

Aviation outlook and major trends

Simon Elsegood Head of Research

CAPA – Centre for Aviation



Recovery is nearly complete



Global seats are at 99% of pre-pandemic levels

Global scheduled airline seats

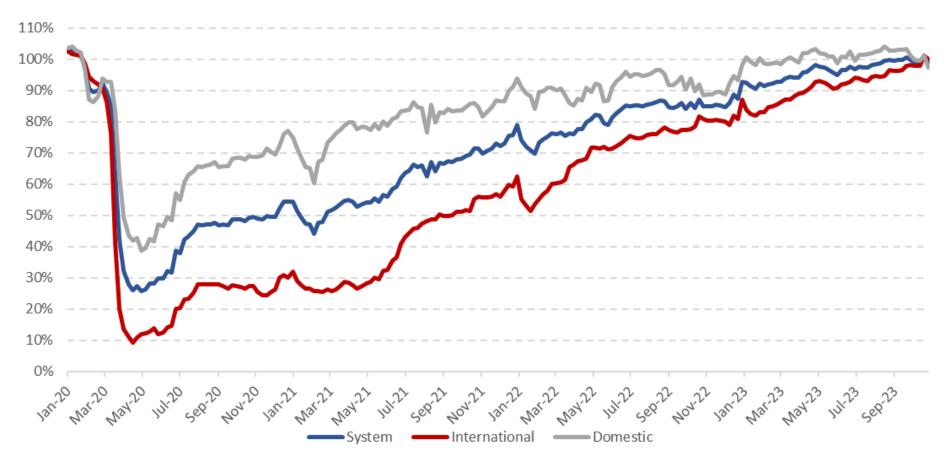


Recovery is nearly complete



- Global seats are at 99% of pre-pandemic levels
- Return of domestic and international seats has now equalised

Global domestic and international seats



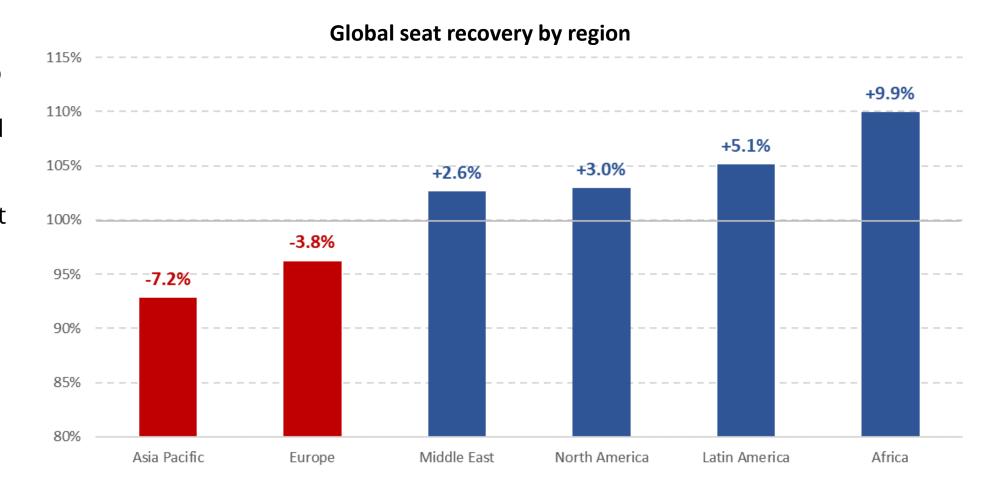
Source: CAPA - Centre for Aviation & OAG



Recovery is nearly complete (but unevenly distributed)



- Global seats are at 99% of pre-pandemic levels
- Return of domestic and international seats has now equalized
- This masks the fact that the recovery is still not evenly distributed



