



ICAO



ICAO AVIATION CLIMATE WEEK 2026

MONTRÉAL, CANADA | 2 - 4 JUNE



Session 3: Aircraft Technology



Dr. Neil Dickson

Chief, Environmental Standards Section, ICAO

Moderator



Dr. Dimitri Mavris

Distinguished Regents Professor, Georgia Institute of Technology



Guillaume Malaval

Environment Expert - Aircraft Noise Certification, European Union Aviation Safety Agency (EASA)



Anouck Barreaux

Director, Environmental Affairs & Air Transport Policy International Coordinating Council of Aerospace Industries Associations (ICCAIA)

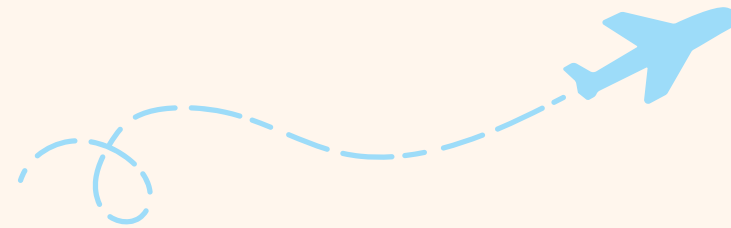


Yoshikazu Makino

Project Manager - Re-BooT Project Team, Aeronautical Technology Directorate, Japan Aerospace Exploration Agency (JAXA)

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Snapshot of **ICAO** Progress



