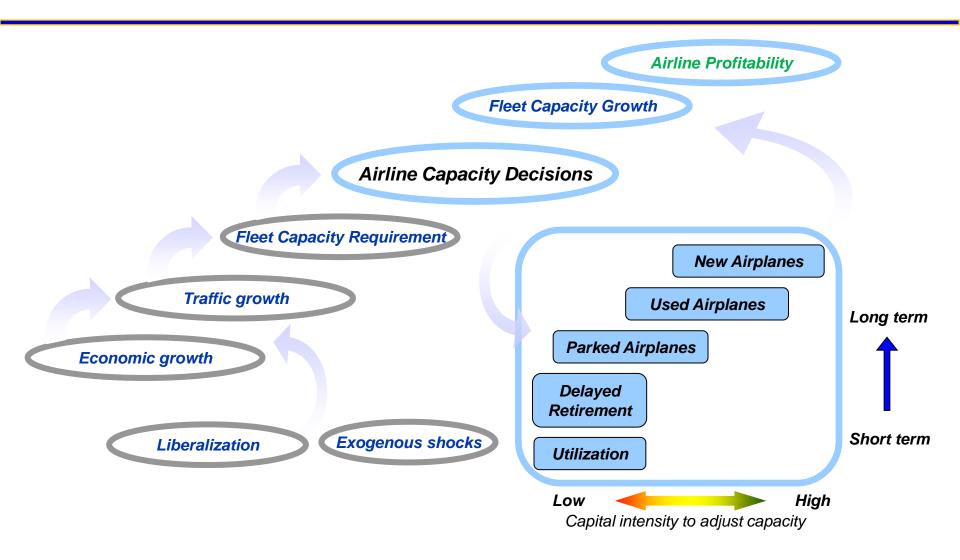
Air Transportation Management

M.Sc. Program

Network, Fleet and Schedule
Strategic Planning

**Module 2: 30 March 2015** 

# The underlying dynamics of our industry



# World Business Environment Key Developments

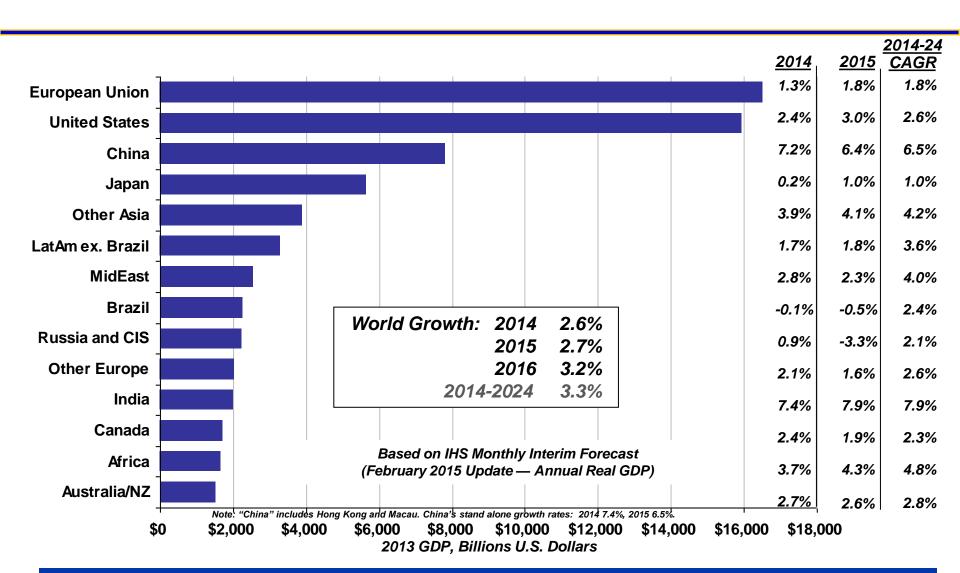
Indicator	Key Metrics	2014	2015	2016	Updates
Economic environment	■GDP ■Trade volumes ■Oil prices ■Exchange rates ■Financial markets	١			<ul> <li>Economic growth accelerating into 2015</li> <li>Brent oil price trading ~\$60/bbl, mid-term outlook for price recovery</li> <li>Heightened geopolitical tensions</li> </ul>
Passenger demand	■Traffic volumes ■Yields				<ul> <li>Traffic +6.1% YoY in December, 5.9% for full year 2014</li> <li>At/above long-term average 2015+</li> <li>Significant variation between regions, business models</li> </ul>
Passenger Capacity	<ul><li>Airline schedules</li><li>Parked fleet</li><li>Utilization rates</li><li>Load factors</li></ul>				<ul> <li>Global capacity growth stable at ~6%, regional variation</li> <li>Load factors, utilization near/at record highs</li> <li>Parked fleet showing typical seasonal trends</li> </ul>
Air cargo demand	■Traffic volumes ■Yields				<ul> <li>Traffic +4.9% YoY in December, IATA: 4.5% growth for 2014</li> <li>Demand growth returning to long-term average 2015+</li> <li>Significant variation between regions, business models</li> </ul>
Air cargo capacity	■Parked fleet ■Utilization rates ■Load factors				<ul> <li>Load factors, large freighter utilization recovering</li> <li>Parked current-generation airplanes, but initial returns to service</li> </ul>
Airline financials	■Industry profitability ■Airline performance ■Airplane financing				<ul> <li>Airlines managing uncertainty, volatile fuel prices</li> <li>Airline industry net margins: 2.7% in 2014, 3.2+% in 2015</li> </ul>



