

Panel 3


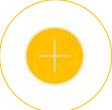


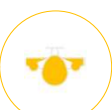





Societal expectations driving Technological Evolution

(Panel Question No 3)

Nathalie Le Cam, Flight Standards Directorate

EASA Study on Societal Acceptance of UAM – 2021

10 key results

- 1  A positive initial attitude to UAM throughout the EU
- 2  Strong support for use cases in the public interest
- 3  Top 3 expected benefits: faster, cleaner, better and extended connectivity
- 4  Top 3 concerns: safety, environment/ noise and security
- 5  Safety: existing aviation safety levels are the benchmark
- 6  Environment: priority is protection of wildlife
- 7  Noise: acceptable at level of familiar city sounds
- 8  Security: need to build confidence and trust in citizens
- 9  Ground infrastructure: must be well integrated
- 10  Regulatory authorities: must cooperate at all levels

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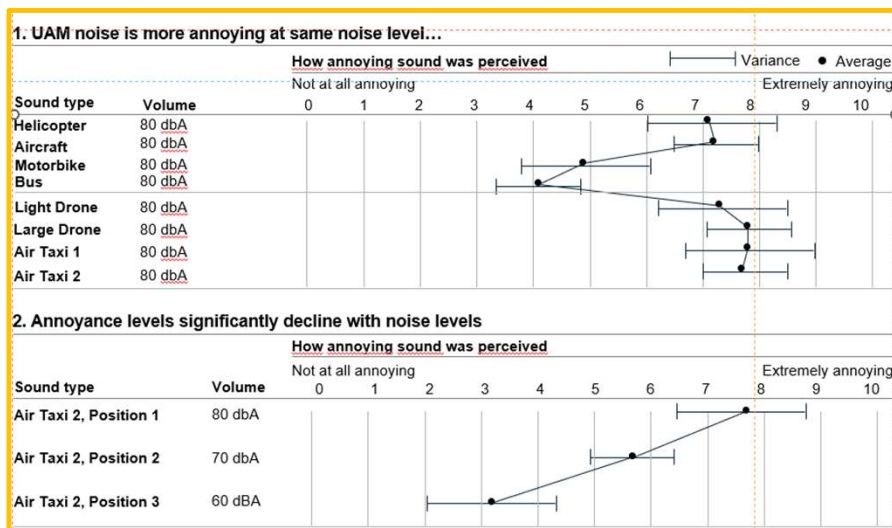
Societal expectations driving Technological Evolution

(Panel Question No 3b)

Nathalie Le Cam, Flight Standards Directorate

➤ EASA Study on Societal Acceptance of UAM – 2021

How to test acceptance of innovations ?



- New sound perceived as more annoying than usual city sounds, at same volume
- Acceptable sound level +/- 65 dbA



Detailed noise perception simulation in a 3D Sound Lab