Agenda ETF session 3:40pm- 17:20 Wednesday 16 September

International Council of the Aeronautical Sciences

OPENING
Fayette Collier, NASA, United States; Gunnar Holmberg, Saab AB, Sweden

THE COLLABORATIVE NATURE OF AVIATION INDUSTRY
B Stoufflet, France

PRACTICAL INNOVATION IN AEROSPACE
D. Donovan, United States

AVIATION VISION 2050: THE POTENTIAL FOR CLIMATE NEUTRAL GROWTH
S. Kumar, United States

A MULTI-FUEL PROPULSION SYSTEM STRATEGY FOR AVIATION TRANSPORT RESILIENCE
Andrew Murphy, United States

DISCUSSION PANEL

ETF 2025 in Brno: Shaping Aviation for Society

Agenda

- Aviation in a complex turbulent world
- Addressing Efficiency and Resilience
- Contributing to Resilience
- Analyzing and Debating the Way Forward



ETF Key tensions in the discourse (Claude analysis)

1. **Growth versus decarbonisation**
2. **Technology optimism versus implementation realism**
3. **Innovation speed versus safety assurance**
4. **Global coordination versus fragmented regulation and policy**
5. **Sustainability ambitions versus economic viability**
6. **Digitalisation as resilience versus digitalisation as vulnerability**
7. **Technological maturity versus ecosystem readiness**
8. **Public trust versus sector self-confidence**
9. **Equity and access versus market-driven aviation**
10. **Long development cycles versus rapidly changing societal needs**
11. **Resilience as robustness versus resilience as adaptability**
12. **Aviation's societal value versus societal scrutiny**

In short: the ETF discourse is built around a central balancing act: aviation must continue to grow and serve society, while becoming safer, greener, more resilient, more affordable, more trusted, and more systemically integrated.

Based on a Claude analysis of Prof N. Lakemonds notes from ETF