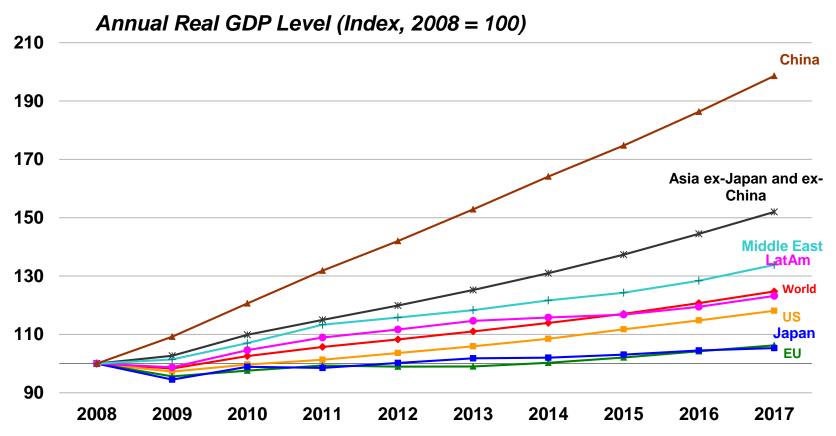




## World Economic Outlook



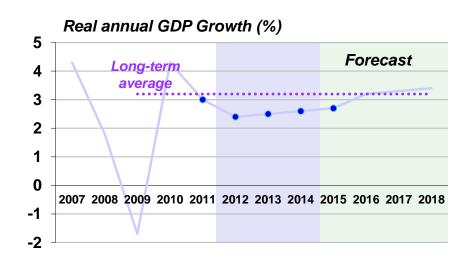
## World GDP Level Index



Source: IHS (February 2015 Interim Forecast, world = real GDP growth)

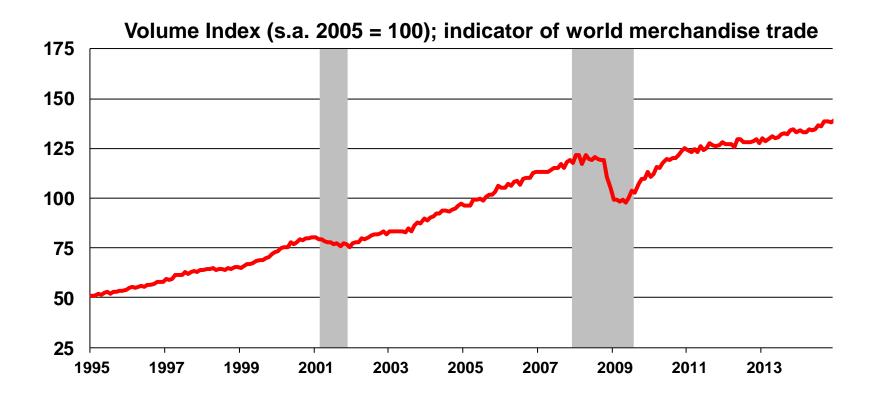
## World Economic Outlook

- Economic growth below trend since 2011
- Accelerating growth and return to trend in 2016 behind strong US economy
- Trade growth improving, cargo showing signs of improvement



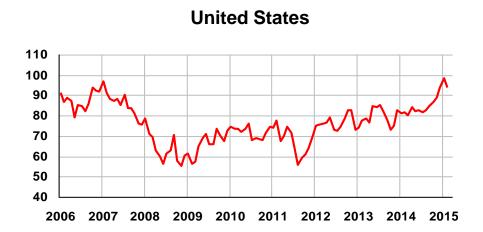
Source: IHS (February 2015 Interim Forecast)

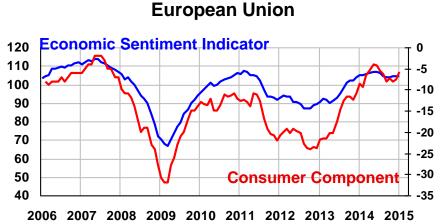
## World Trade

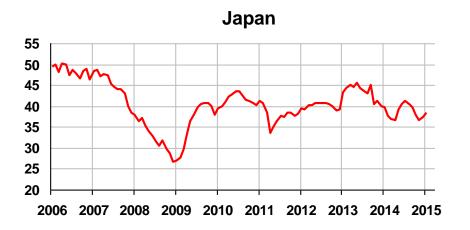


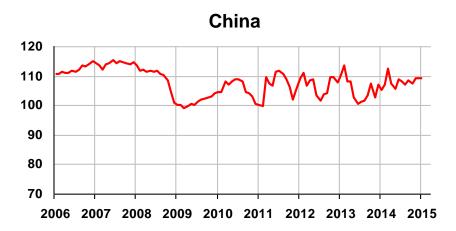
Source: Netherlands Bureau for Economic Policy Analysis (http://www.cpb.ni/eng/research/sector2/data/trademonitor.html)

