ICAO ENVIRONMENT

2023 ICAO STOCKTAKING AND PRE-CAAF/3 POLICY AND FINANCE CONSULTATION

11 to 13 July 2023
Montréal, ICAO Headquarters

ICAO 2023 STOCKTAKING

Antony Henderson
Head of SAF Strategy
UK Department for Transport

Supporting Investment in SAF: The UK Advanced Fuels Fund

UK Government Grant Funding and the Advanced Fuels Fund (AFF)

Context and Investments

£227m grant funding available since 2014 to advanced fuels

£165m AFF to support the development of commercial scale SAF plants

December 2022 – First round of **£82.5m** awarded to **5** winning projects

September 2023 – Second round of **£55.8m** will be announced

- **£289m in GVA to 2050**
- **308.9kt/y SAF**
- **200,000 tonnes CO_2e p/a**
- **26% of UK 10% 2030 target**

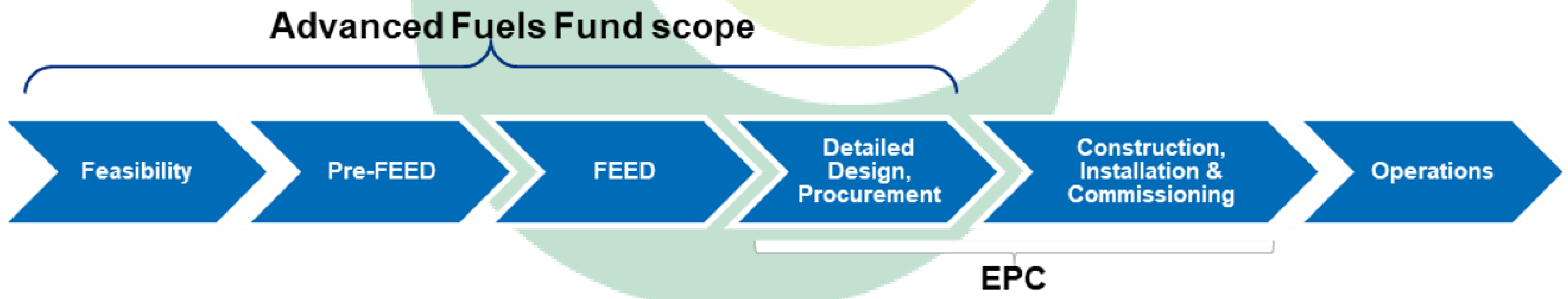
The Advanced Fuels Fund (AFF)

Objectives and Scope

Key objectives:

1. Kickstart the UK SAF industry with the commercial deployment of innovative fuel production technologies that are capable of significantly reducing near-term UK aviation emissions.

2. Broaden and strengthen the UK project pipeline, getting as many UK SAF projects as possible to an **"investment ready"** state.



3. Support the advancement of a diverse range of technology routes to SAF
4. Support our aim to have 5 plants under construction by 2025.

UK Grant Funding

Example Successes in Leveraging Finance and Support

£17m from the Advanced Fuels Fund

Converting black bin bag waste - gasification and FT.

April 2023 Major investment from Jet2 Airlines.

168kt of SAF over a 15-year period

£500k from the Green Fuels, Green Skies competition

Converting agricultural and waste wood from sustainable sources - HTL and hydrotreatment.

December 2022 project partners announced they would accelerate Project Speedbird

Expected **78kt/y** of SAF

£12m from the Green Fuels, Green Skies competition

Converting sewage sludge - pyrolysis, fermentation and Ethanol-to-jet (AtJ)

April 2023 £5m equity investment from Wizz Air

Supply up to **525kt** of SAF over 15 years

UK Clearing House

Testing New Advanced Fuels

Barrier: SAF must undergo rigorous, time intensive and expensive testing nationally and globally before being certified, which can delay entry to market and undermine investor confidence.

The UK Clearing House will co-ordinate testing and approvals to address these barriers.

Delivery Partners

University of Sheffield

RICARDO

Launch Summer 2023

Collaboration

Thank You

ICAO Headquarters
Montréal
European and North Atlantic (EUR/NAT) Office
Paris
Asia and Pacific (APAC) Sub-office
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Cairo
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