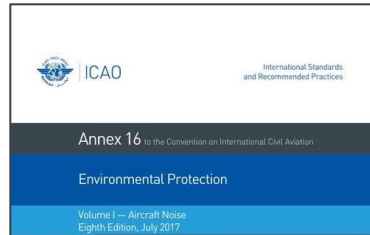
Daniel Langlois

Environment Officer (Noise), ICAO

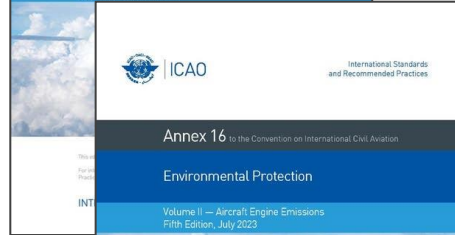


New Environmental Standards and Recommended Practices

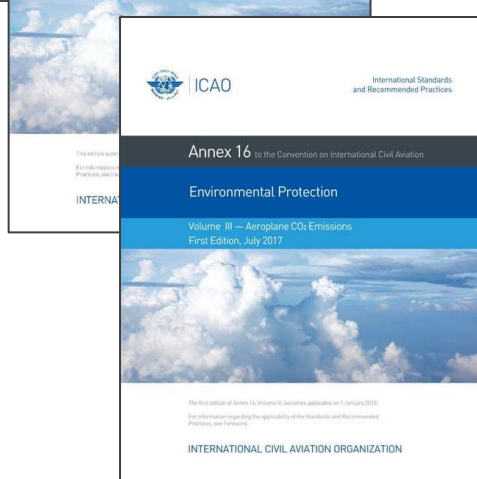
Noise and Emissions



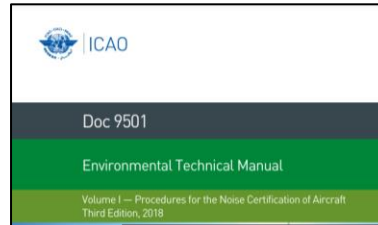
More Stringent limits for Noise



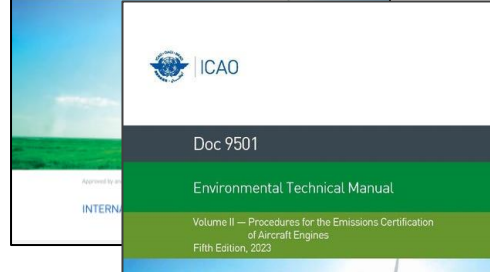
Updated SARPs



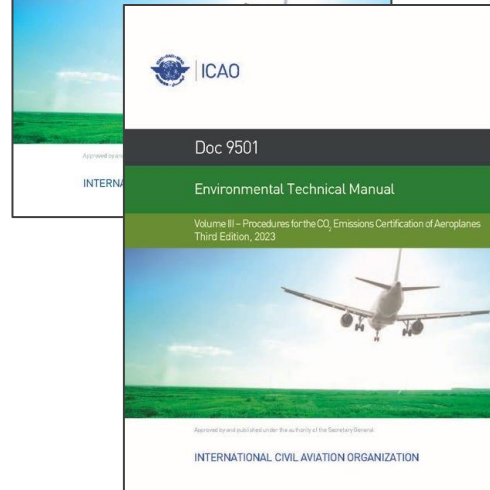
More Stringent limits for CO2



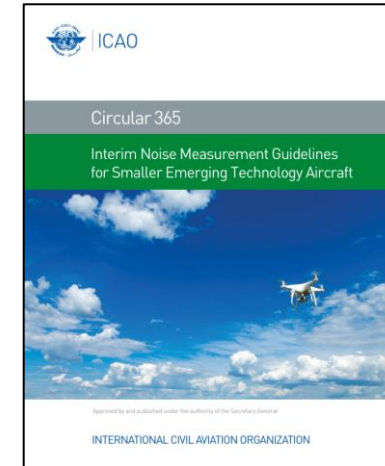
Improved guidance for noise certification



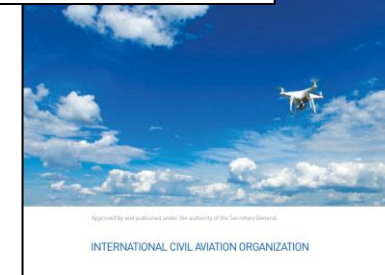
Improved guidance for emission certification



Improved guidance for CO2 certification



New circular for future Standards development



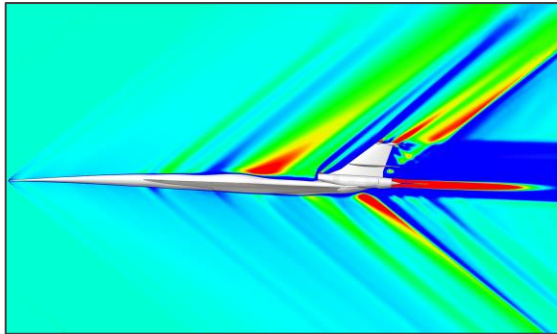
New circular for provisional SST LTO emissions



ICAO Environmental publications

Current and Future Work

CAEP/14 Work Programme (2025-2028)



