

NOISE ACTION PLAN 2024 – 2028

ENVIROSUITE FORUM

SAMANTHA FOUNTAIN – LISBON

MIKE GLEN – PALM SPRINGS

Heathrow



OUR JOURNEY TO
QUIETER

JUNE 2023

OUR PRESENTATION TODAY

1. Setting The Scene
2. Our Journey To Quieter - Video
3. Legal Framework
4. Heathrow Noise Management Framework
5. Data Trends
6. The NAP Process
7. Heathrow Noise Key Actions proposal
8. NAP Drives Innovations

1 - Setting The Scene



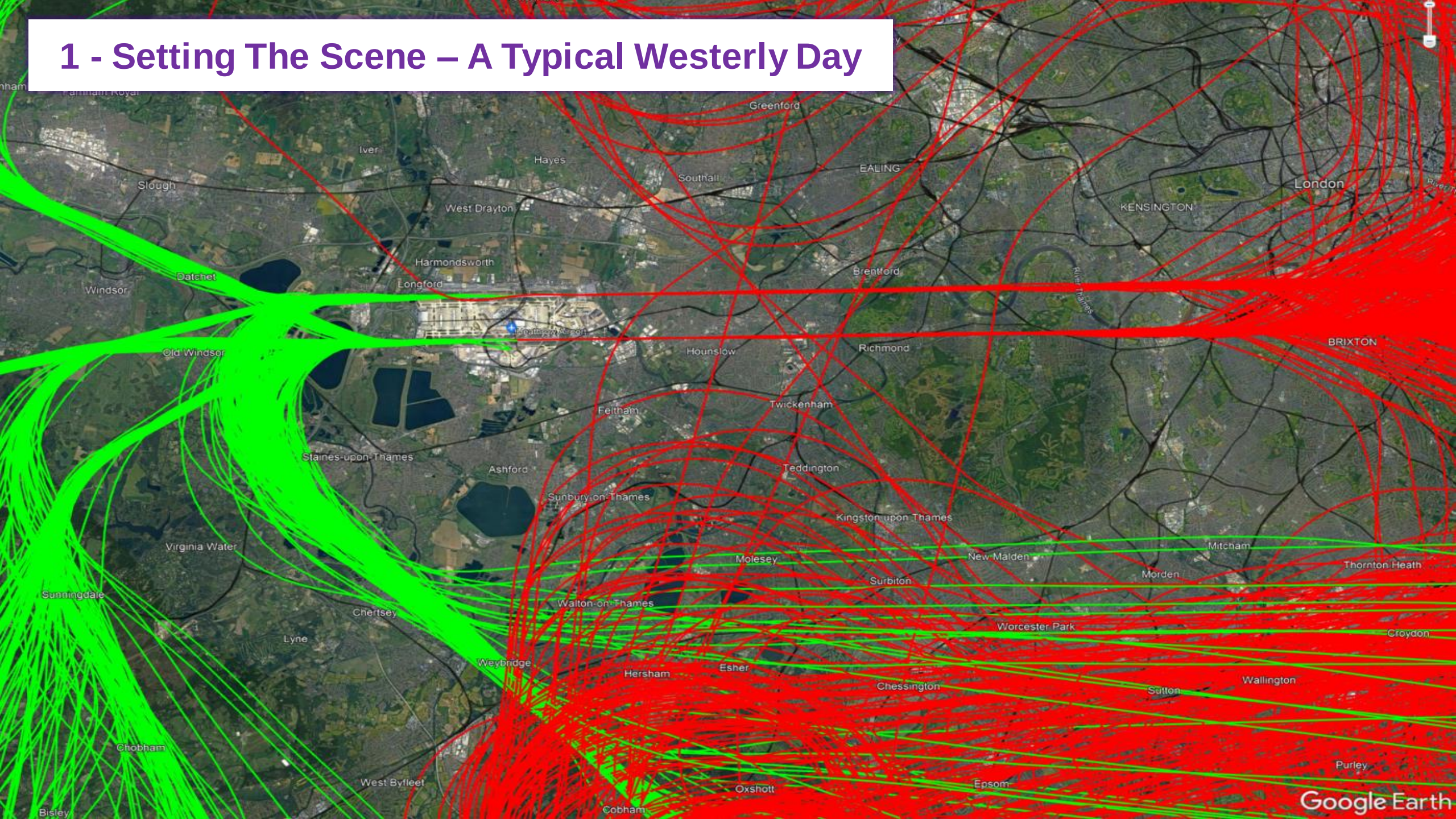
