



Reducing Environmental Footprint through Transformative Multi-scale Aviation Planning

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OBJECTIVES



Trajectory
optimization



Flow patterns
prediction



Reduce air travel's
environmental impact



Minimise the noise impact
on communities and wildlife



New aviation
business models



Use Cases in Large Scale

- Help airlines support sustainable aviation practices complying with new regulations
- Minimise citizens environmental impacts, while ensuring airport capacity expansion
- Discover new airport locations with minimum environmental impact
- Empower EU regulators to oversee environmental footprints from the aviation industry
- Help airlines support sustainable aviation practices, while remaining competitive to other transport modes



Use Cases in Small Scale

- Limit urban air mobility impact on urban and peri-urban areas
- Demonstrate candidate locations in an inhabited areas where drones can operate
- Maximise services and civil protection under extreme weather events
- Enable the delivery of essential goods, complementing other forms of transportation



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DRONEPREP



Space for a safer life



ICCS



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