Source: CAPA - Centre for Aviation & OAG

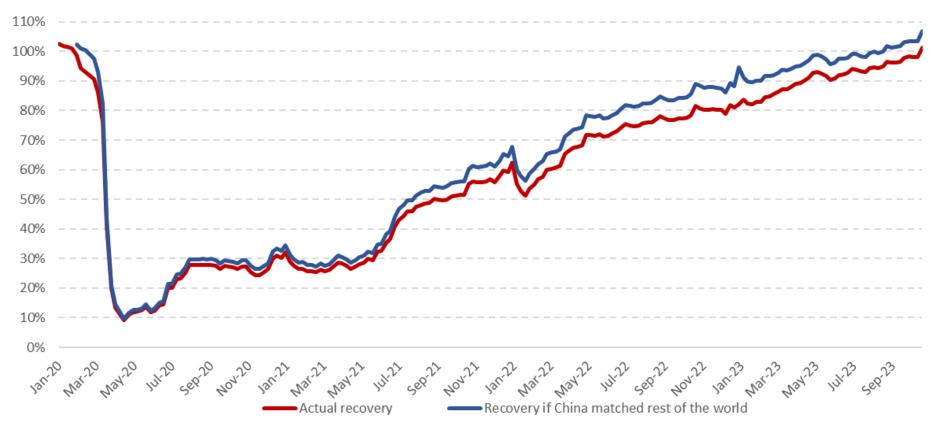
Recovery is nearly complete (but unevenly distributed)



Global seats are at 99% of pre-pandemic levels

- Return of domestic and international seats has now equalised
- This masks the fact that the recovery is still not evenly distributed
- International travel to/from China remains the major outlier

Global international seat recovery



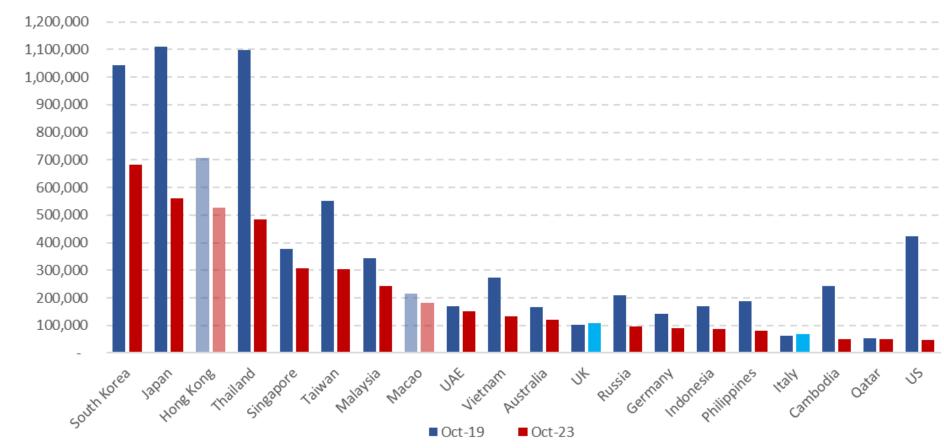
Recovery is nearly complete (but unevenly distributed)



Global seats are at 99% of pre-pandemic levels

- Return of domestic and international seats has now equalized
- This masks the fact that the recovery is still not evenly distributed
- International travel to/from China remains the major outlier
- Rebuild of Chinese capacity to some markets is still uncertain

Top 20 Chinese international markets



Source: CAPA - Centre for Aviation & OAG

Positive global outlook for 2024 despite slowing growth



Global capacity at ~110% of 2019 by the end of 1Q2024

- Global travel overall now expected to pass prepandemic levels in 2024
- Demand outlook is diverging between domestic and international markets
- Uncertainty and downside risks are increasingly prevalent

