



ICAO

ENVIRONMENT



2023 ICAO STOCKTAKING AND PRE-CAAF/3 POLICY AND FINANCE CONSULTATION



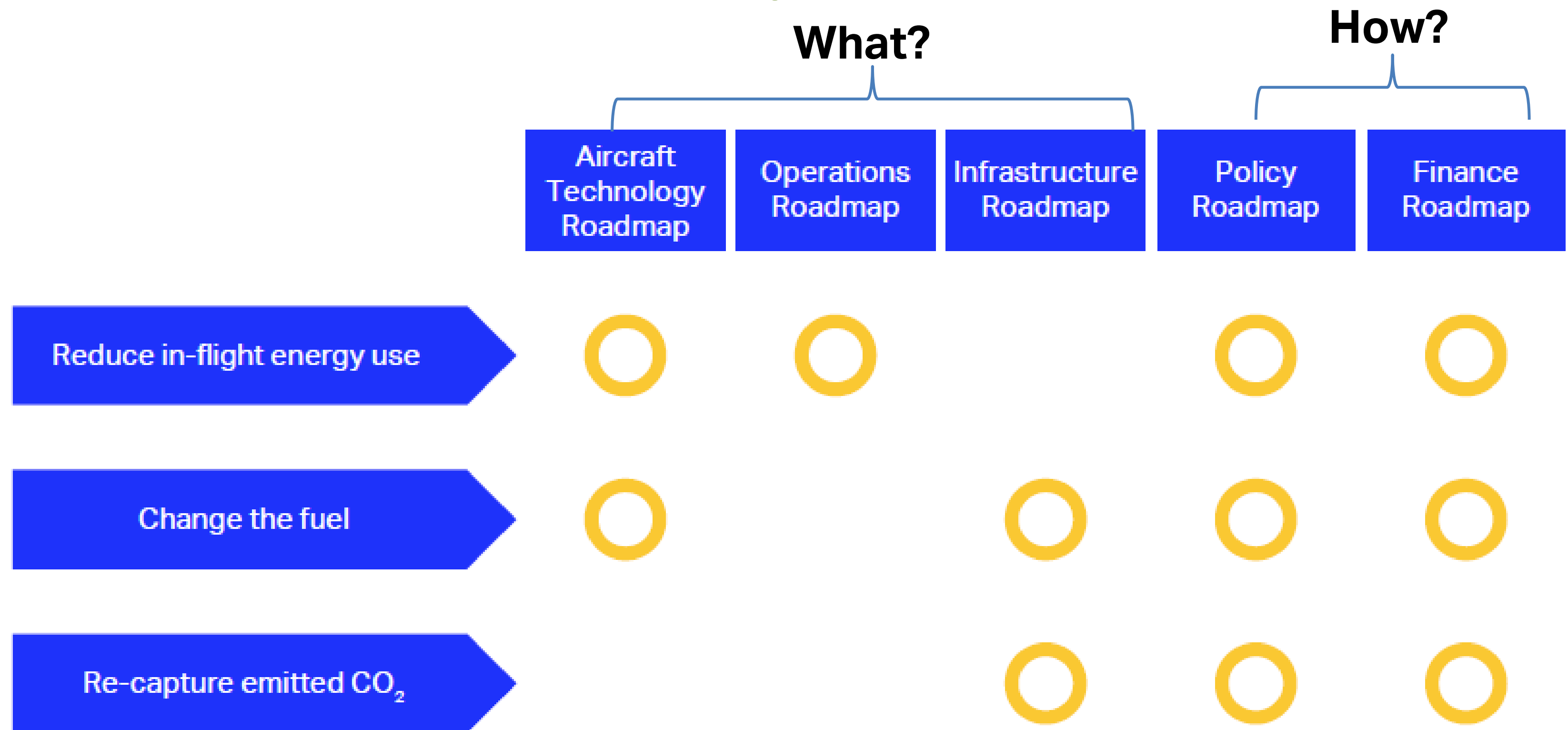
11 to 13 July 2023
Montréal, ICAO Headquarters