### **Consumer Confidence**



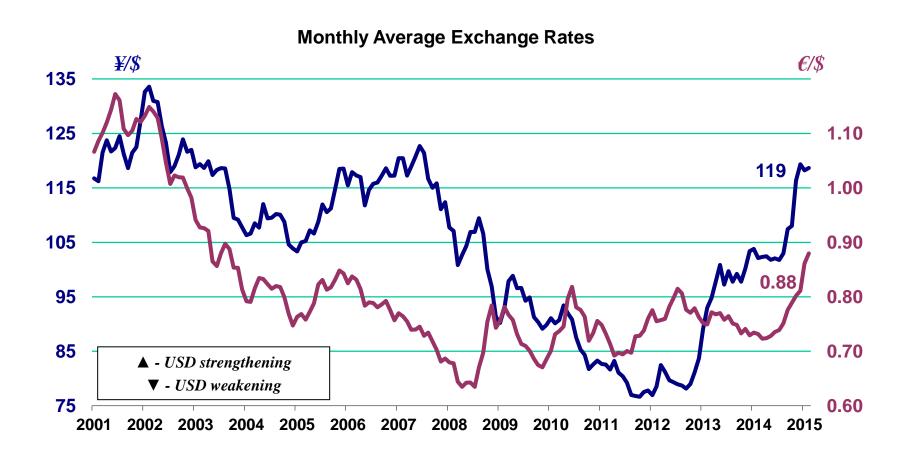






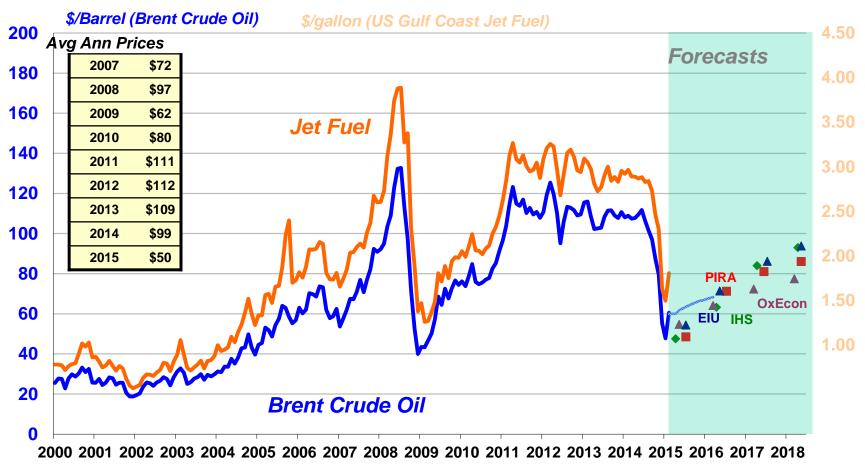
Consumer confidence around decade-high in US, improving in EU

## **Exchange Rates**



Source: Pacific Exchange Rate Service; Last data point: February 2015

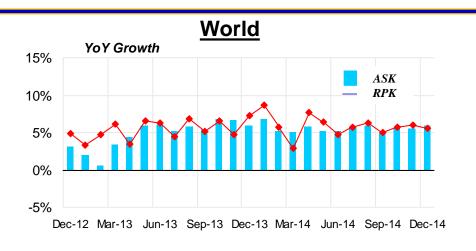
## Oil and jet fuel prices

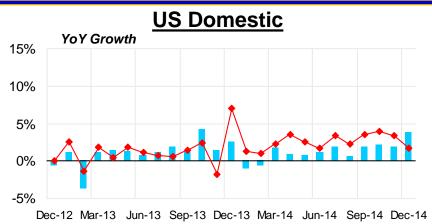


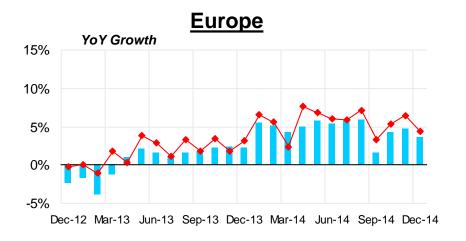
Oil price forecasts are nominal annual average prices for 2015-18 Historical data source: EIA