Global capacity outlook



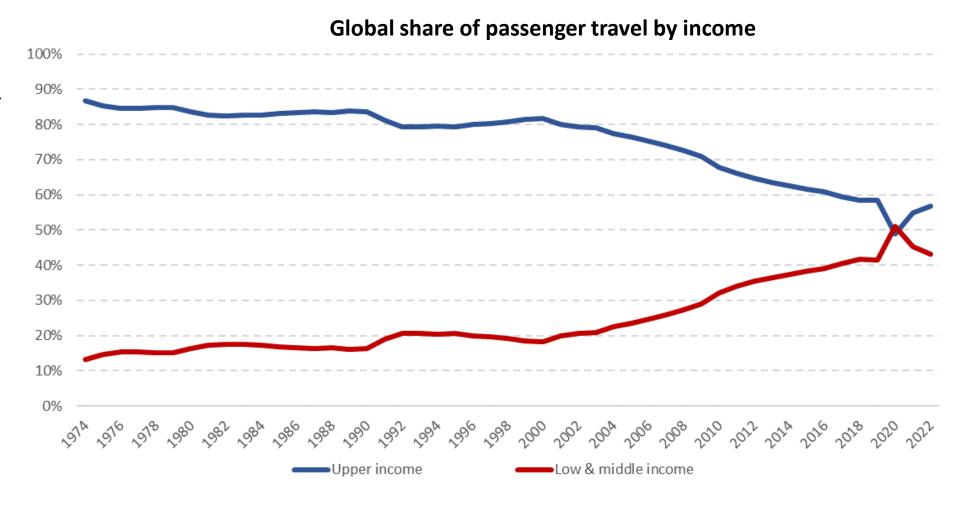


Aviation mega trends





 The share of global air travel in low- and middleincome nations has doubled in the last 20 years

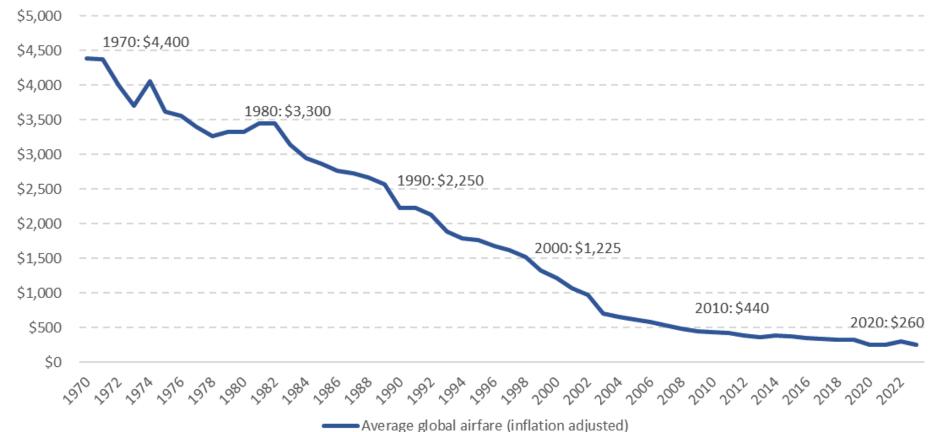




The share of global air travel in low- and middle-income nations has doubled in the last 20 years

 The major elements of this are population growth and the improved affordability of air travel