2023 – To 1st Sept – 300,925 ATMs

2022 – 377k ATMs

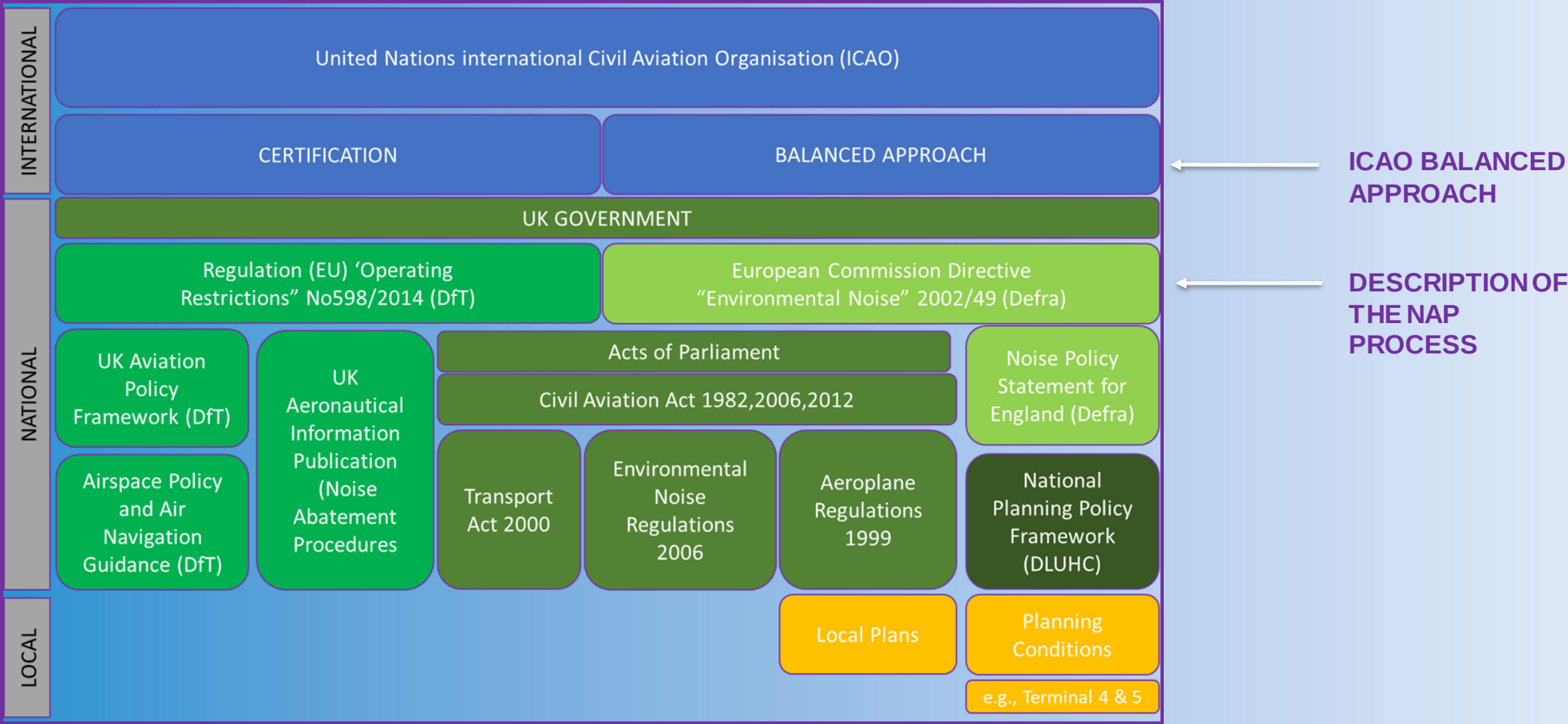
Busiest Year – 2019 – 475, 874 ATMs

Google Earth

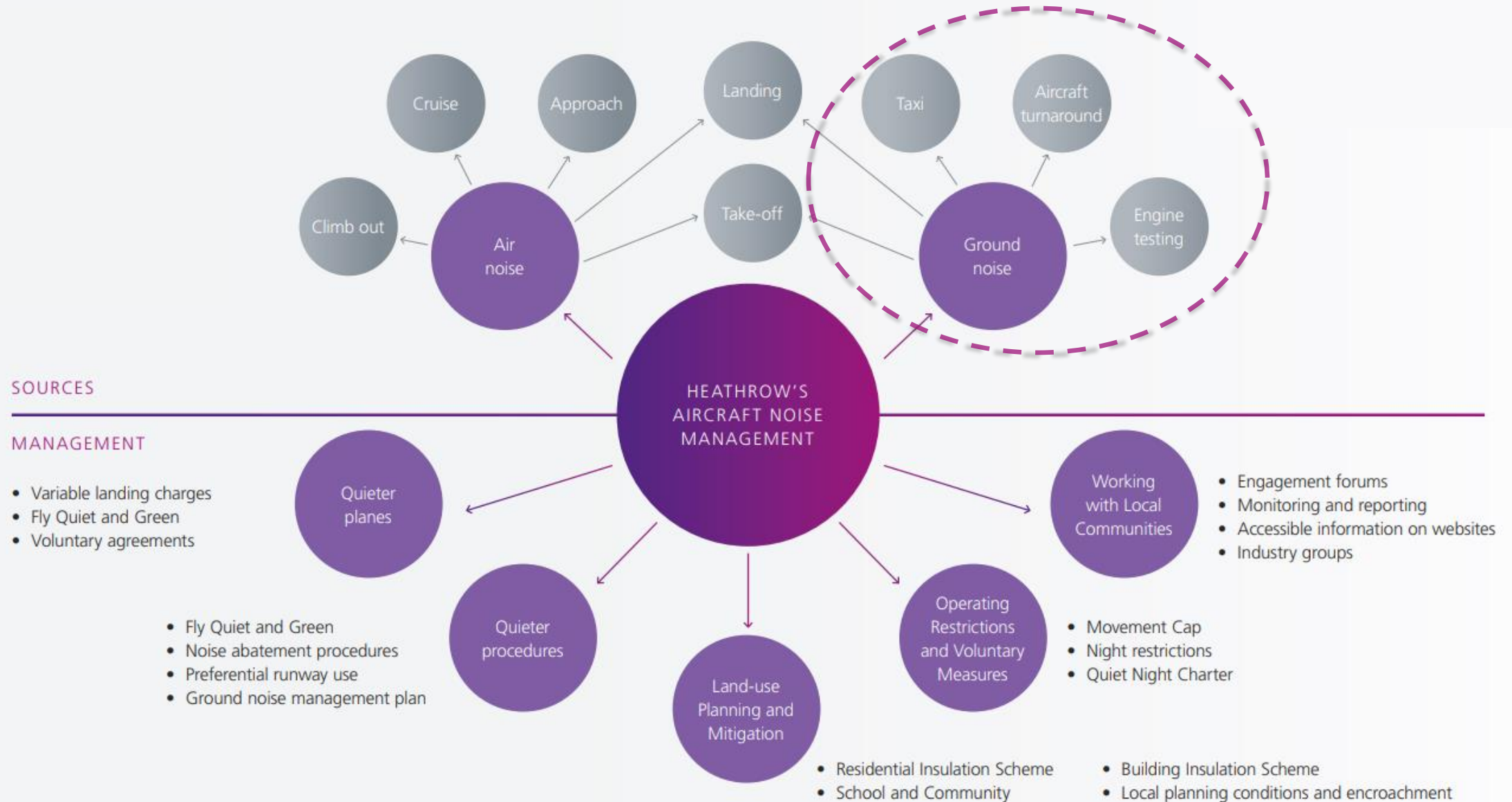
1 - Setting The Scene – A Typical Westerly Day



