

**COP28, Dubai, UAE**  
**ICAO-IMO-IRENA Side-Event**

**Innovation and clean energy for international aviation and shipping**

*Saturday, 2 December 2023*

*Blue zone, SE Room 3, 18:30 to 20:00*

**Overview**

This side-event will present how policies developed through ICAO and IMO, two specialized agencies of the United Nations, are promoting the clean energy transition for international aviation and shipping, in support of the Paris Agreement temperature goal.

The side-event will discuss on how the development and deployment of cleaner energy for international aviation and shipping, the associated implementation support to States, and green financing will define the pathway towards reducing carbon and GHG emissions from these two sectors.

More precisely, the side-event will showcase the recent achievements made by ICAO and IMO in addressing carbon and GHG emissions from international aviation and shipping, respectively, including the ICAO Net-Zero 2050 long term aspirational goal (LTAG), the outcomes of the third ICAO Conference on Aviation Alternative Fuels (CAAF/3, 20-24 November 2023), and the 2023 IMO Strategy on reduction of GHG emissions from ships. The International Renewable Energy Agency (IRENA) will complement this by highlighting the technology and innovation pathway for the achievement of the transitions in these sectors based on its World Energy Transitions Outlook.

**Programme**

*Moderator: Jane Hupe (ICAO Secretariat)*

1. Opening remarks – *Salvatore Sciacchitano, President of ICAO Council*
2. IMO Video for COP28 – *Kitack Lim, IMO Secretary General*
3. Overview of ICAO work – *Jane Hupe, Envoy of the ICAO Secretary General to the UNFCCC COP*
4. Decarbonising international aviation and shipping with renewable energy, *Roland Roesch, Director of the IRENA Innovation and Technology Centre*
5. Overview of IMO work – IMO Secretariat, *Camille Bourgeon, IMO Technical Officer*
6. Industry perspectives on innovation and clean energy for aviation – *Haldane Dodd, Executive Director, Air Transport Action Group (ATAG)*
7. Industry perspectives on innovation and clean energy for shipping – *Nelson Mojarro, Head of Innovation and Partnerships, International Chamber of Shipping (ICS)*
8. Civil society perspectives on clean energy for aviation and shipping – *Dan Rutherford, Director of aviation and marine programs, International Council on Clean Transportation (ICCT)*
9. Questions & Answers Session