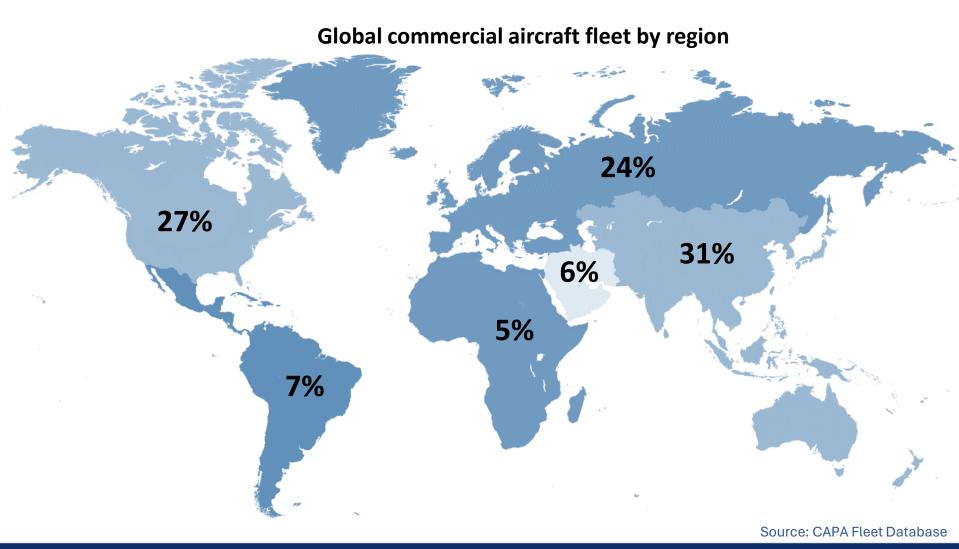




Source: CAPA - Centre for Aviation, IATA, ICAO

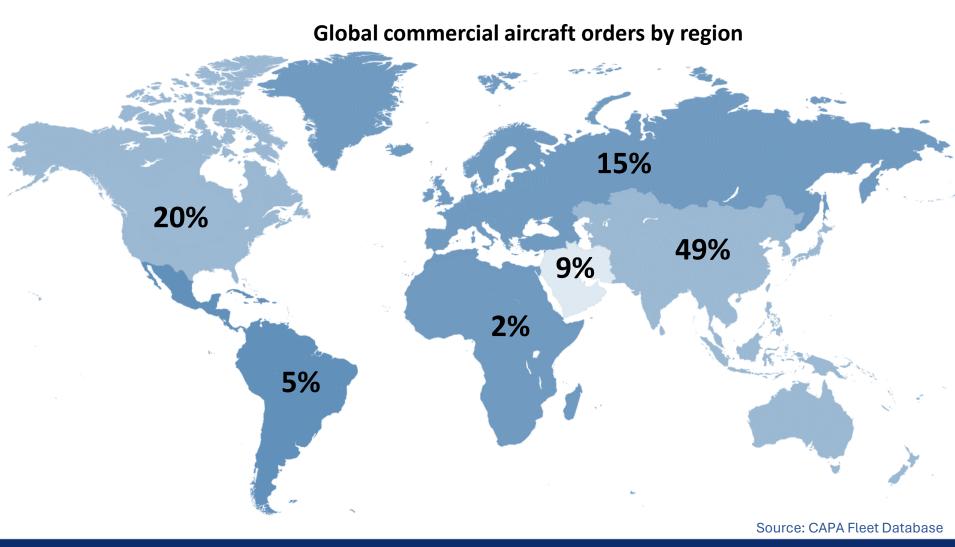


- The share of global air travel in low- and middleincome nations has doubled in the last 20 years
- The major elements of this are population growth and the improved affordability of air travel
- Demographics (and fleet orders) are destiny





- The share of global air travel in low- and middleincome nations has doubled in the last 20 years
- The major elements of this are population growth and the improved affordability of air travel
- Demographics (and fleet orders) are destiny

