

Abstract of Presentation

ICAO CAEP brings a unique blend of resources and a rational technical approach to complex aviation environmental issues, which involve a balance among local air quality, climate change and community noise. Since the introduction of gas turbine powered aircraft, considerable advancements have been made in technology to reduce emissions affecting local air quality and climate. Government and industry sponsored research continues, with due consideration for tradeoffs between CO₂, which is a concern with respect to climate, and NO_x, which can affect local air quality. Ongoing research, reported in 17 ICCAIA papers prepared for CAEP's Working Group 3 prior to CAEP/5, are on track to provide the CO₂ and NO_x reductions projected in the IPCC Special Report on Aviation and the Global Atmosphere.

Willard Dodds

Chairman of ICCAIA Noise and Emissions Control Committee

Willard Dodds is the senior staff engineer for emissions regulations and strategy at GE Aircraft Engines. He has 25 years experience in design and development of aircraft engine combustion systems, including several reduced-emission combustors. For the past several years, he has been the GE Aircraft Engines representative on industry committees that interact with the US EPA and FAA, as well as the International Civil Aviation Organization on engine emissions regulatory issues. Will is currently Chairman of the International Coordinating Council of Aerospace Industry Associations Committee on Noise and Emissions Control.