

## **Robin DERANSY - EUROCONTROL**

Robin DERANSY is Deputy Head of EUROCONTROL's Aviation Sustainability Unit, responsible for research and innovation activities, including the development and maintenance of EUROCONTROL's environmental impact assessment tools: IMPACT, AEM, Open-ALAQs, whose models are extensively used in the context of CAEP MDG assessments. Robin is the EUROCONTROL coordinator for all SESAR research activities related to environmental performance (from SESAR 1 to date). The SESAR 3 programme is primarily focused on addressing aviation sustainability issues, including topics related to new entrants (UAVs and high-altitude operations) and emissions reduction (noise, CO2 and non-CO2, including contrail mitigation). Robin coordinates a team that participates in or supports several European research projects (Horizon). Robin joined EUROCONTROL in 1995, where he worked for 9 years as a data analyst on ATM validation through real-time simulation. He contributed to the emergence, consolidation, and application of the European Operational Concept Validation (or E-OCVM) methodology. In 2008, Robin moved to the EUROCONTROL Environment Unit as Deputy Head in charge of the EUROCONTROL Experimental Centre team and has remained in this role since.

Robin is a member of the ICAO CAEP MDG, responsible for providing ECTL data to FAA/Volpe for the maintenance of the Common Operation Database (COD), a fundamental database for many CAEP studies. During the CAEP/10 cycle, Robin also served on CAEP WG2, and co-led the development and finalisation of ICAO Doc 10031 - Guidance on Environmental Assessment of Proposed Air Traffic Management Operational Changes, published in 2014.

Robin is a software engineer (specialised in software development methodology) from the CNAM (French Conservatoire National des Arts et Métiers).

Recent publications:

- Fuel Tankering: Economic Benefits and Environmental Impact for Flights Up to 1500 NM (Full Tankering) and 2500 NM (Partial Tankering); [<https://doi.org/10.3390/aerospace8020037>](<https://doi.org/10.3390/aerospace8020037>)
- ICAO 2022 Environmental Report, "Economic Fuel Tankering: A Threat to Aviation Decarbonisation", Laurent Tabernier & Robin Deransy (EUROCONTROL), and Dan Rutherford (ICCT); <https://www.icao.int/environmental-protection/Documents/EnvironmentalReports/2022/ICAO%20ENV%20Report%202022%20F4.pdf>
- EUROCONTROL Think Paper #10 - "Flying the 'perfect green flight'; How can we make every journey as environmentally friendly as

possible?" <https://www.eurocontrol.int/publication/eurocontrol-think-paper-10-flying-perfect-green-flight>

- "Implementing Mitigations for Improving Societal Acceptance of Urban Air Mobility";  
[<https://doi.org/10.3390/drones6020028>](<https://doi.org/10.3390/drones6020028>)