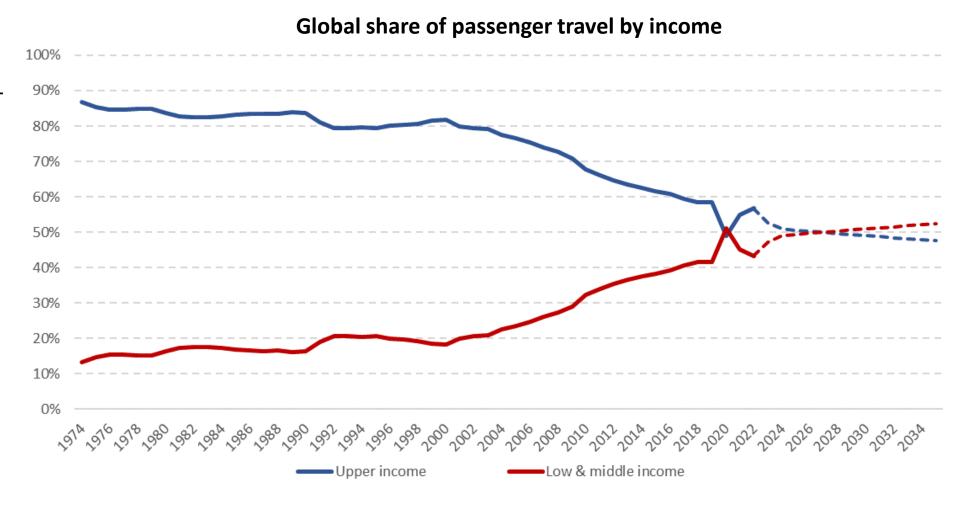


Shifting global centre of gravity



The share of global air travel in low- and middleincome nations has doubled in the last 20 years

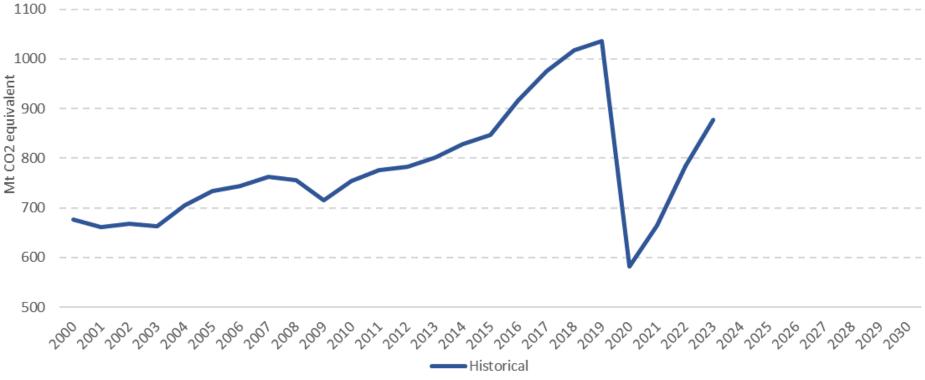
- The major elements of this is population growth and the improved affordability of air travel
- Demographics (and fleet orders) are destiny
- Growth patterns will see wealthy nation's share of air travel fall below 50% in the next decade





Sustainability is having an impact on every part of the air travel business





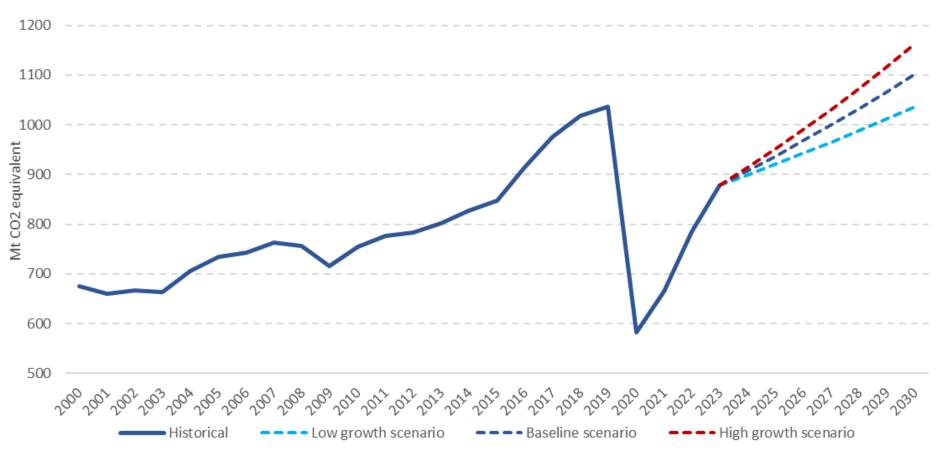
Source: CAPA - Centre for Aviation & ICAO





- Sustainability is having an impact on every part of the air travel business
- Even in optimistic scenarios, aviation emissions will continue to grow beyond 2030