Oil prices down 50+% since June, mid-term price outlooks \$80+/bbl

## World Passenger Traffic and Capacity







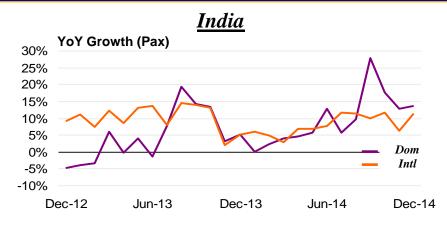


Source: ATA, AEA, AAPA, IATA, ALTA, CAAC, airline reports, Boeing market analysis

Traffic growth continues to be above long-term 5% growth rate

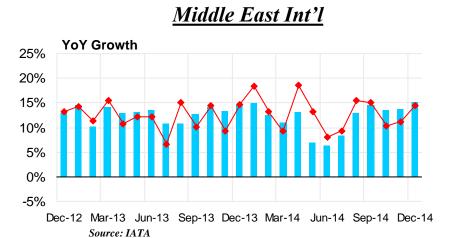
## **Emerging Market Traffic and Capacity**





Source: Airports Authority of India

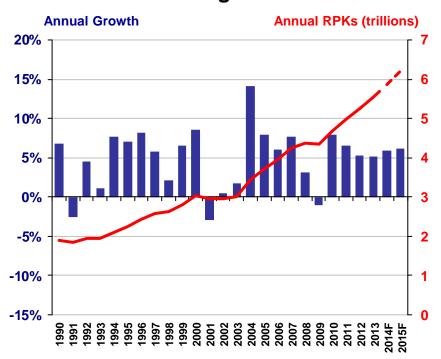




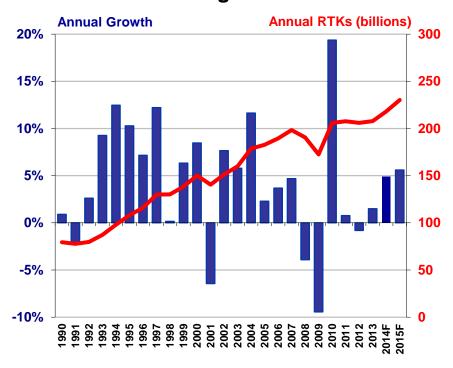
Significant variation between regions, emerging markets leading

# Near-term Traffic Outlook Passenger and Cargo

#### Passenger traffic

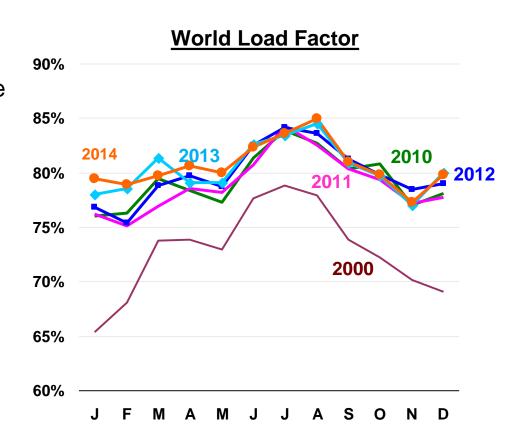


#### Air cargo traffic



## Passenger Capacity

- Airlines adjusting capacity in response to demand, route profitability
- Load factors are at or near record highs throughout the year; March should just be an anomaly due to Easter timing
- Parked fleet typical seasonal trends
- Utilization near peaks, single aisle more seasonal

