



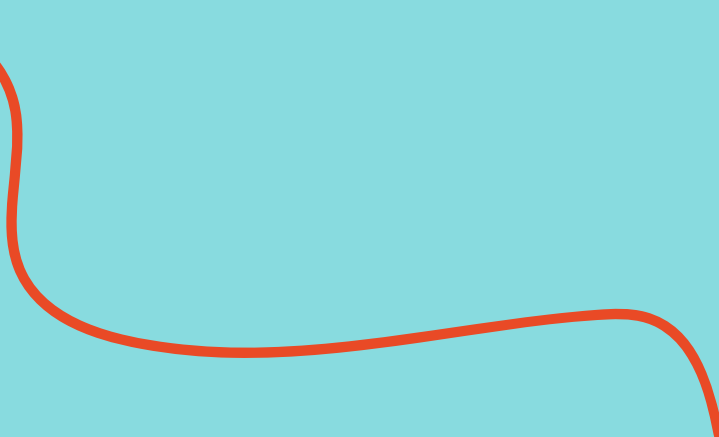
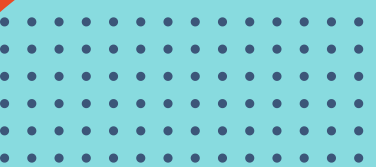
# WHAT ARE THE MAIN CHALLENGES AND OPPORTUNITIES FOR REDUCING THE CLIMATE IMPACT OF AVIATION IN THE NEXT 15 YEARS?

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**When?** 3hour workshop in November 2023

**Where?** Bristol Aerospace Museum

**Who?** 31 Bristol-based workers and students





# The Advisory Group

The Advisory group included representatives from Royal Aeronautical Society, Manchester University, Bristol University and those working in aviation.

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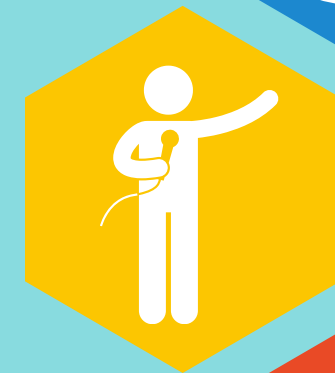
We had four meetings with the Advisory Group from July to December 2023.



**Calling Question**



**Recruitment**



**Speaker Selection**



**Design**



**Reflection**

# RECRUITMENT

## Gender

77% Men  
20% Women  
3% Non-Binary



## Student / Worker

29% Students  
71% Workers



## Age

45% 18 - 24  
19% 25 - 34  
17% 35 - 45  
19% 45 - 64



## Place of Employment

32% Airbus  
26% Rolls Royce  
19% University of Bristol  
23% Other



## Ethnicity

23% Asian, Asian British, Asian Welsh  
7% Black, Black British, Black Welsh,  
Caribbean or African  
47% White  
4% Mixed or Multiple Ethnicities  
19% Other Ethnic Group



## Climate Perspective

54% Very concerned  
32% Fairly concerned  
7% Not very concerned  
7% Not at all concerned



# HOW DID THE PROCESS WORK?



## Ideation

Participants shared their perspectives and experiences about the opportunities and challenges in reducing the climate impact of aviation over the next 15 years.



## Information

Participants heard from three industry experts who shared their insights on the sustainable future of aviation. The speakers presented a variety of perspectives.



## Deliberation

Participants drew from their initial ideas alongside insights shared by speakers to develop questions to be explored in a future deliberative process on sustainable aviation within the industry.

