

ICAO Aviation Green Recovery Seminar

TIME TO BUILD BACK BETTER





Session 4 – Aviation Global Green Recovery, What’s The Plan?



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10 Takeaways from Session 2

1. **Different CO₂ mitigation options for aviation have different timeframes** (short/mid/long term) for their deployment and full-scale implementation. Technologies could meet the **demand of different market segments** (short/mid/long haul).
2. The scaling-up of **sustainable fuels** seems to be a solution that can clearly be done now. We heard about the successes and ongoing challenges for its development and the need for **policy actions by governments** (such as R&D incentives, SAF certification support, SAF blending policies) to accelerate their use on a scale, and at a price, that will really make a difference. The **price delta remains a main limiting factor** for SAF.
3. Solutions involving **electrification and hydrogen** for aviation's decarbonization cannot happen without the **involvement of the broadest possible range of stakeholders**, including adapting ground infrastructure for energy storage and distribution.



10 Takeaways from Session 2

4. Amongst short-term solutions, the operation of **electric short-range aircraft** requires the establishment of clear certification requirements, infrastructure, access to low cost green electricity, and level playing field with other transport modes, and of course we need enhanced financing and investment, in order to ensure that electric and hybrid technologies are developed and deployed. A **systemic approach** is called for.
5. **Hydrogen** may be considered the sustainable fuel of the future and needs further investigation through a global collaborative approach between all industry members on the development of vehicles, infrastructure, and of course a large scale global **supply of green hydrogen at a reasonable cost**. We will need to raise **public awareness and confidence**, which will be essential for hydrogen.
6. Securing the necessary **financial resources** is of paramount importance for the development and deployment of all those options.



10 Takeaways from Session 2

7. ICAO should support the **States in their green recovery plans** with solutions to accelerate and incentivize aviation's decarbonization.
8. ICAO should continue to play a central role for the timely development of **certification requirements for the environment-driven innovations** (e.g. electric, hybrid aircraft).
9. CORSIA is expected to continue to have a **complementary role** in carbon mitigation efforts for aviation in the future.
10. CORSIA could be expanded to **incentivize other carbon reducing efforts** in aviation beyond sustainable aviation fuels, such as electric and hybrid aircraft.



Questions to Session 4 – Panelists

- 1. What are the priority solutions to deliver substantial and quick progress to reduce CO2 emissions and decarbonize aviation?**
- 2. What actions should governments take now?**
- 3. How can ICAO help?**

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