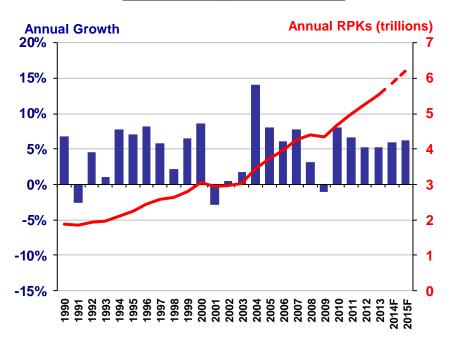


Global passenger capacity growing broadly in balance with traffic

## Passenger demand

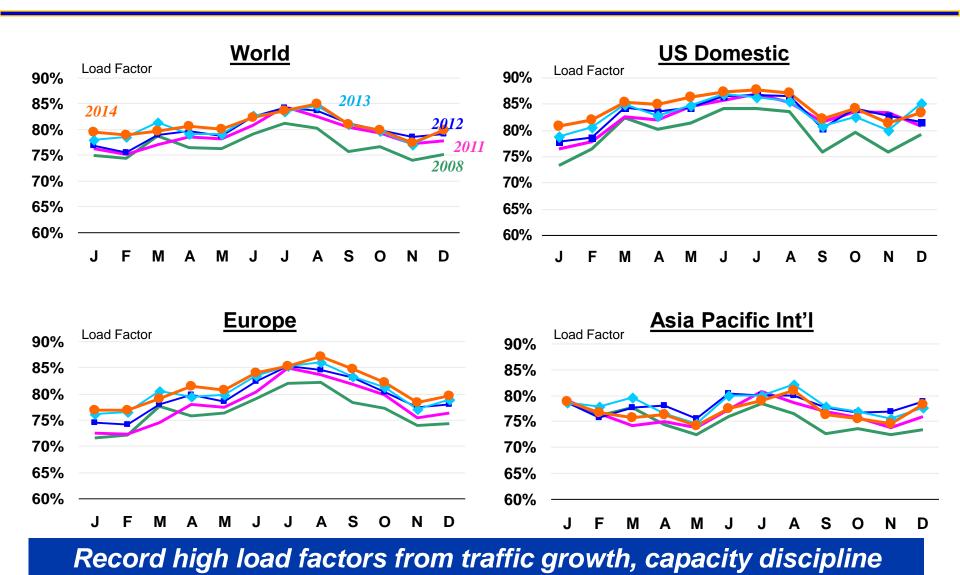
- Emerging markets GDP, middle class growth
- New airline business models
- Demographics support leisure travel
- Air travel relative affordability
- Business travel revenue focus, travel intensive sectors outperforming

## Passenger Traffic



Source: ICAO, BCA

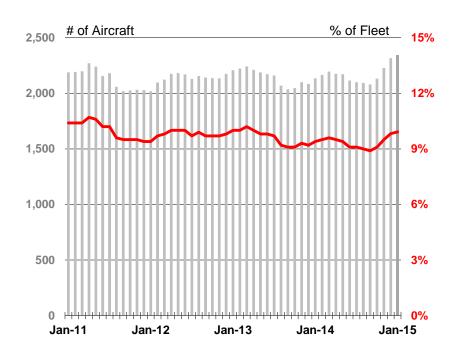
## Passenger Load Factors

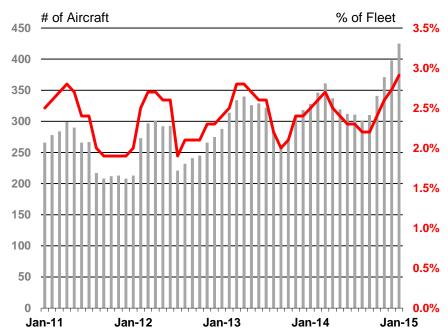


# Commercial parked fleet trends January 2015

#### **Total Parked Fleet**

#### **In-Production Parked Fleet**





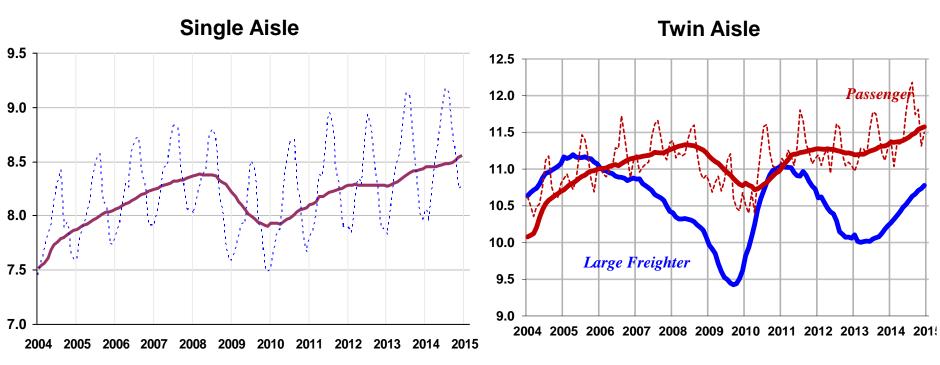
AC Types Included: All Western-built Jets > 90 seats

AC Types Included: 737NG, 747-8, 767, 777, 787, A320, A330, A380

9.9% of total fleet parked and 2.9% of in-production fleet parked

## Airplane Utilization Trends

#### Flight Hours Per Day (12-month moving average)



Source: BCA RM&T Fleet Reliability Statistics (subject to reporting revisions)

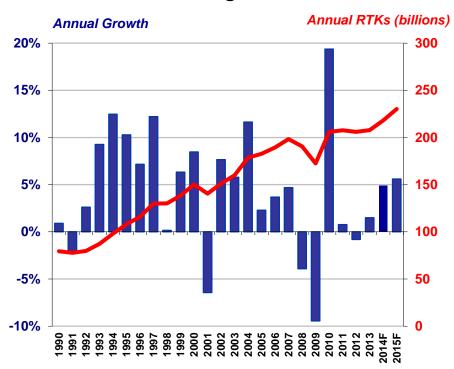
Large Freighters include 777Fs and 747 Fs (all models)