Sonic boom En-route SARP



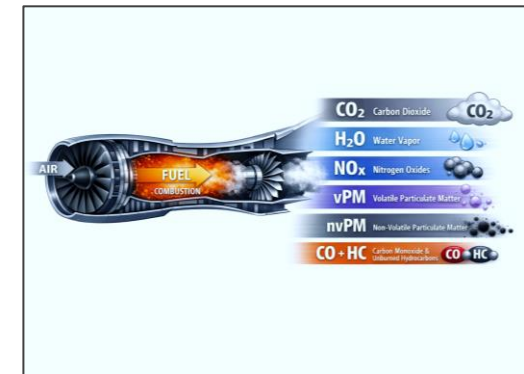
ETA SARP development



More stringent limits for NOx



Non-CO2 emissions understanding and effects



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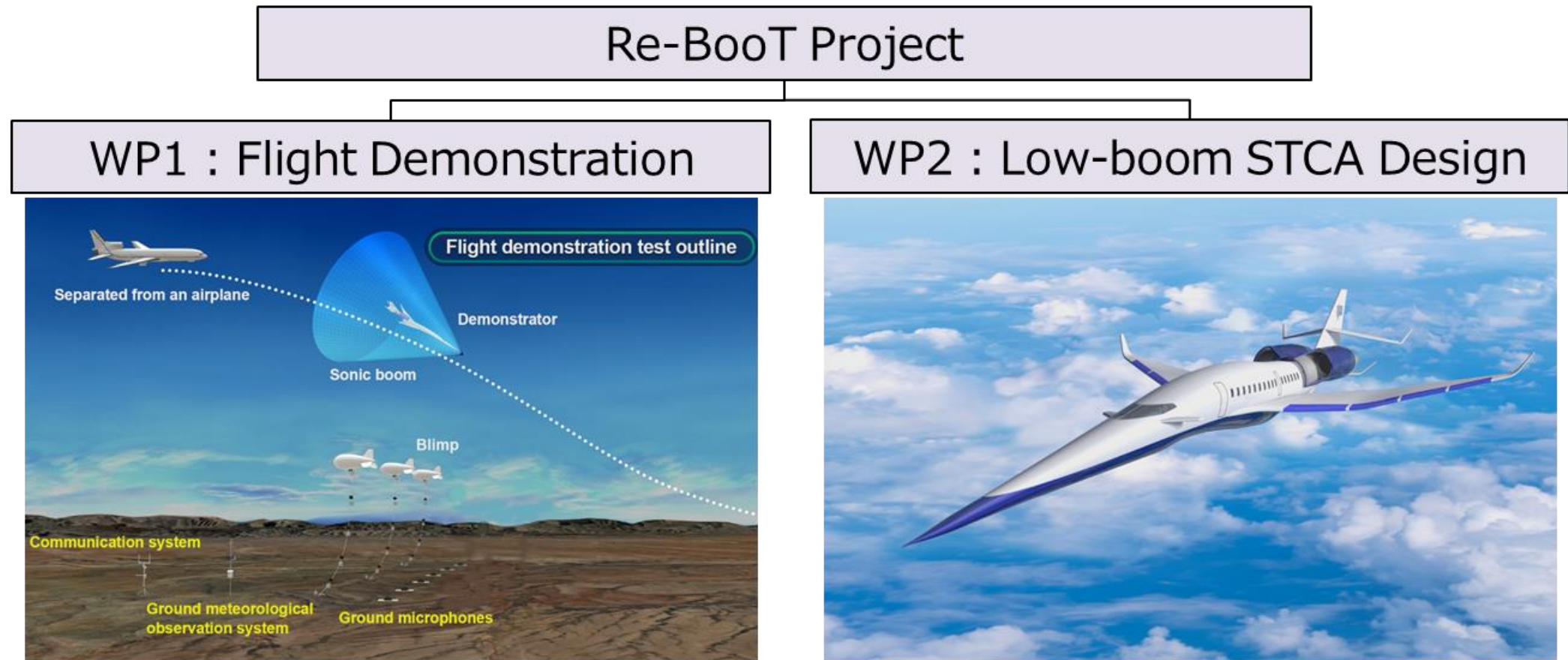


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JAXA's supersonic research project