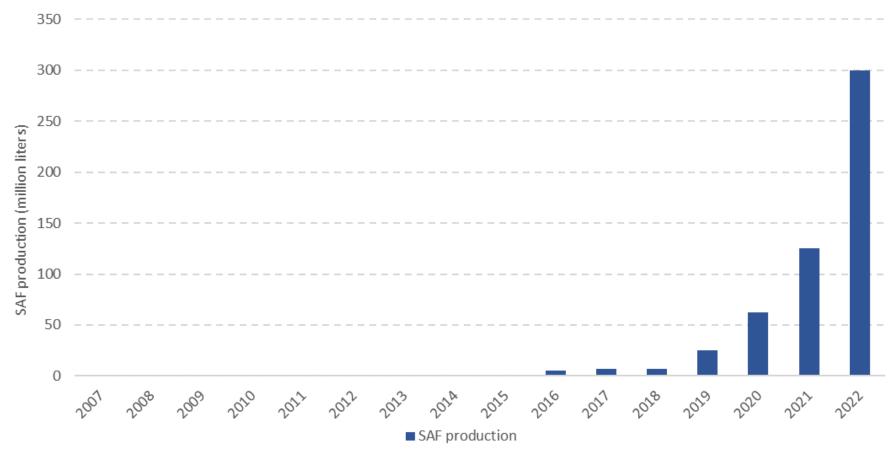
Source: CAPA - Centre for Aviation & ICAO



Sustainability is having an impact on every part of the air travel business

- Even in optimistic scenarios, aviation emissions will continue to grow beyond 2030
- Sustainable aviation fuel will account for up to two thirds of emissions reductions

Global SAF production per year



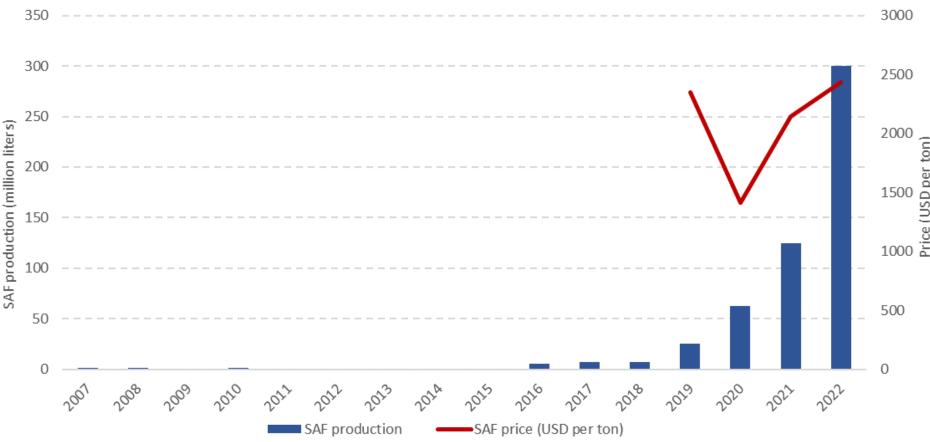
Source: CAPA - Centre for Aviation & ICAO



Sustainability is having an impact on every part of the air travel business

- Even in optimistic scenarios, aviation emissions will continue to grow beyond 2030
- Sustainable aviation fuel will account for up to two thirds of emissions reductions – but scale up is slow