## Passenger at record levels, large freighters continue to rebound

## Air cargo demand

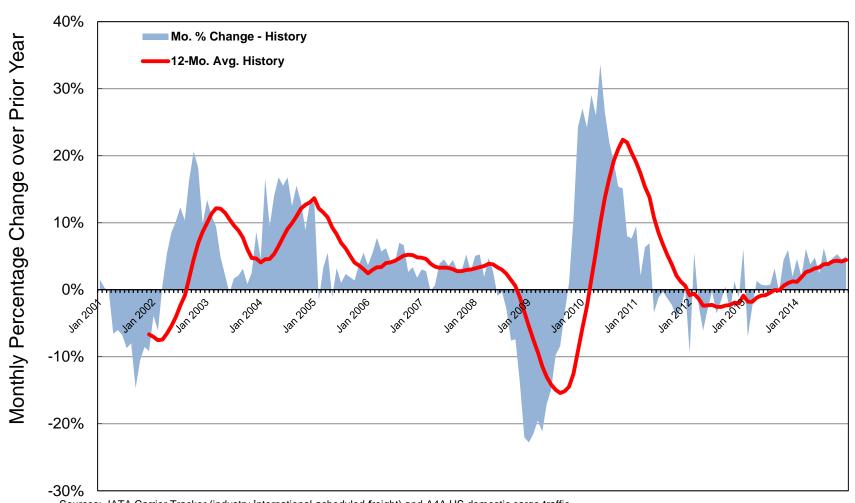
- No volume growth 1Q11 through 1Q13
  - Shocks, slow economic growth
  - Weak consumer markets Europe, US
  - High fuel prices
  - Containership competition
- Growth resumed in 2Q2013
- 4.5% YTD growth in 2014 through
   December according to IATA & A4A

#### Air cargo traffic



Near-term cargo market challenges, long-term growth market

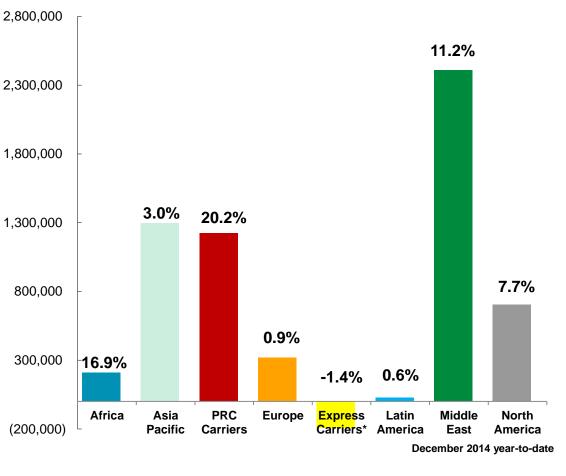
# World air cargo traffic recovering since 2Q2013



Sources: IATA Carrier Tracker (industry international scheduled freight) and A4A US domestic cargo traffic.

# The strength of the air cargo recovery varies by region of airline domicile and/or business model

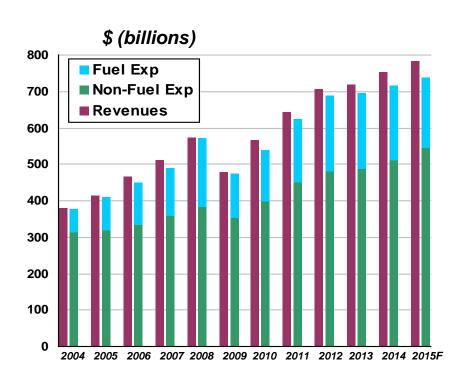
- World air cargo grew 0.9% in 2013
- Air cargo traffic up 4.5% YTD through December 2014 per IATA and A4A statistics.
- Growth was likely 5% or better in 2014; complete statistics will be available in the coming months.
- Express carriers (FDX, UPS only) volumes down slightly, possibly due to competition with DHL
- Middle East, PRC, and European carriers adding capacity to capture emerging opportunities

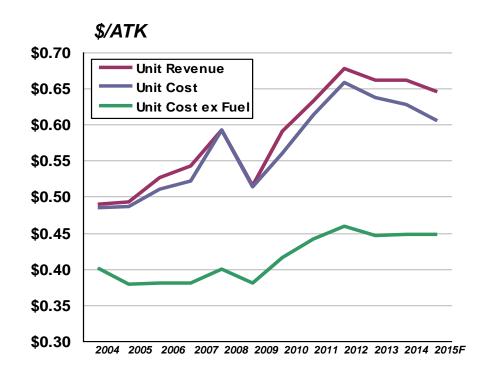


Sources: IATA Carrier Tracker (Industry international scheduled freight), A4A US domestic cargo traffic, and Boeing analysis

