

10 June 2021

FACC members

AN EMISSIONS REDUCTION PROPOSAL FOR PRIVATE JET OPERATIONS AT FARNBOROUGH

THE BASIS FOR FACC ACTION

From the FACC website, 'The Role of the FACC Committee Membership' (<http://www.facc.org.uk/role.htm>):

'FACC seeks to reach a common understanding between the various interests about the nature and operation of the airport so that issues can be resolved amicably.'

From the FACC Constitution:

'2. Purpose.....

C. To consider questions concerned with (i) the operation, management and development of the aerodrome in the light of their effect on the locality and, where possible, to agree solutions'

THE NEED FOR URGENT ACTION

"It's the number one issue facing humanity....Climate change is the existential threat to humanity. Unchecked, it is going to actually bake this planet. This is not hyperbole. It's real. And we have a moral obligation."

President Joe Bidenⁱ

"We can use scientific advances to protect our entire planet, our biosphere, against a challenge far worse, far more destructive, even than coronavirus and, by the Promethean power of our invention, we can begin to defend the Earth against the disaster of global warming."

Prime Minister Boris Johnsonⁱⁱ

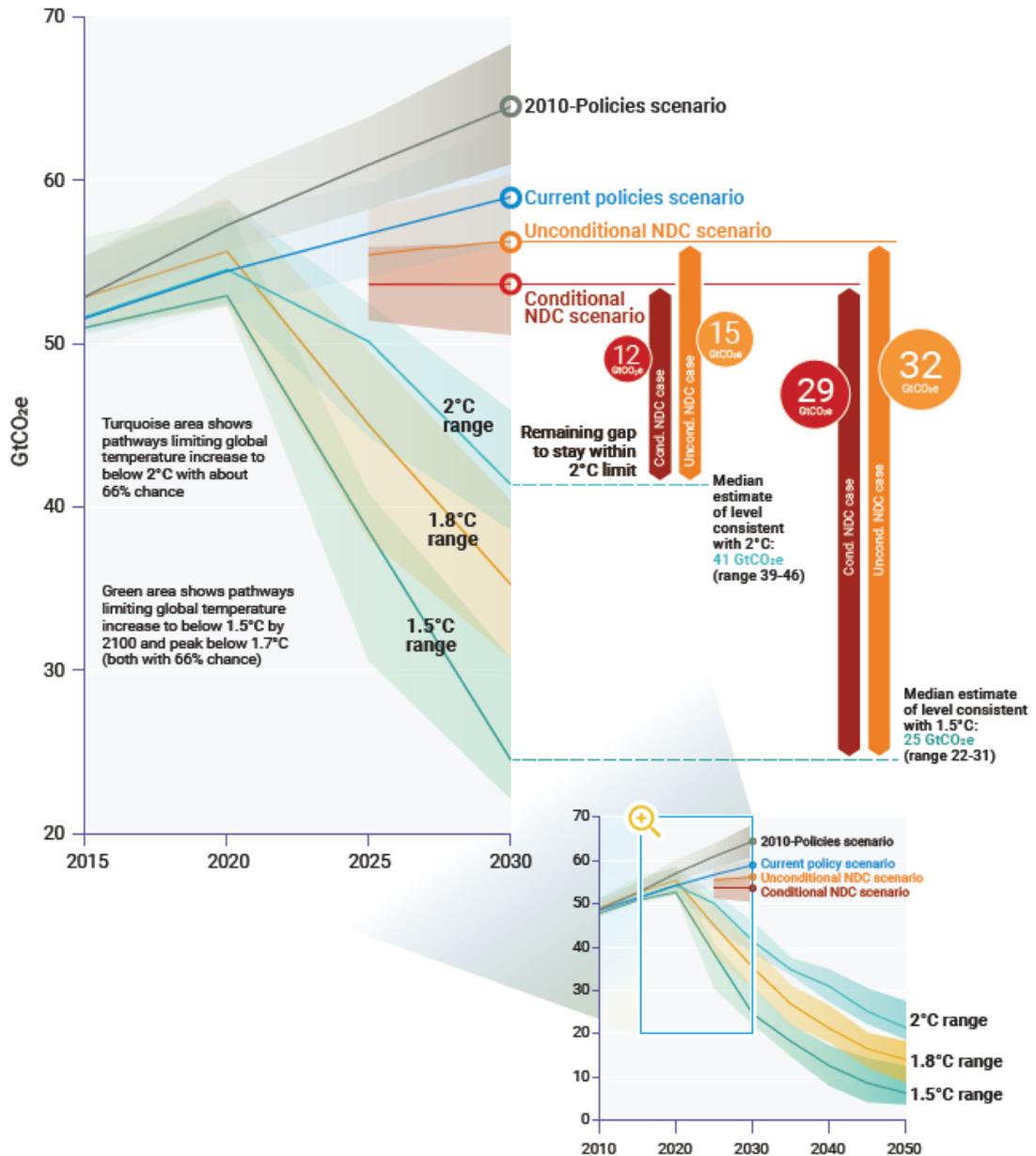
The Scale of Required Actionⁱⁱⁱ

'In model pathways with no or limited overshoot of 1.5°C, global net anthropogenic CO2 emissions decline by about 45% from 2010 levels by 2030.'

UN IPCC

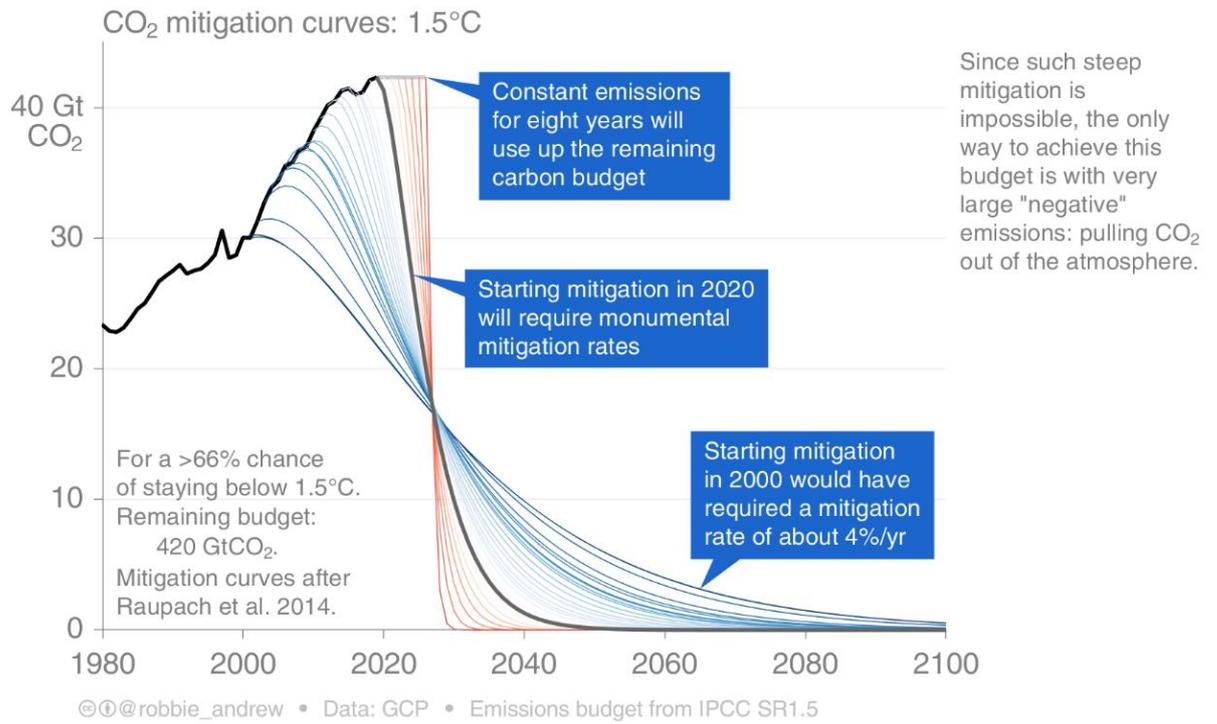
The Emissions Gap^{iv}

Figure ES.5. Global GHG emissions under different scenarios and the emissions gap in 2030 (median and 10th to 90th percentile range; based on the pre-COVID-19 current policies scenario)



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Getting Off the Curve^v



THE PROPOSAL

1. Core Proposal.

By 2030, reduce emissions from fuel sold by FAL to aircraft operators at FAB by a minimum of 45% against its 2010 baseline (the 'Reductions').

