



Presented at BCAC's Annual Conference "Beyond COVID: A Focus on Sustainability, Technology and Opportunities", on May 16, 2022.

InterVISTAS

a company of Royal HaskoningDHV

THE ROAD TO DECARBONIZATION

Policy and Risk Management Considerations

Panel discussion

Aviation and the Environment:
The Urgent Challenge

Marcelo Garcia

Senior Director, InterVISTAS
marcelo.garcia@intervistas.com



FROM INCREMENTAL TO TRANSFORMATIVE CHANGE

The “within one’s control” dilemma

As part of the above-mentioned aviation industry ambition, vision and roadmap, ACI EUROPE and its members commit to net zero carbon emissions from airport operations fully within their own control by 2050 at the latest, reducing absolute emissions to the furthest extent possible and addressing any remaining emissions through investment in carbon removal & storage.

[ACI Europe Resolution \(2021\)](#)

Global climate-tech investments

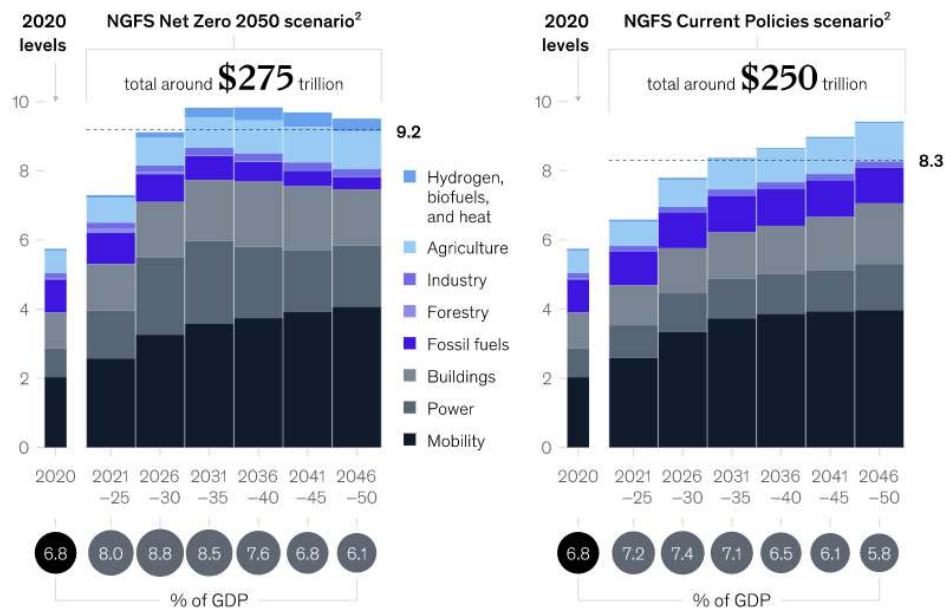


Share of global climate-tech venture investment (2013-H1 2021)

■ Mobility and transport
 ■ Industry and manufacturing and resource management
■ Food and agriculture
 ■ Energy
 ■ Built environment

[Source: PwC State of Climate Tech, 2021](#)

The energy transition is not free



[Source: McKinsey Sustainability, 2021](#)

NET-ZERO PLEDGES: SOME CHALLENGES

Unintended Carbon Leakage?



“The risk of carbon leakage due to the EU Emissions Trading Scheme (ETS) is low, as additional fuel, staff, and aircraft costs linked to stop-overs outside of the EU would erode any economic advantage.



Aviation, decarbonisation and
climate change

“Changes to airline behaviour (e.g., mandated biofuel uptake or landing charges based on aircraft fuel efficiency) usually led to carbon leakage...[and] changes to passenger behaviour (e.g., demand reduction through an increased carbon price) usually did not.

Geopolitics, International and Economic Context

Increasingly fragmented world, more regional initiatives
International impasse on net-zero agenda, EU takes the lead
Economic downturn (if it materializes) could be distracting

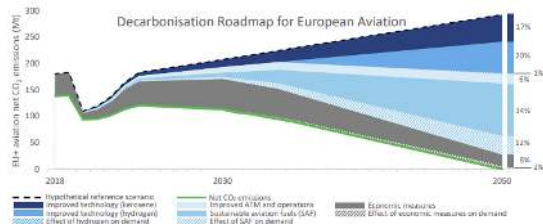
Moral Hazards and Destructive Activism

Partial participation, focus on public reputation rather than actions
Politics of shaming (i.e., flight shame), narrow view of aviation

Methodological

Multiple accounting standards
Verifiability of reported reductions
Double counting (voluntary or involuntary)
Over-simplification: sustainability as decarbonization
Ultimately...a goal without a path

DECARBONIZATION: THE ORCHESTRATED MODEL



TAKE AWAYS FOR BC AVIATION

- 1 Beware of exposure: financial, operational, legal, regulatory, and reputational
- 2 Monitor government action and engage proactively through tangible contributions
- 3 Strengthen internally through robust mechanisms of verification and progress monitoring
- 4 Leverage the tools available within your own control: airport charges, airport incentives, operational rules, use of green financing and public funding mechanisms/programs
- 5 Identify and leverage strategic partnerships for digital innovation and enabling technologies
- 6 Focus on airports as enablers and facilitators of decarbonization and sustainability
- 7 Highlight the value of BC aviation for sustainable prosperity...BC Aviation Strategy 2030?

YOU ARE NOT ALONE

The road from carbon-neutral to carbon-zero...



REGENT

Coastal Travel. 100% Electric.

See It In Action

This advertisement features a large, multi-engine electric aircraft with a high-wing configuration and a large cabin. The aircraft is shown flying over a coastal city with buildings and a harbor. The text "REGENT" is in the top left, and "Coastal Travel. 100% Electric." is in large white letters in the center. A button with a play icon and the text "See It In Action" is positioned below the main text.



Cross-Industry Partnerships

Collaborative Consortiums

Gov-Industry Collaboration

Innovation Ecosystems



Thank You



Marcelo Garcia
Senior Director, InterVISTAS
marcelo.garcia@intervistas.com