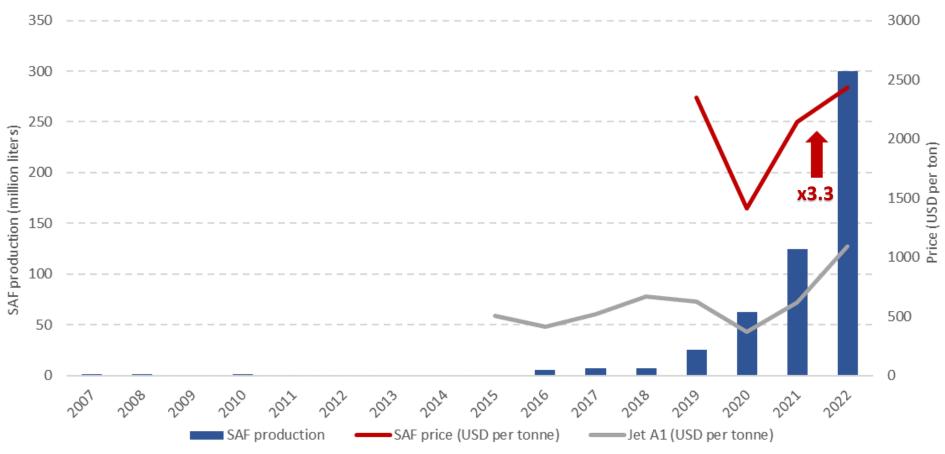
Source: CAPA - Centre for Aviation, ICAO & IATA



Sustainability is having an impact on every part of the air travel business

- Even in optimistic scenarios, aviation emissions will continue to grow beyond 2030
- Sustainable aviation fuel will account for up to two thirds of emissions reductions but scale up is slow and expensive

Global SAF production and price



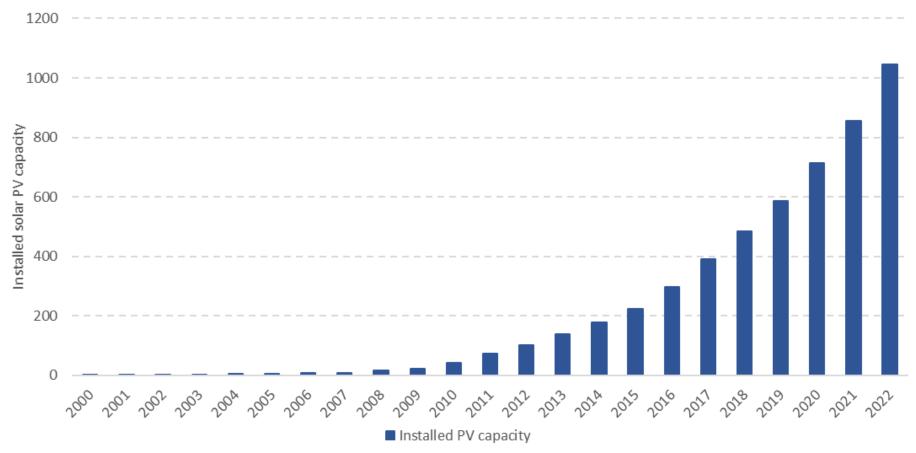
Source: CAPA - Centre for Aviation, ICAO & IATA



Sustainability is having an impact on every part of the air travel business

- Even in optimistic scenarios, aviation emissions will continue to grow beyond 2030
- Sustainable aviation fuel will account for up to two thirds of emissions reductions – but scale up is slow and expensive
- SAF prices will come down, but achieving net zero is going to increase the cost of flying

Global installed solar power capacity



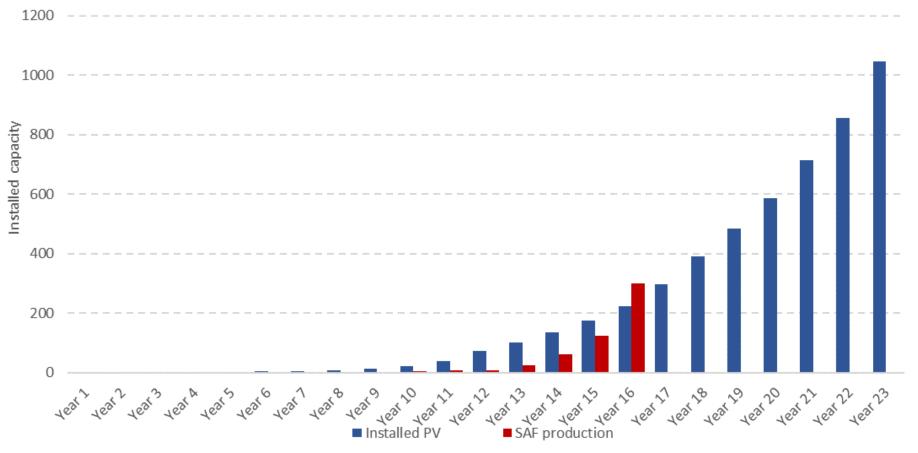
Source: International Energy Agency



Sustainability is having an impact on every part of the air travel business Even in optimistic scenarios, aviation emissions will continue to grow beyond 2030

