

# NACF - 27<sup>th</sup> September 2023 – Rob Buick - HCNG

- Main agenda item for today: Deep Dive: Health Impacts
  - ‘Current understanding of aviation noise impacts on health from scientific research – Ben Fenech (UK Health Security Agency)’
- But what about the financial costs?

# Aviation Externality Costs

## The Costs Not Borne by the Aviation Industry

# The Social Cost of Aviation Noise

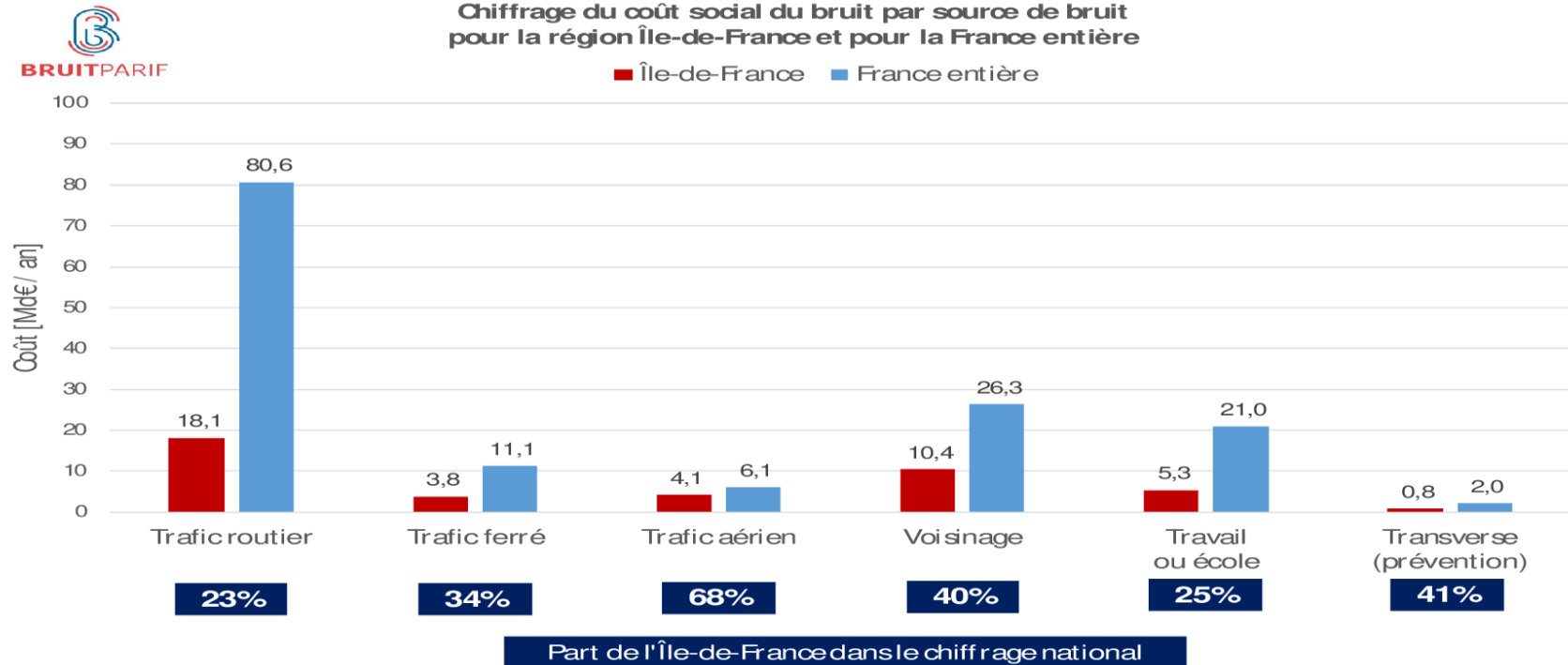
- These are costs borne by the population and society as a whole and includes:
- Health Costs
- Non-health Costs
  - Productivity Costs
  - Property Depreciation

# The Social Cost of Aviation Noise

- In France the Social Cost of Aviation Noise?
- Total €6.1 billion/year - [France Report](#) - [France Synthesis](#)
- €4.1 billion/year - [webpage](#) - [Paris Report](#) [Paris Synthesis](#) - Paris airports [Ile-de-France](#)

# France Noise Costs Chart – Paris

€4.1billion/year - [webpage](#)



The Social Cost Of Aviation Noise. Rob Buick (Englefield Green Action Group). Noise and Airspace Community Forum 27/09/2023.

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# The Social Cost of Aviation Noise - Heathrow

- More people significantly affected by aircraft noise live under the Heathrow flight paths than the next five noisiest European airports combined – CAA
- 28 per cent of all people in Europe affected by aircraft noise live under the Heathrow flight paths - [link](#)
- Heathrow Health Costs £
  - £?/year
- Heathrow Non-health Costs
  - Productivity Costs
  - £?/year
  - Property Depreciation
  - £?/year

Heathrow Noise Total Costs £?/year

# Heathrow Noise Health Costs?

## Negative Financial Impacts of Heathrow Noise per annum (based on DfT TAG approach)

£, pa	Defra 2014	WHO 2018
Annoyance	294m	860m
Sleep Disturbance	292m	818m
Other Health Impacts (Estimate) incl dementia, strokes and heart attack	150m	150m
<b>Total</b>	<b>736m</b>	<b>1,828m</b>

### Heathrow negative noise impacts range from £0.75bn to £2bn per annum

Passengers should be paying between £10 to £25 noise pollution surcharge to use Heathrow

# Heathrow Noise Non-Health Costs?

- Heathrow Non-Health Costs
  - £??



# Questions and Answers

- What are the Aviation Noise Externalities Financial Costs in the UK cf France?
- What are the Aviation Noise Externalities Financial Costs around Heathrow cf Paris?
- ?

# References

- <https://www.bruitparif.fr/le-cout-social-du-bruit/>
  - <https://tinyurl.com/27cwvej2>
  - <https://tinyurl.com/2wxfdsxv>
  - <https://en.wikipedia.org/wiki/%C3%8ELe-de-France>
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