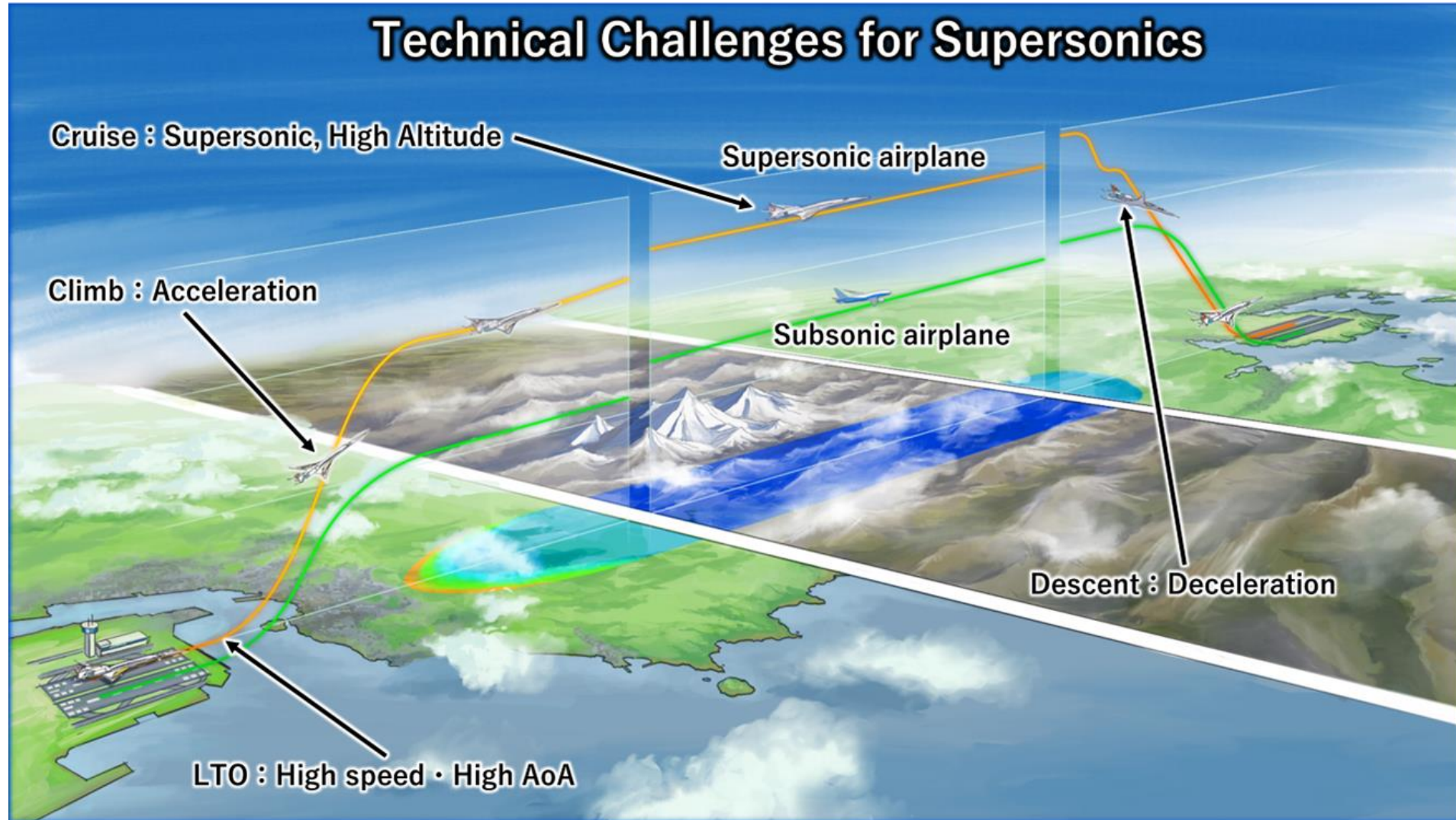
Re-BooT: Robust en-route sonic-boom mitigation technology demonstration



Flight demonstration sponsored by JST in K Program.