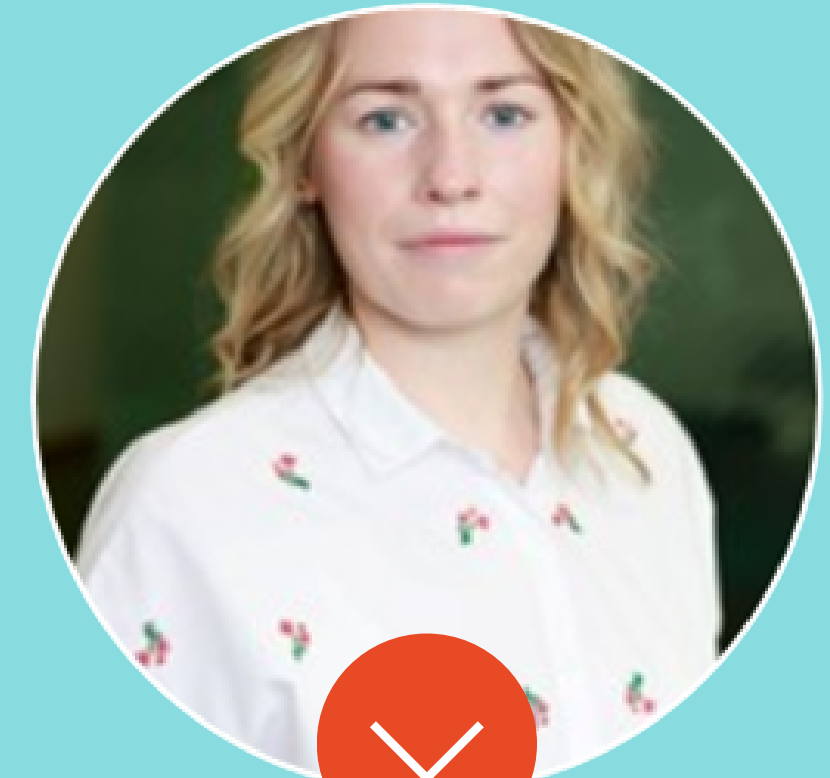
# THE SPEAKERS



**Solange Baena**  
Sustainable Aviation

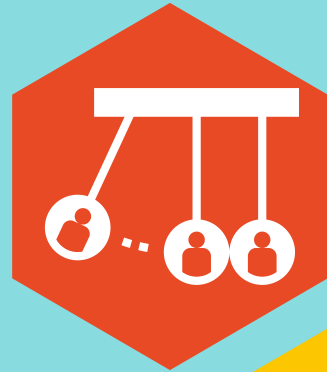


**Tim Johnson**  
Aviation Environment  
Federation



**Rose Armitage**  
Climate Change  
Committee

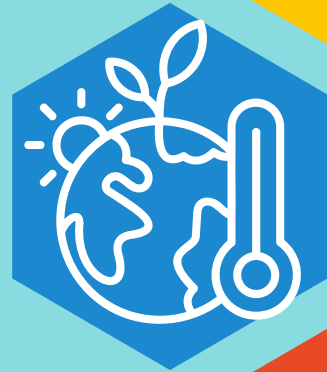
# Questions for an in-depth conversation about the sustainable future of aviation



To what extent do our solutions consider the constraints, compromises and aspects of aviation as well as the impact on stakeholders?



What should be targeted areas of focus of investment (design, manufacturing, R&D) and the role of collaboration in progression forward?



Is it possible to meet climate targets without demand reduction and, if not, how would this be achieved equitably?



How do I know which decarbonisation-themed activities to prioritise?



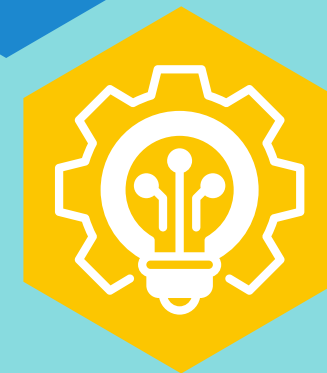
What would drive aviation workers to commit to change?



Should companies share technologies within the industry to further sustainability?



How confident are we that new tech (like SAF, hydrogen) can meet demand?



What practical steps can aviation workers take in order to decarbonise?

# Participant Messages



***Big decisions need to be made if we are to avoid climate breakdown, and the longer these are postponed the bigger they have to be***

*Involve employees in big decisions*

***Quicker, more uncomfortable changes in aviation might be necessary in order to gain the results we require to prevent climate change***

*Really a safe place to share our opinions and feelings about the climate change crisis, good ideas discussed*

***Our future will be determined by how we are perceived by the public. We need to manage this so that our efforts are understood***

*It was very worthwhile and a rare opportunity to make our collective opinion known*