

Summer 2020 work programme update

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Aims of this session

To update the Board on the Summer 2020 work programme:

- Attitudinal survey
- Analysis of aviation data - activity, flight tracks and noise monitoring

Attitudinal Survey– overview

Purpose of work:

To gather evidence on changing attitudes towards aviation noise during this period of reduced aviation activity.

Progress update:

- completed 2,000 interviews as of 14/07
- achieved a good spread by age, including 18-30s
- achieved target sample at each airport

Airport	Sample	Airport	Sample
East Midlands	50	Heathrow	1,250
Edinburgh	150	Manchester	400
Gatwick	150		



Attitudinal Survey – research topics

- Respondents' experience of aviation noise pre and during lockdown:
 - home life activities
 - night and daytime noise
 - frequency of annoyance
- respondents' attitudes towards:
 - aviation noise going back to pre lockdown levels
 - economic benefits of living near an airport
 - priority of environment in recovery in aviation noise
- if respondents have noticed any change in flight paths
- moderating factors such as other transport noise, noisiness of neighbourhood, satisfaction with neighbourhood, access to outdoor space and amount of time spent at home during lockdown
- issue of most concern during lockdown e.g. number of flights, ground noise from airport etc.



Next steps

- Report set up meeting w/c 20 July
- First draft report w/c 3 August
- Final report 28 August
- Report to Board 9 September
- Plan next steps for survey findings - ongoing



Aviation noise – overview

Purpose of work:

To examine how aircraft noise around UK airports has changed during this period of reduced aviation activity.

Progress update

- work programme agreed with CAA including:
 - freight and passenger ATMs (and fleet type/mix)
 - flight tracking and density plots (changes in flight patterns over time)
 - noise monitoring (ground level noise including aircraft and background noise)
- analysis of altitude details still being finalised

Aviation noise – analytical approach

Workstream	Agreed Output (from CAA)	Frequency
Freight & passenger ATMs	Daily averages of ATMs for each of the London airports.	Daily
Flight track keeping	% of aircraft on track, (inc. easterlies & westerlies).	Monthly
Density plots	<p>LHR – to include arrivals and departures for: April 2020, June 2020, August 2020 – 6 plots April 2019, June 2019, August 2019 – 6 plots</p> <p>STN – April 2020 – 2 plots, August 2020 – 2 plots April 2019 – 2 plots, August 2019 – 2 plots</p>	Monthly as stated
Noise monitoring	Noise monitor positions agreed for: LHR (7), LGW (2) and STN (3). Even distribution over distance. 2020 V 2019 comparisons.	Weekly
Altitude	<p>Altitude plots: showing aircraft at 4k and 7k ft for LHR, LGW, STN for same period as density plots.</p> <p>Profile analysis (LHR): still need to agree aircraft type (likely B777-300ER and B777F) Output over 4 months due to small sample size</p>	Profile analysis: Over 4 months due to small sample size (e.g. April – July)



Next steps

- Initial report due w/c 20 July (for ATMs and noise monitoring to include March, April, May data)
- Monthly reports for June – September 2020
- Quarterly reports December 2020 and March 2021
- On-going analysis as reports feed-in over time