<sup>\*</sup> Fedex and UPS freighter flown statistics only per A4A

## Airline revenues and costs

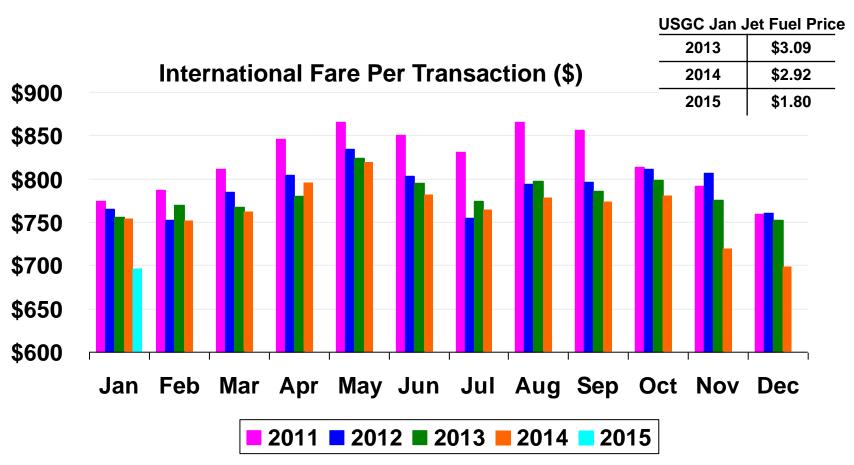




Source: IATA, December 2014 Financial Forecast & BCA Market Analysis

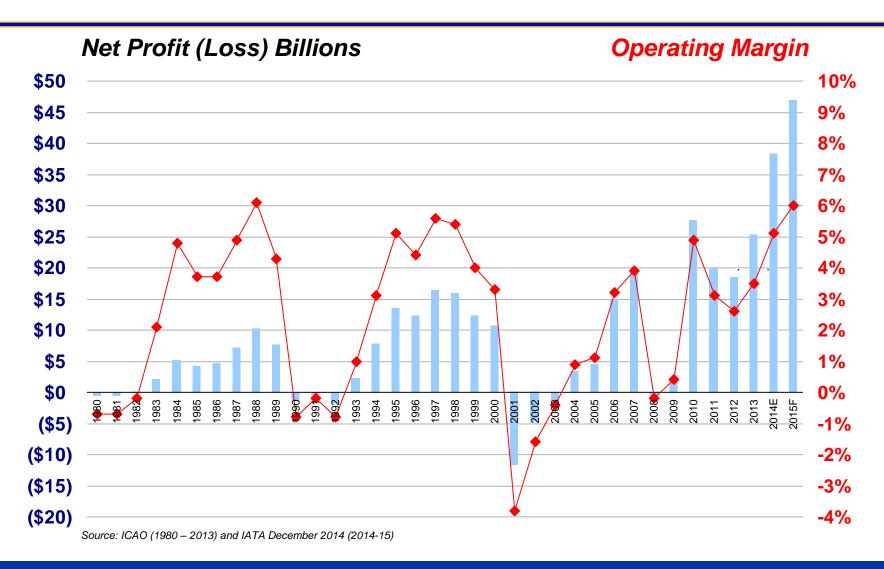
Improving financial outlook – rising economic outlook, lower fuel prices

## International Fare Development

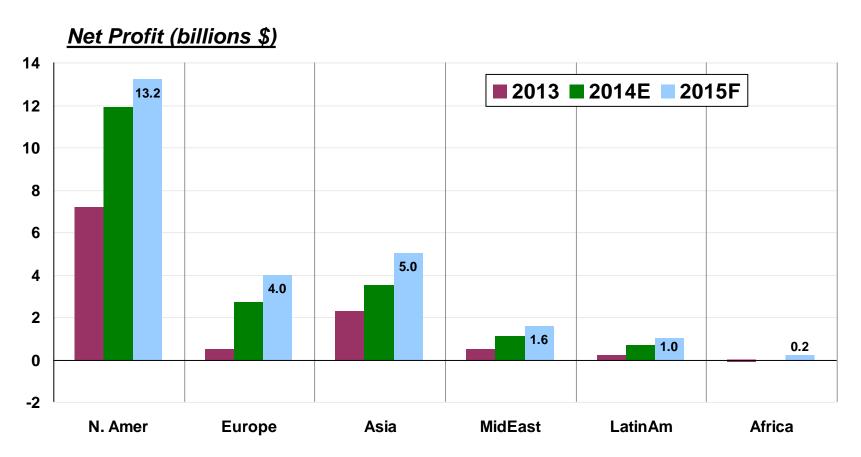


Data source: ARC Settlements and Operations statistics http://www.arccorp.com/news/sales-document-statistics-archive.jsp