Dr Alejandro Block Novelo
Manager, New Energies and Technologies
IATA

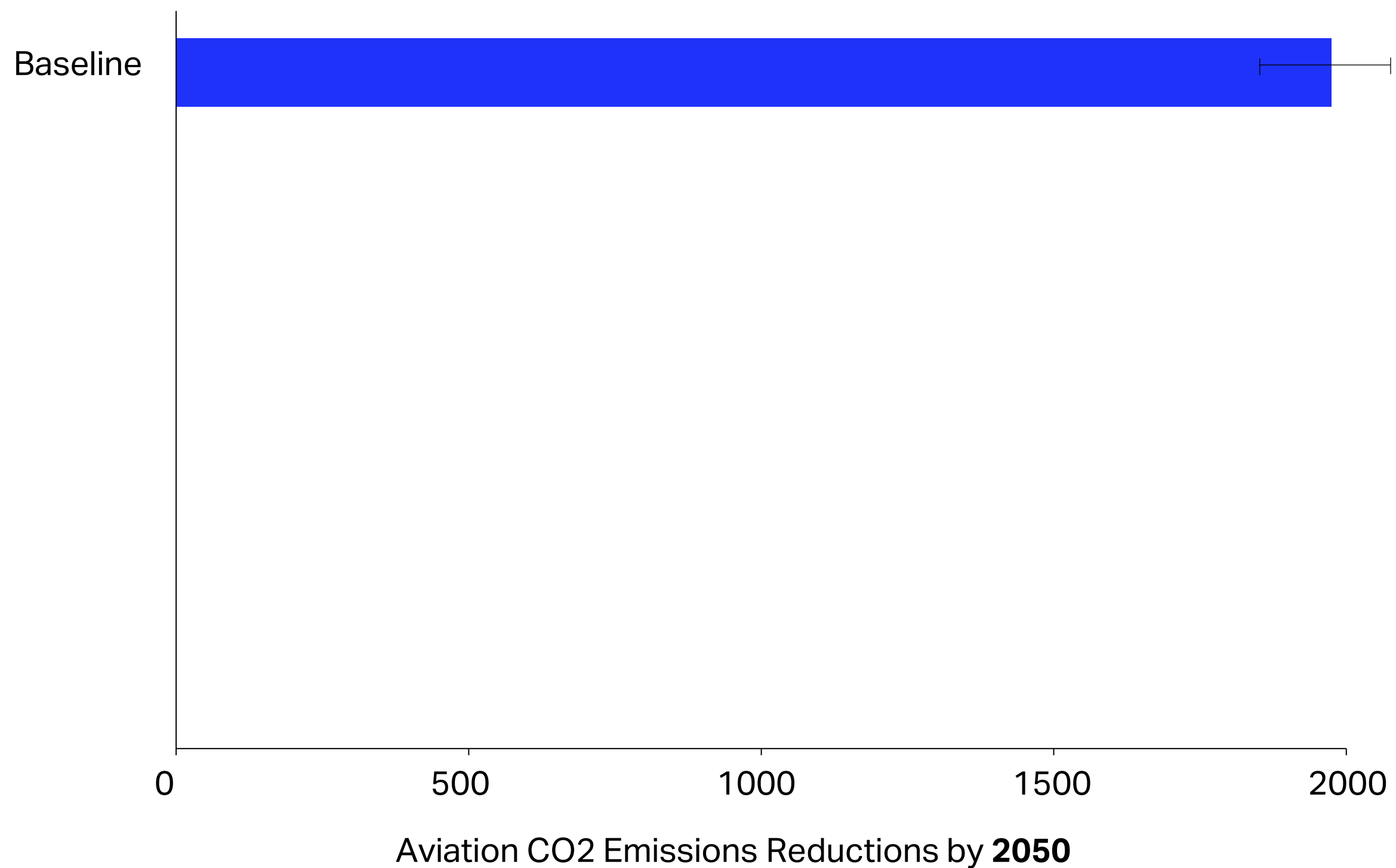
IATA Net Zero Roadmaps