3 – LEGAL FRAMEWORK

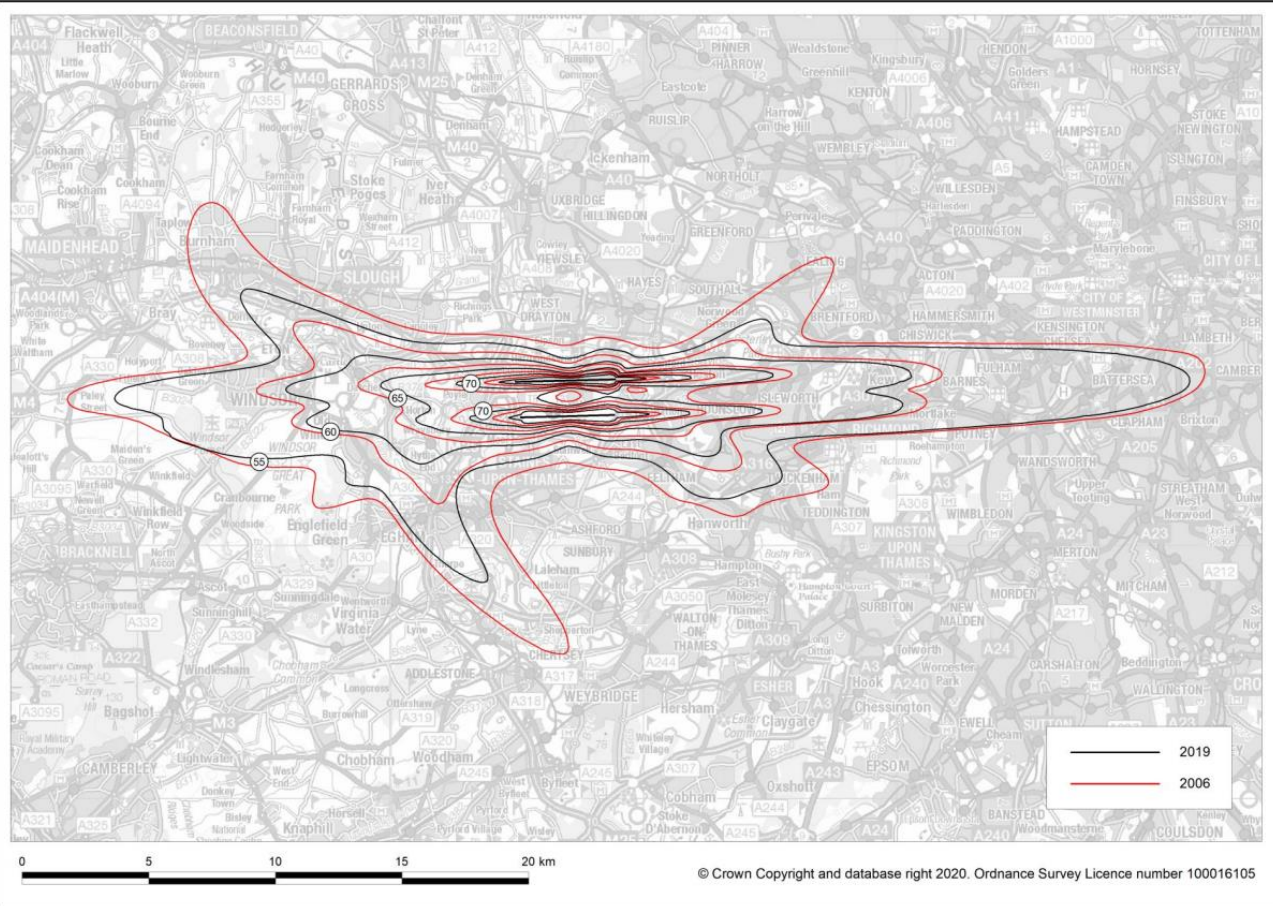


4 – HEATHROW NOISE MANAGEMENT FRAMEWORK

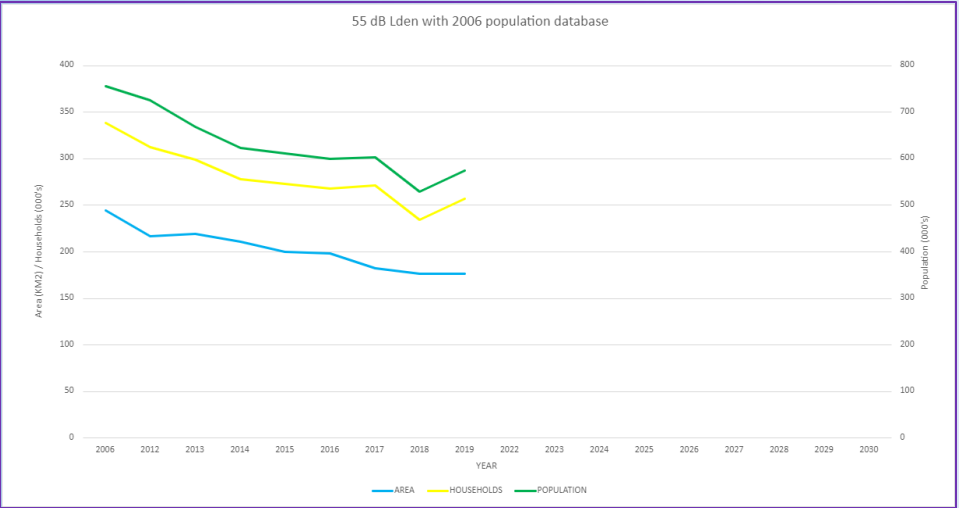
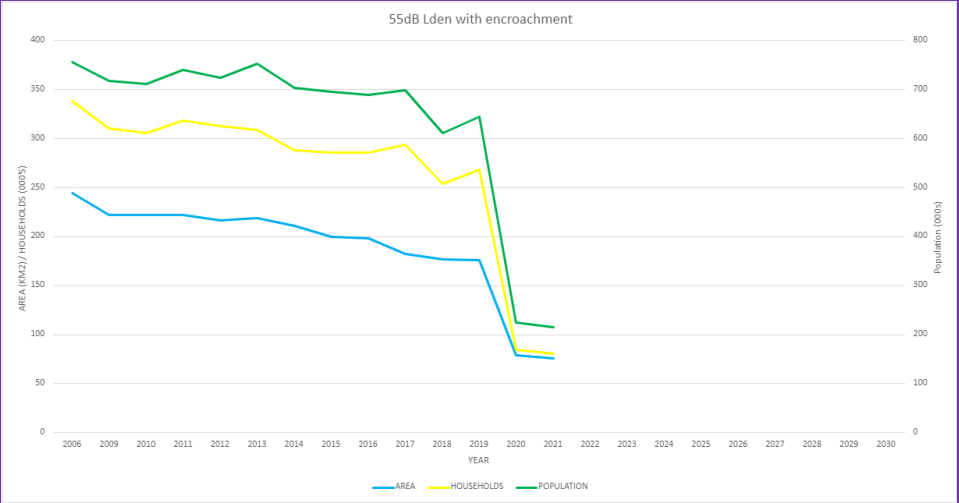


5 – DATA TRENDS – POPULATION WITHIN THE 55dB L_{den} CONTOUR

Figure B25 Heathrow 2019 and 2006 L_{den} noise contours (assuming 2006 runway modal split and 2006 N-S runway usage)



Note: 2006 L_{den} modal split was 70% W / 30% E.



Because of the actions taken under previous action plans the size of the noise contour has reduced, resulting in less people being exposed to levels above 55dB L_{den}. Population growth and new household development have reduced the impact of the noise reductions over that time period.

