

# ICAO Aviation Green Recovery Seminar

TIME TO BUILD BACK BETTER





# Impacts and costs of climate change for aviation

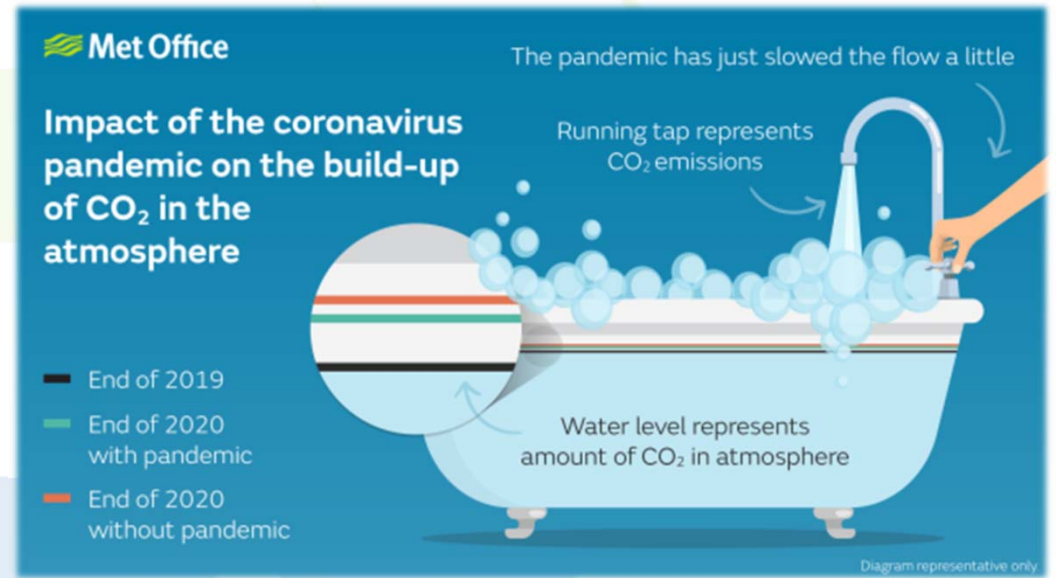
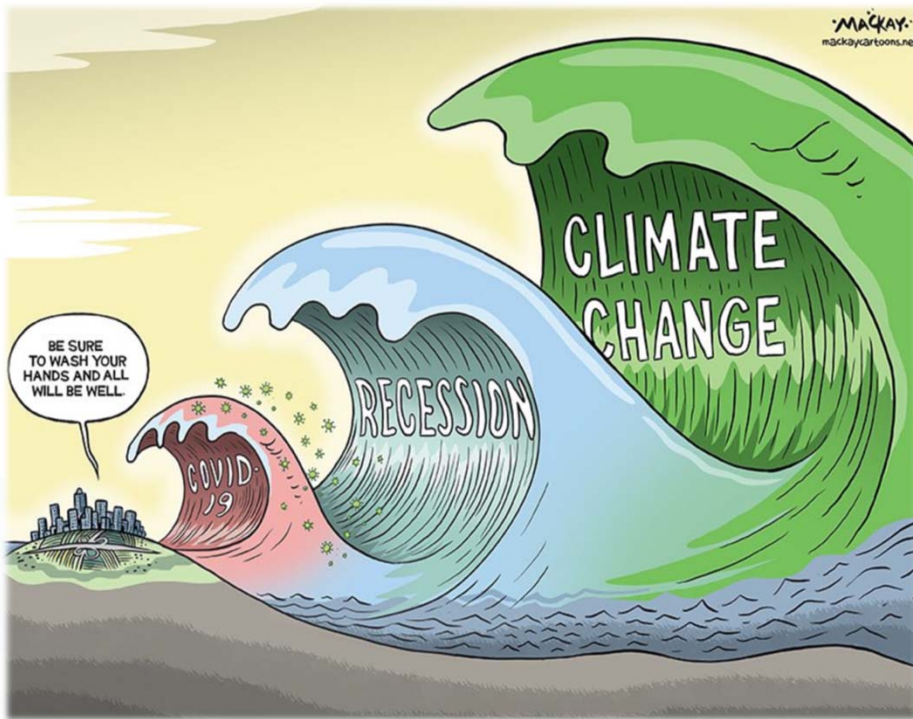
**Hélène Galy**