3 Levers of action, 5 roadmaps



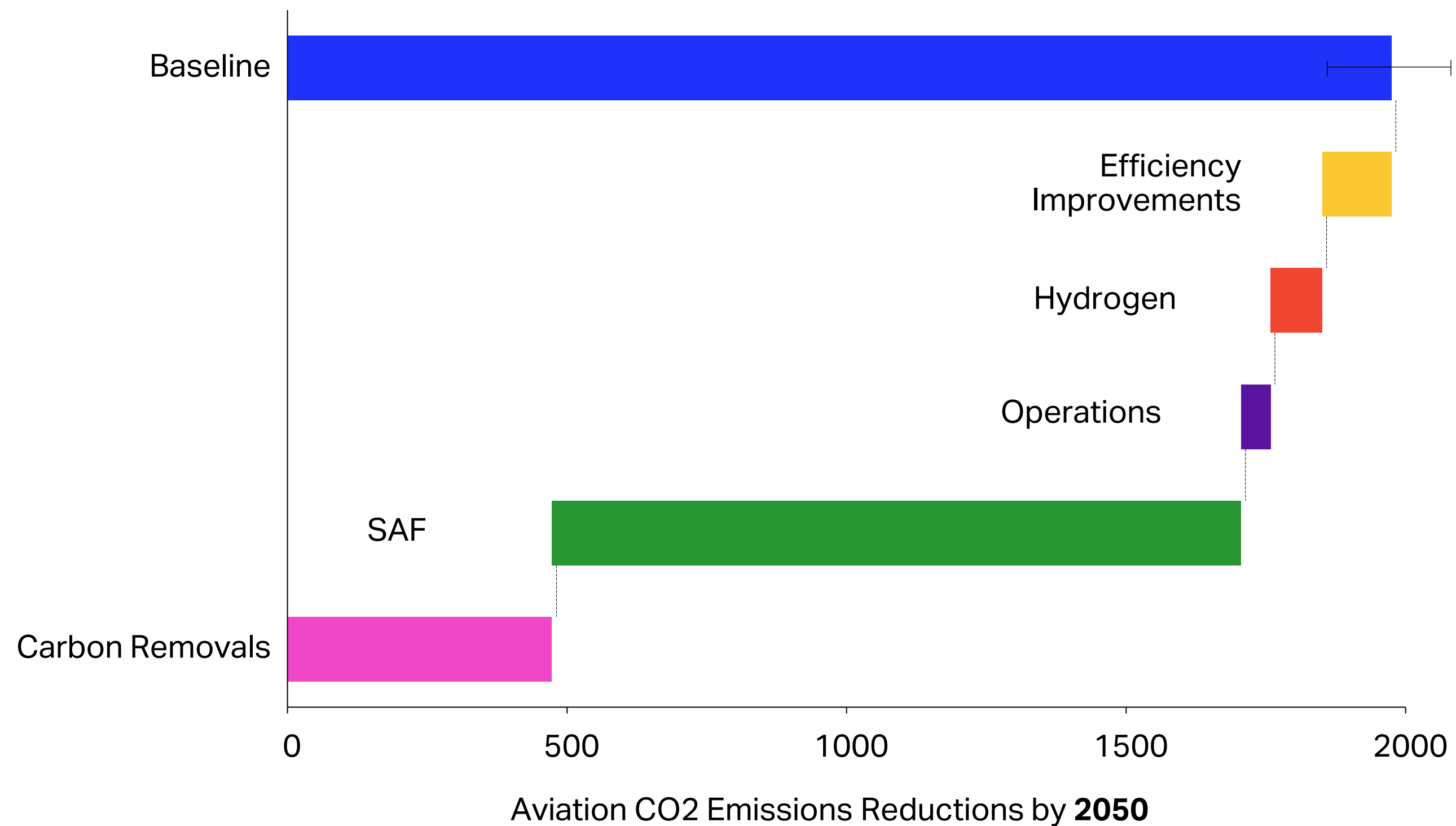


The Power of Finance and Policy:



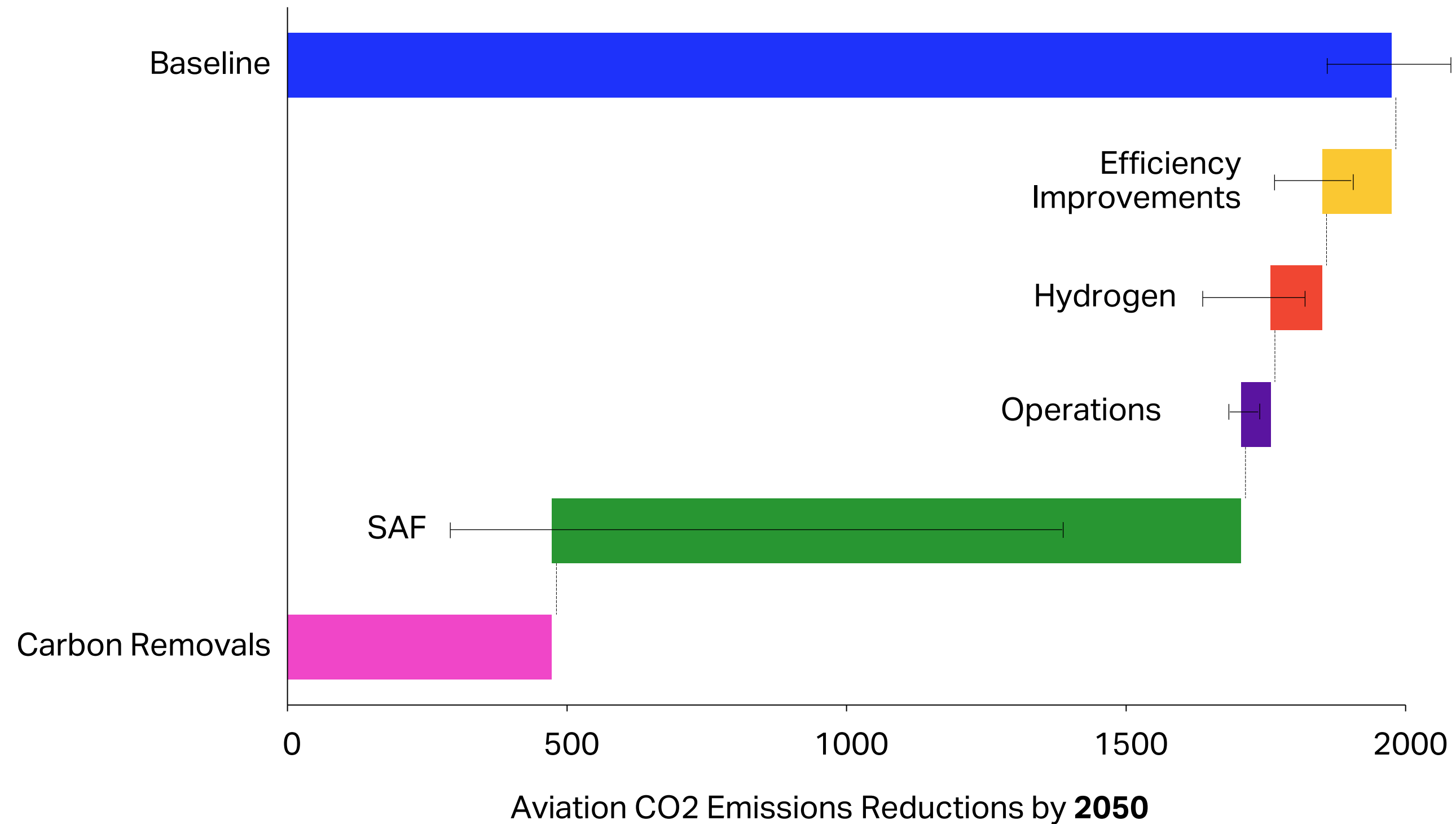


The Power of Finance and Policy:



The Power of Finance and Policy:

- Accelerate progress
- Enable transition
- De-risk technologies



Milestones for key emerging net zero aviation technologies

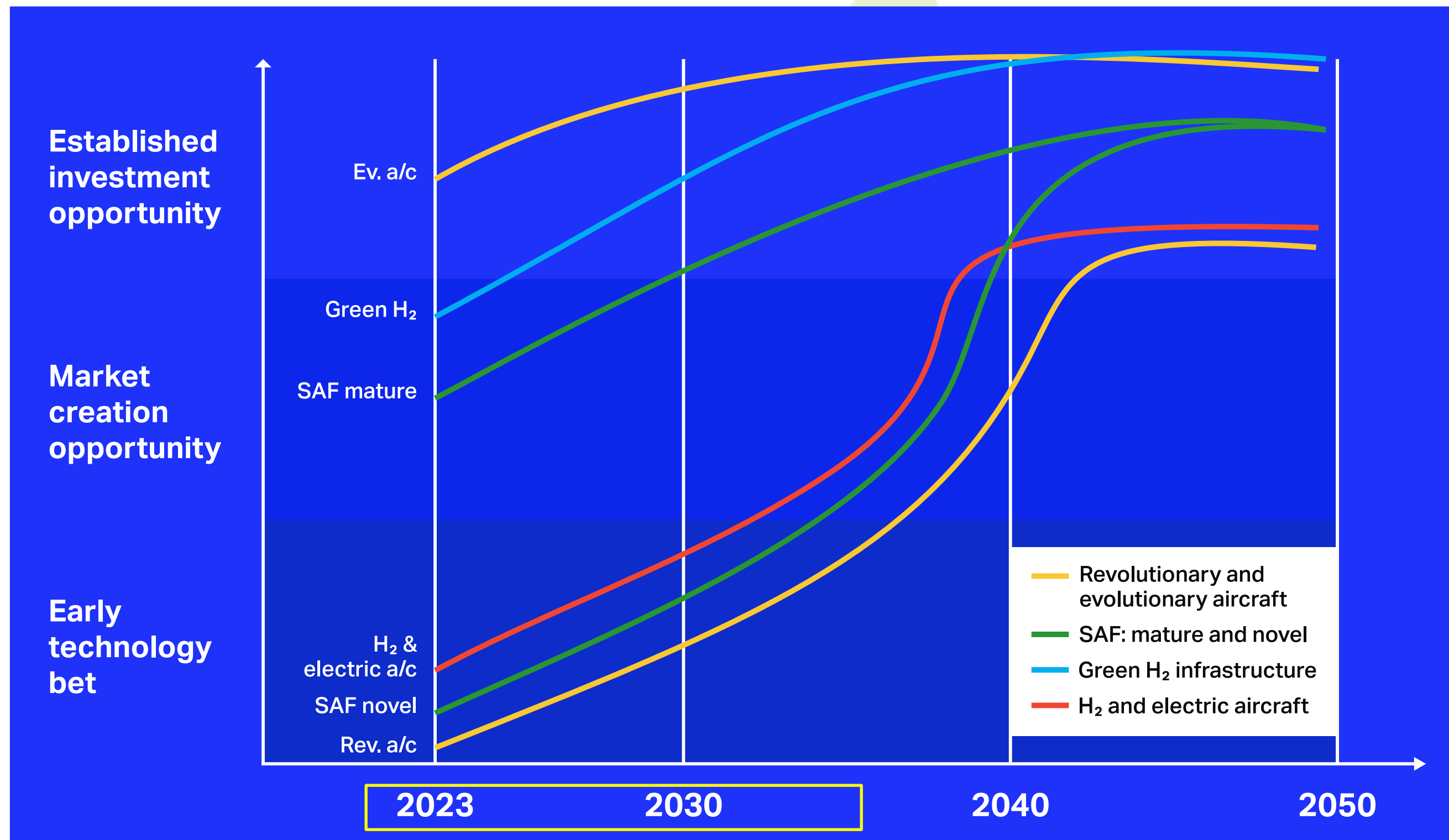


Chart: Commercial maturity progression for key emerging net zero aviation fuels and technologies

Largest share needed from public funds

Examples of SAF financing mechanisms

Technology Archetype	Financing mechanism type	Examples
Early technology bet & Market creation opportunity	Airline climate funds for seed and project funding	United Airlines: Future Ventures Fund (\$100m) Emirates: Sustainability Fund (\$200m) Qantas: Climate Action Fund + Airbus Co-investment (\$270m)
Market creation opportunity	Long-term SAF offtake agreements (ICAO dashboard)	45 airlines (USD\$40bn in purchases and forward commitments)
Market creation opportunity	Equity positions (vertical integration) in technology or biorefineries	United Airlines: Equity stakes in Blue Blade Energy, NEXT Renewables, Alder Fuels etc. Cathay Pacific: Equity stake in Aemetis Qantas: Equity stake in LanzaJet in Queensland, Aus

Thank You



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