6 –THE NAP PROCESS

Overview of DEFRA requirements for NAP (Environmental Noise Regulations 2006/2238)

- Airport description covering noise sources, authority, legal context
Summary of noise mapping for 2021 [with 2019]
- Evaluation of number of people exposed, problems and situation to be improved
- Record on consultations
- Noise reduction measures – current and in preparation
- 5-year action plan and long term strategy
- Financial information
- Provisions for evaluation of implementation and results of the NAP



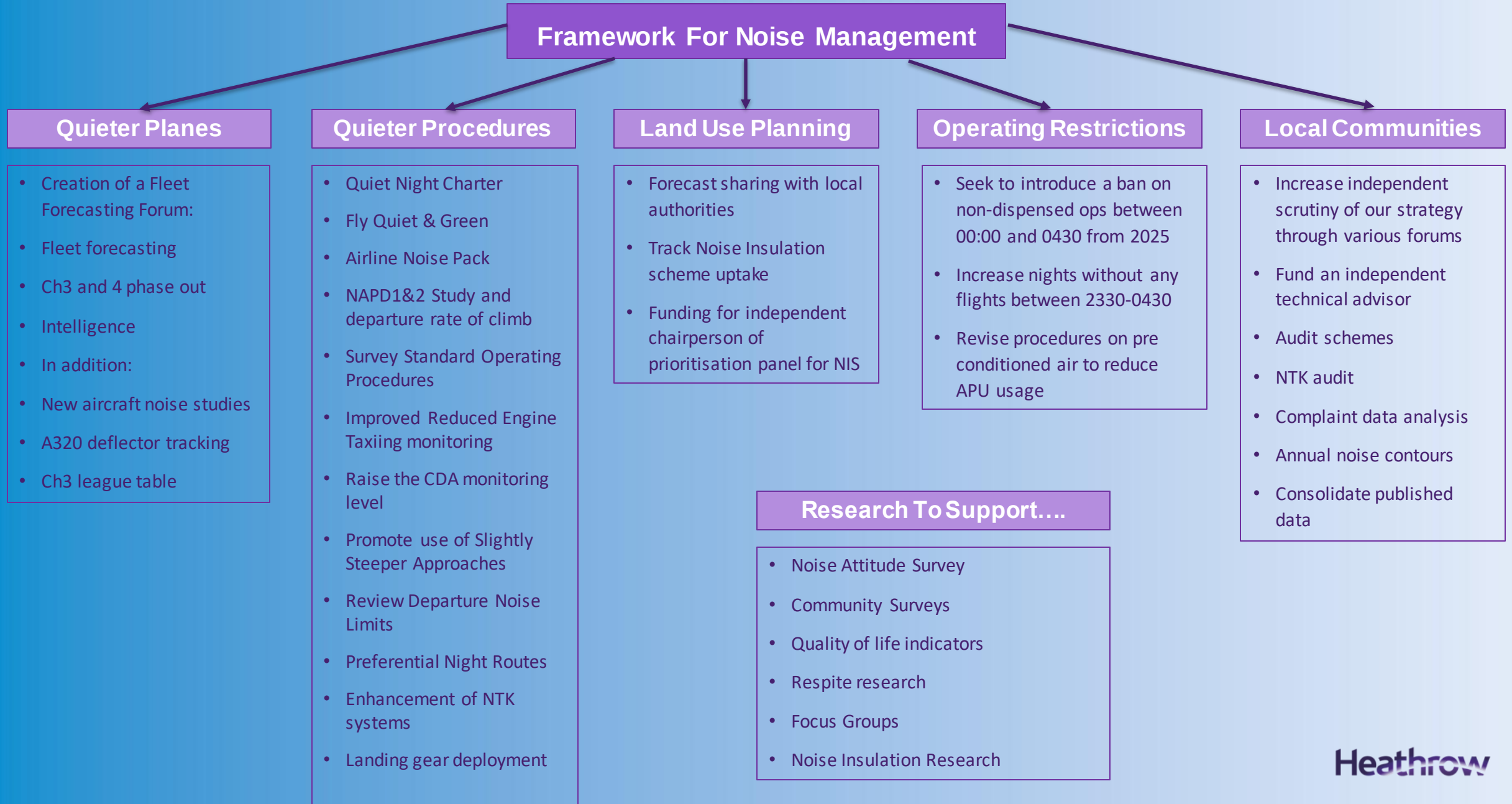
Department
for Environment
Food & Rural Affairs