STCA: Supersonic Technology Concept Aeroplanes

Image of supersonic airplane operation and technical challenges



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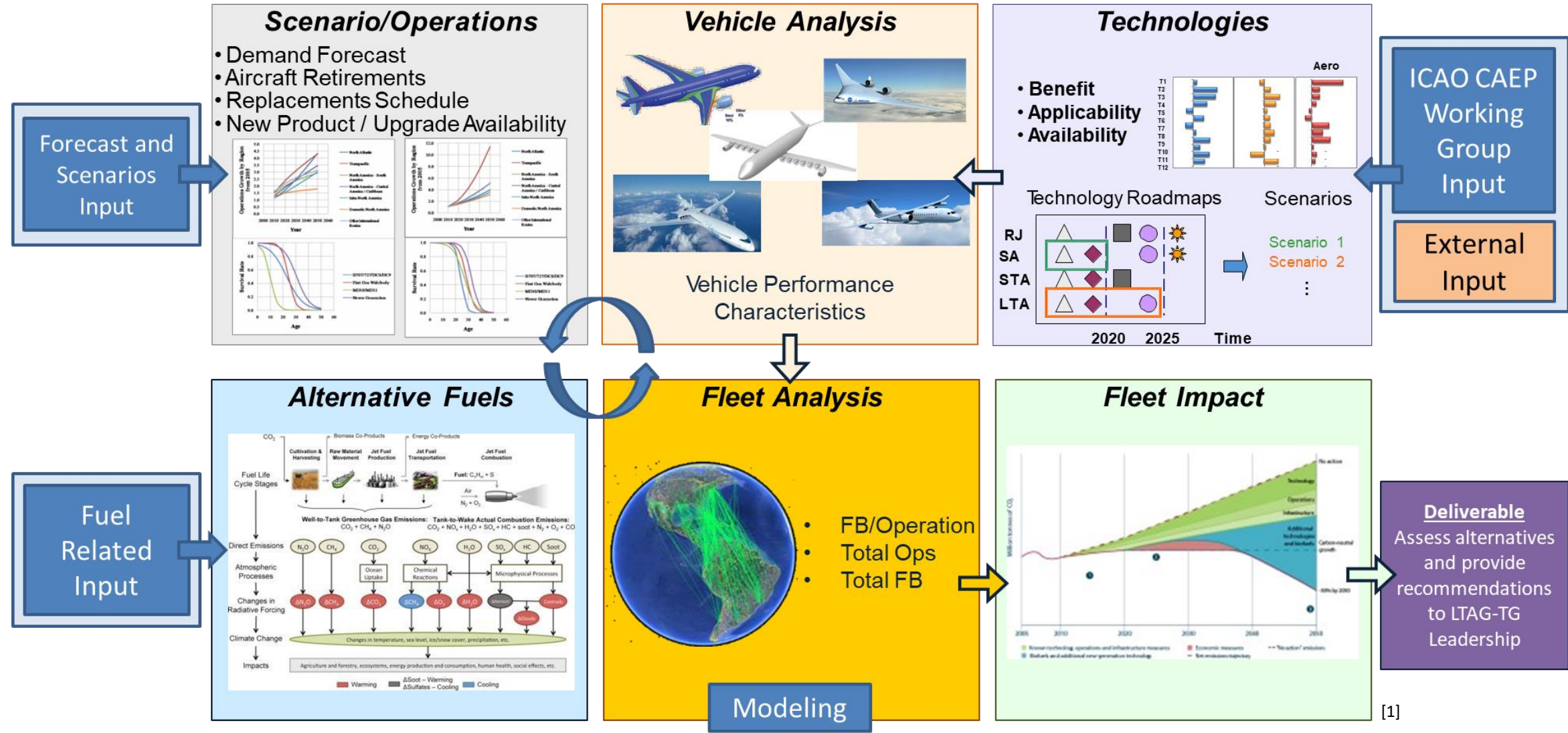