- Sustainable aviation fuel will account for up to two thirds of emissions reductions – but scale up is slow and expensive
- SAF prices will come down, but achieving net zero is going to increase the cost of flying



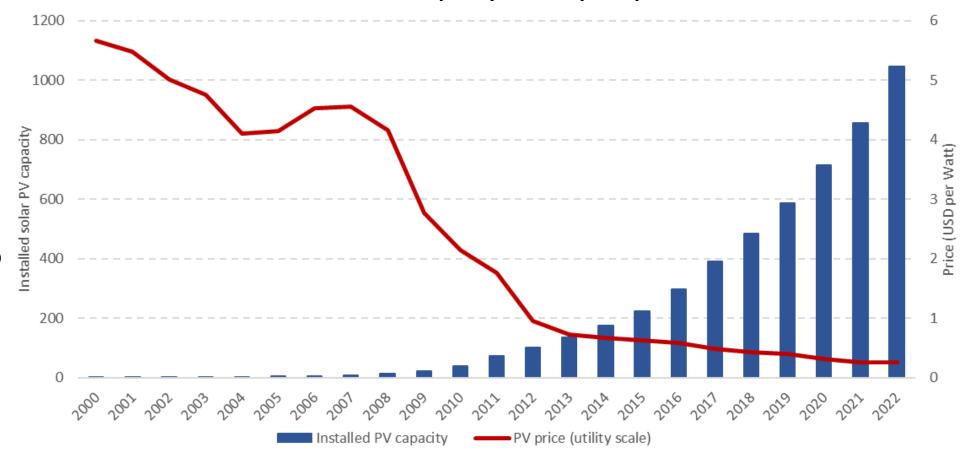




Sustainability is having an impact on every part of the air travel business Even in optimistic scenarios, aviation emissions will continue to grow beyond 2030

- Sustainable aviation fuel will account for up to two thirds of emissions reductions – but scale up is slow and expensive
- SAF prices will come down, but achieving net zero is going to increase the cost of flying

Installed PV capacity and PV price per Watt



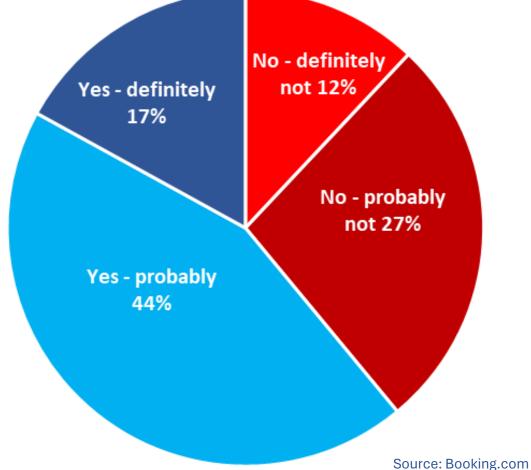
Source: International Energy Agency

Al is here – and it's already changing travel



- Large language models and generative AI have started making a noticeable impact on the consumer side
- A plurality of travellers now say they would trust Al to help plan or book a trip

Willingness to use AI in travel booking process



Al is here – and it's already changing travel



Large language models and generative AI have started making a noticeable impact on the consumer side

- A plurality of travellers now say they would trust Al to help plan or book a trip
- Acceptance varies by age group and by region
- Price and convenience are the main use cases – these are aviation's largest pain points

Traveller trust in AI by generation