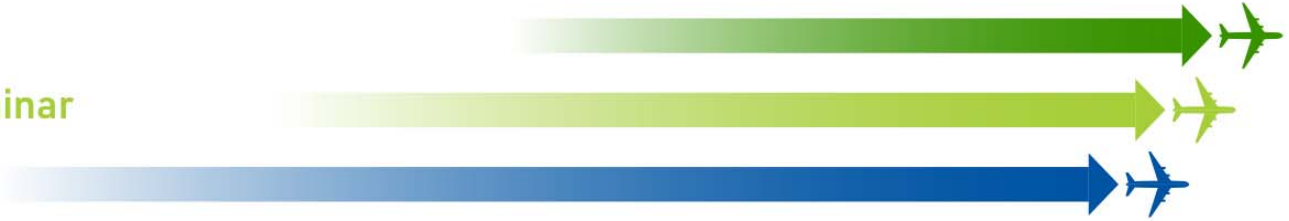
*Willis Research Network Director*

*Willis Towers Watson*



“Covid-19 is awful. Climate change could be worse” – Bill Gates





# Climate change impacts on the aviation ecosystem



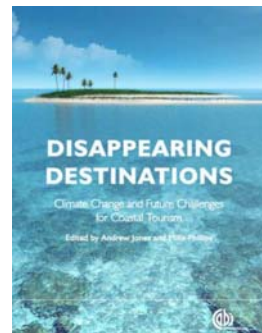
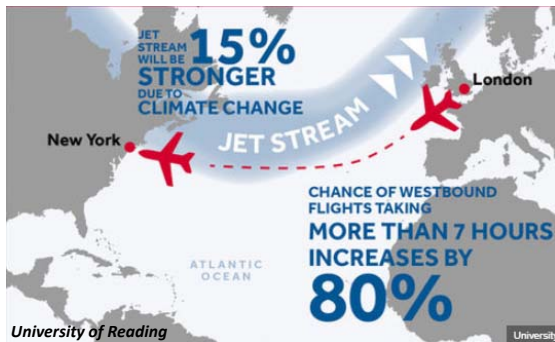
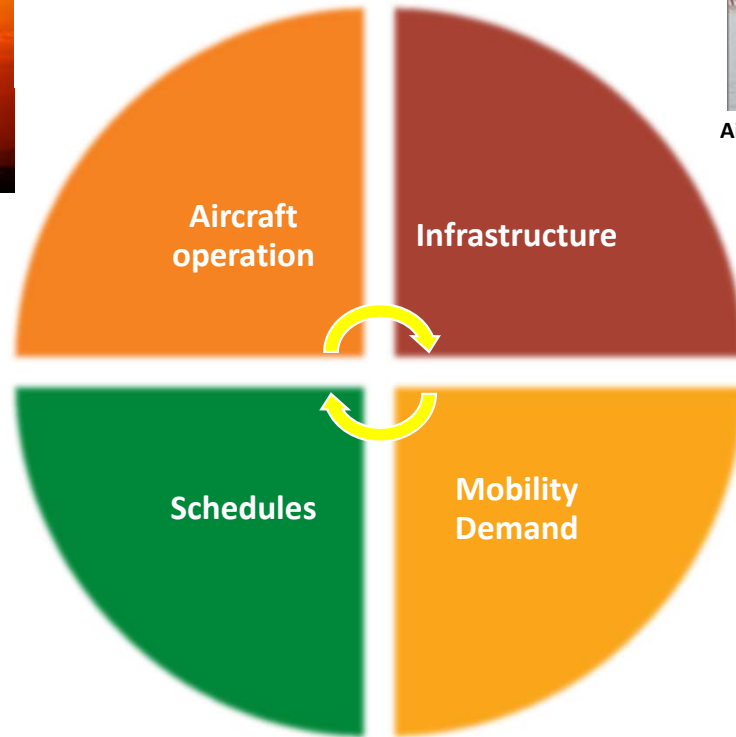
Extreme temperatures reduce lift

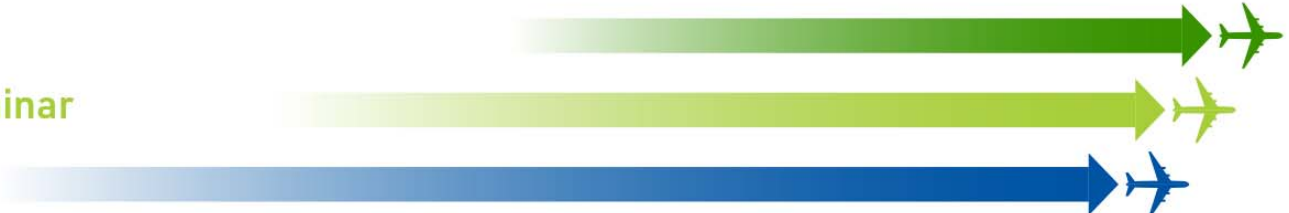


Airports flooding: storm surge, sea level rise and extreme rainfall



Extreme heat





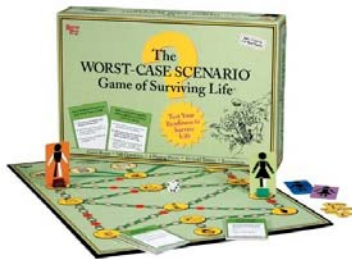
# From impacts to costs and opportunities