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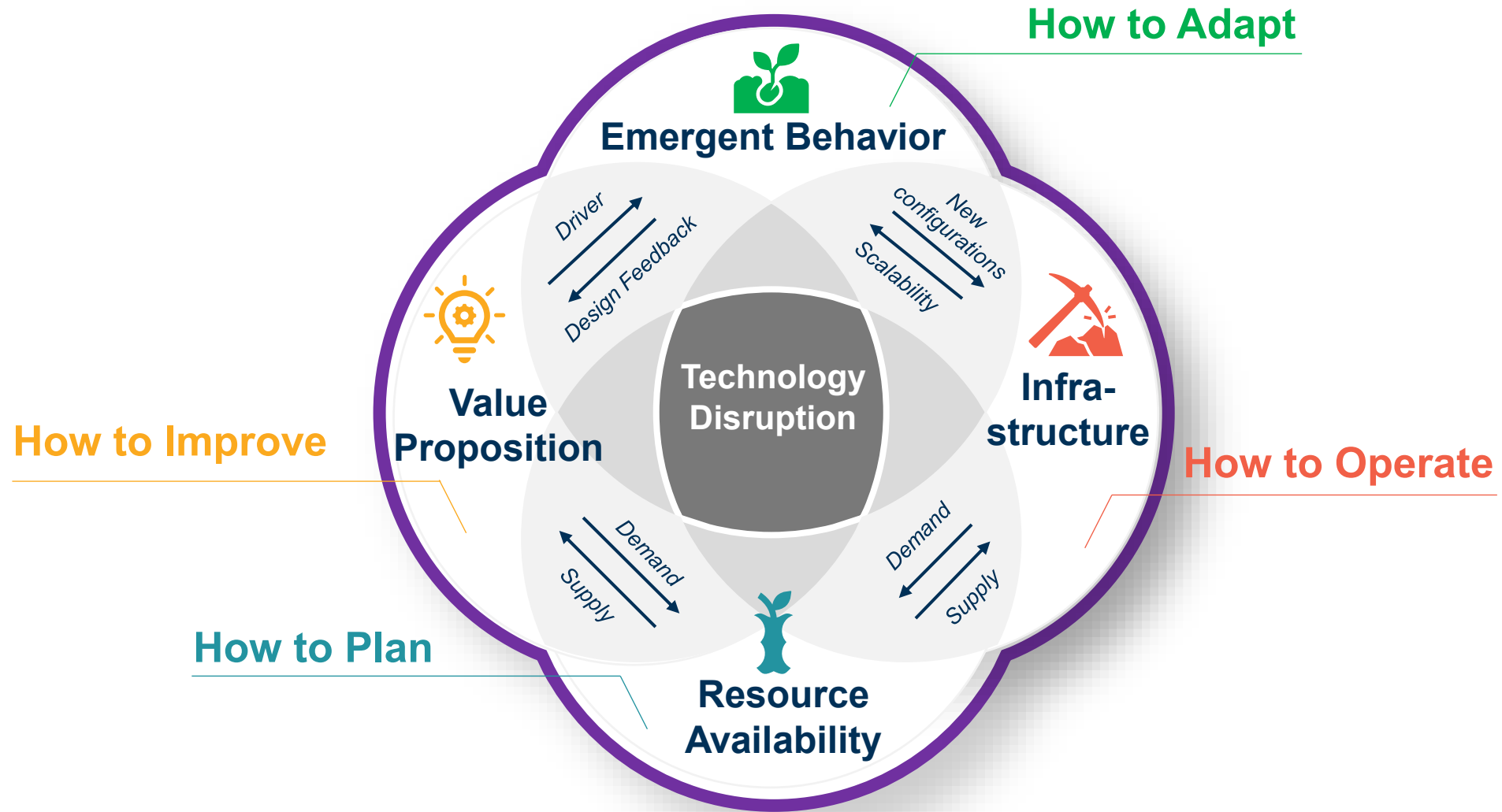
Quantitative Aircraft Technology Assessment Process

Aviation Climate Week 2026
ICAO



1. International Civil Aviation Organization [ICAO]. (2022). *Report on the feasibility of a long-term aspirational goal (LTAG) for international civil aviation CO2 emission reductions*. ICAO Committee on Aviation Environmental Protection

Holistic View and Attainability of New Revolutionary Concepts



System of Systems

Thank You

