

Assessing Market and Environmental Impacts of an N+3 Supersonic Aircraft

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NASA-sponsored studies are investigating an “N+3 generation” supersonic aircraft that might enter service in 2030 – 2035. Our presentation explores how this new aircraft affects fleet-level CO₂ and NO_x emissions based on projected operations and passenger demand in 2050. The study also examines the evolution of the overall productivity of the fleet (measured in passengers per block hour) as the aircraft penetrates the airline market and affects allocation of other aircraft.

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