- Approaches

- Best practices and regulatory frameworks

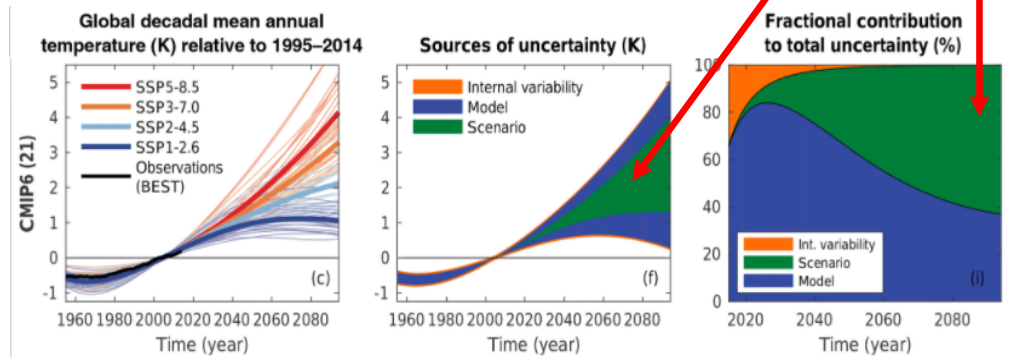


- Scenarios: stories and games



- Challenges

- Customised analysis
- Cascading and interconnected risks
- Uncertainty
- Tipping points



Ed Hawkins, 2013



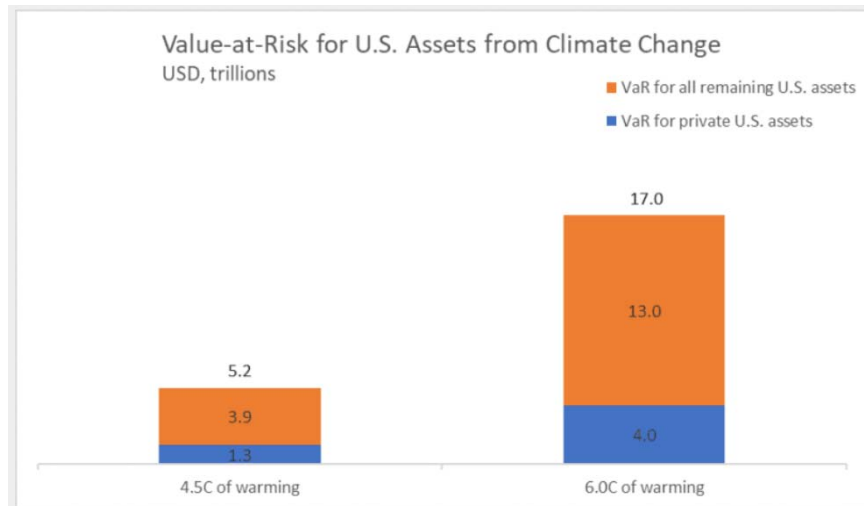
# Cost of inaction (or delayed action)



A report from The Economist Intelligence Unit.



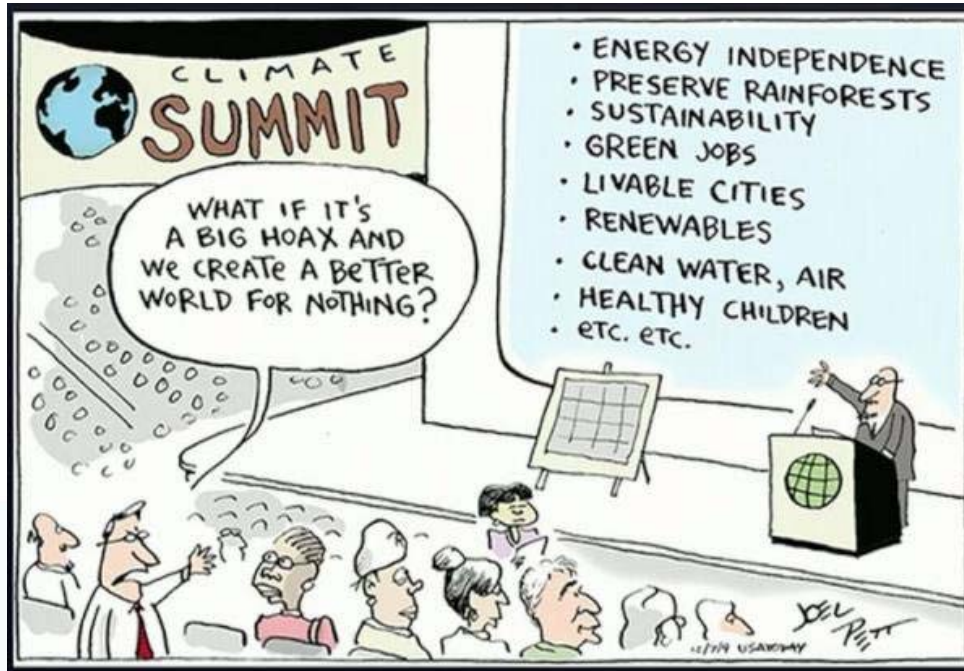
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Source: Economist Intelligence Unit (EIU), RMI. The chart showcases the EIU's predicted value at risk to both private US assets and all US assets under both a 4.5°C warming scenario as well as a more drastic 6.0°C warming scenario.



## The upside of addressing climate change



 Fly Responsibly



**Build forward and build better. Let's not miss the opportunity to build a green, fair and inclusive world post COVID-19.**



**KRISTALINA GEORGIEVA**  
Managing Director, IMF

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