- a. See Annex A for an example of emissions reduction calculations.
- b. No form of offset may be counted towards the Reductions.
- c. No form of biofuel may be counted towards the Reductions.
- d. Synthetic or hydrogen fuel produced using verified green electricity can support the Reductions.
- e. FAL to employ the Science Based Targets (SBTi) Business Ambition for 1.5°C Commitment protocol in achieving the Reductions (<https://sciencebasedtargets.org/>). It should utilise Option 1, should not utilise the Small and Medium Enterprise (SME) option and should include an appropriate science-based Scope 3 emissions reduction target as a seller of fossil fuel for 2030.
- f. FAL and RBC to enter into a further S106 Agreement to give legal effect to the core proposal.

2. Climate Change Working Group (CCWG). Set up an FACC working group to review and report on:

- a. FAL's response to the climate crisis in general and mechanisms to achieve this proposal specifically.
- b. Models to support future emissions reductions including a low occupancy model, restricting landing times for aircraft with low passenger numbers and agreed reductions in the permissible volumes of aviation fuel to be sold over time.
- c. The most appropriate content for the Farnborough Airport Climate Appeal (FACA) – see below.
- d. The use of a Citizens' Assembly to consider and endorse appropriate emissions mitigation measures developed by the CCWG.

3. Farnborough Airport Climate Appeal (FACA).

- a. The FACA is a direct written appeal by the FACC to users of private jets at Farnborough.
- b. It will summarise the scale and urgency of the climate crisis, the role of private jet emissions in exacerbating the crisis and request that users minimise their emissions over the next decade.
- c. FAL is requested to facilitate distribution of the FACA to all fare-paying passengers via aircraft operators.
- d. FAL is requested to report on compliance with para 3c.

4. Transparency and Accountability Measures.

- a. FAL to calculate emissions from fuel at FAB sold monthly and report to each FACC.
- b. FAL to report to each FACC its progress in accordance with the SBTi protocol.
- c. FAL to publish annually the assessed impact of the Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA) on flights to and from Farnborough in conjunction with aircraft operators.

- d. FAL to make clear on all publications in which it refers to Farnborough Airport as a 'global sustainability showcase for airports' that:
 - i. emissions from all aircraft using the Airport are not taken into account in any such claim
 - ii. its 'sustainability' is based, in part, on offsetting.
- e. FAL to report to each FACC its anonymised O&D and frequent flyer data.
- f. FAL to report general passenger data to FACC following the template for data compiled by commercial airport operators and reported to CAA.^{vi}
- g. FACC to add a section to its website page 'Environment' entitled 'Climate Change' to publish all relevant data and documents including, *inter alia*, emissions data, all emissions mitigation strategy documents, progress towards emissions reductions and the distribution of the FACA.

ANNEX A: EXAMPLE EMISSIONS REDUCTIONS CALCULATIONS

| Year | 2008 | 2010 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 |
|------------------------------|-----------|----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | Baseline | | | | | | | | | | | |
| | | Year | | | | | | | | | | | |
| Actual | A | A | A | E | E | E | E | E | E | E | E | E | E |
| Annual movements | total | 25,504 | 23,511 | 20,757 | | | | | | | | | |
| | A | Pro rata | Pro rata | | | | | | | | | | |
| Estimated CO2e with RF of 4x | 1,071,480 | 940,430 | 830,271 | 898,110 | 855,791 | 813,472 | 771,152 | 728,833 | 686,514 | 644,194 | 601,875 | 559,556 | 517,236 |

REFERENCES

ⁱ Podcast 'Pod Save America' with CNBC, 24 Oct 2020.

ⁱⁱ Speech 12 Dec 2020 (<https://www.independent.co.uk/climate-change/news/boris-johnson-climate-change-coronavirus-b1771105.html>)

ⁱⁱⁱ Para C.1, Summary for Policymakers, IPCC Special Report: Global Warming of 1.5°C, 2018 (<https://www.ipcc.ch/sr15/chapter/spm/>)

^{iv} Page XX, UN Emissions Gap Report 2020 (<https://www.unep.org/emissions-gap-report-2020>)

^v Robbie Andrew, CICERO: https://folk.universitetetioslo.no/roberan/t/global_mitigation_curves.shtml

^{vi} <https://www.caa.co.uk/Data-and-analysis/UK-aviation-market/Consumer-research/Departing-passenger-survey/2019-Passenger-survey-report/>