## Airline industry operating profitability

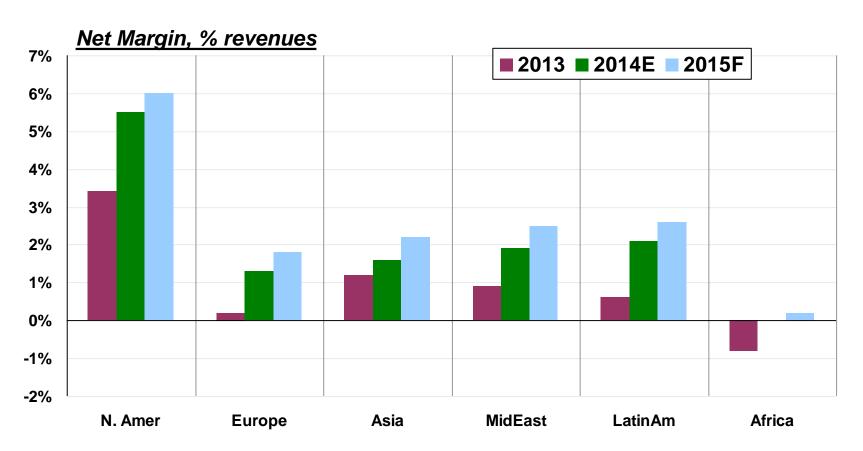


# Regional profitability outlook



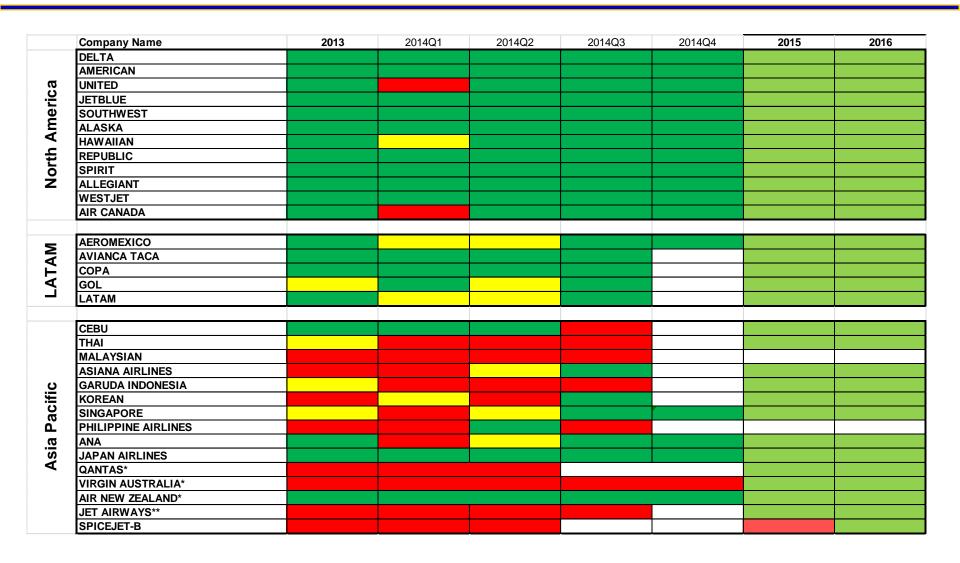
Source: IATA, December 2014

## Regional margin performance

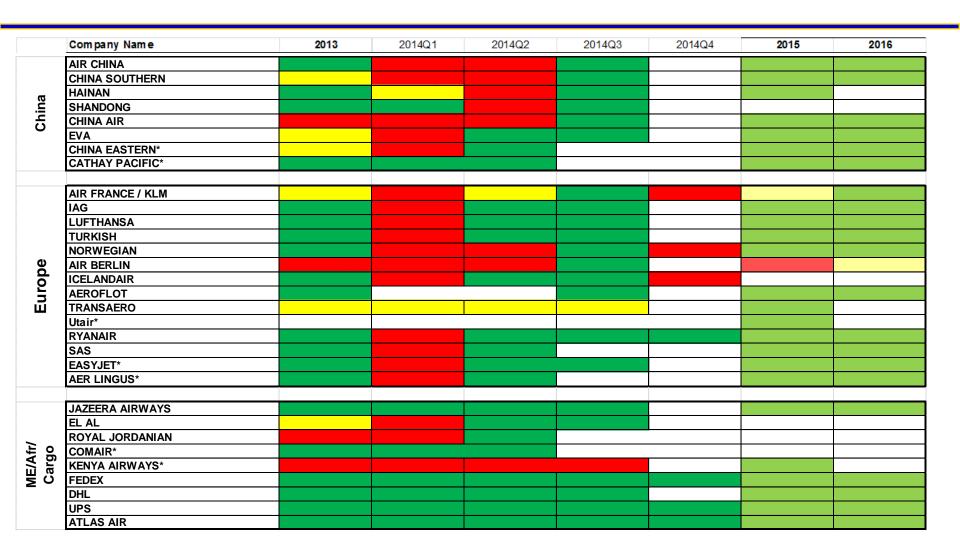


Source: IATA, December 2014

## **Airline Operating Profitability**



## **Airline Operating Profitability**



## Business Environment – Summary

- Baseline outlook for improving global economic 2015+
- High oil price volatility returns, price outlook for recovery into midterm
- Global passenger traffic growing at/above long-term average rate;
   emerging markets leading
- Airlines adding capacity in response to traffic growth; adjusting networks with focus on profitability
- Air cargo traffic recovering, market capacity metrics improving
- Airline profit outlook rising, North American airlines leading
- Airlines restructuring networks, fleets, partnerships, and driving down controllable costs