Airport Noise Action Plans

**Guidance for Airport Operators on how to revise
Noise Action Plans under the Environmental
Noise (England) Regulations 2006 (as amended)**

September 2022

7 – HEATHROW KEY NOISE ACTIONS PROPOSALS



8 – NAP DRIVES INNOVATION (AND BUDGETS!)



Landing Gear Detection

Fly Quiet and Green League Table

Night Alternation Trial

Technical Engagement Forums

Heathrow
Fly quiet and green

HOME ABOUT THE LEAGUE TABLE HOW WE CALCULATE FLY QUIET ARCHIVE

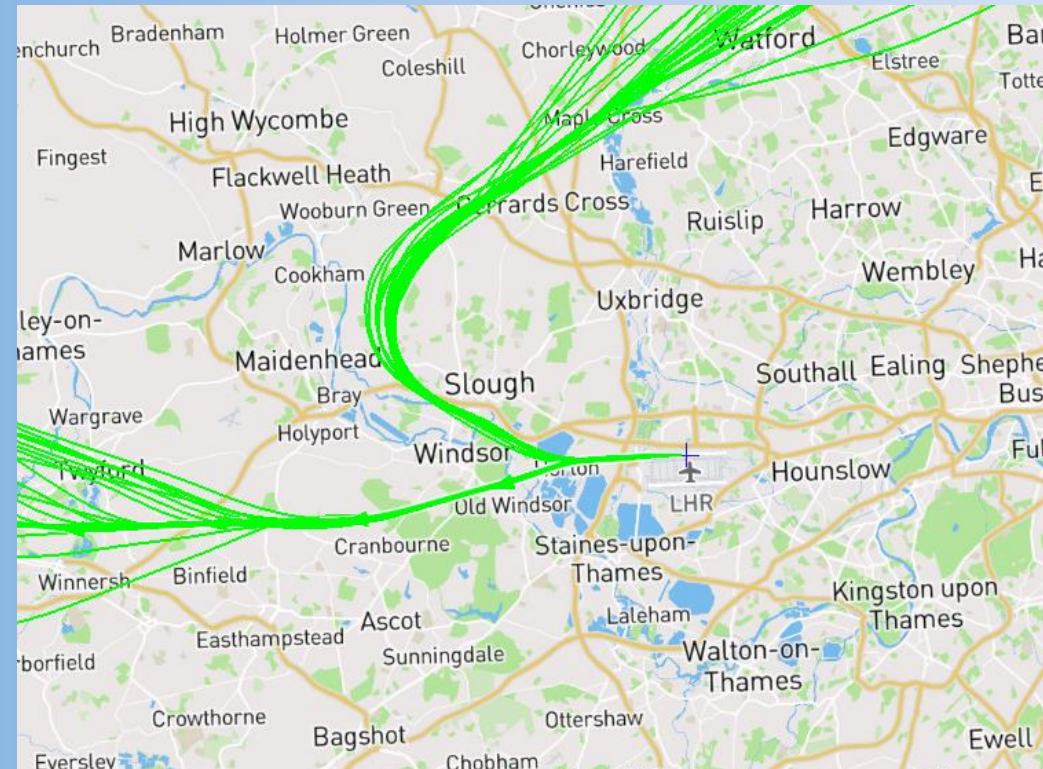
The League Table

Q4 2019

Airline	Score
1. Scandinavian Airlines System	954
2. Air Malta	934
3. Oman Air	900
4. Aer Lingus	896
5. British Airways - short haul	889
6. Air India	883
7. Finnair - short haul	869
8. Flybe	865
9. United Airlines	864
10. Singapore Airlines	856

League tables

2019
2018
2017



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