

# Continuing Professional Development Certificate

## How will climate change affect air travel?

Date: Wednesday 18 January 2017

Time: 1.15pm - 2.00pm

Speaker:

Dr Paul Williams, University of Reading, UK

In this IIL, lecture Dr Paul Williams discussed the impacts that climate change could have in the future on air travel, including increased turbulence and modified flight paths and journey times. The basis of Paul's presentation was that aircraft do not fly through a vacuum, but through an atmosphere whose meteorological characteristics are changing because of global warming. He explained that the impacts of aviation on climate change have long been recognised, but the impacts of climate change on aviation have only recently begun to emerge. These impacts include intensified turbulence, increased take-off weight restrictions, and modified flight paths and journey times. A recent study by the speaker suggests that transatlantic traffic will be airborne for an extra 2,000 hours each year in the coming decades, because of changes to the prevailing jet stream winds.

By the end of this lecture, members would have gained an insight into:

- The two-way coupling between aviation and climate
- How the jet stream is changing
- The expected long-term trends in air turbulence and journey times



This lecture or podcast can be included as part of your CPD requirement should you consider it relevant to your professional development needs. It is recommended that you keep any evidence of the CPD activity you have completed and upload copies to the recording tool as the CII may ask to see this if your record is selected for review.