

The UK's Leading Aerospace Universities



“Advancing UK Aerospace Research through University Collaboration”

1. Providing a single point of contact for equivalent national bodies aerospace bodies operating in close proximity to the ATI, EPSRC and leading industry consortia.
2. Actively promote and engage with the global aerospace industry & develop/deliver excellent research.
3. Strengthen international collaborative research relationships.
4. Enhance a UK-wide infrastructure of integrated and world-class university strategic facilities.
5. Nurture the future aerospace technology skills base that aligns with priority needs.



Airplane



Airline



Airport



Airspace



Engagement Process – Enablement

- More Energy Efficient Aircraft – Brian Falzon/Jonathan Cooper
- Optimising Flight Ops – Antonios Tsourdos
- More Sustainable Manufacturing – Hans Sienz
- Optimising Ground Operations – Roger Gardner
- More Sustainable Through Life Engineering Services – Chris Bennett
- Alternative Energy Systems – David Grant/Hitendra Hirani
- Bio-Safe Flight – Tanja Siggs

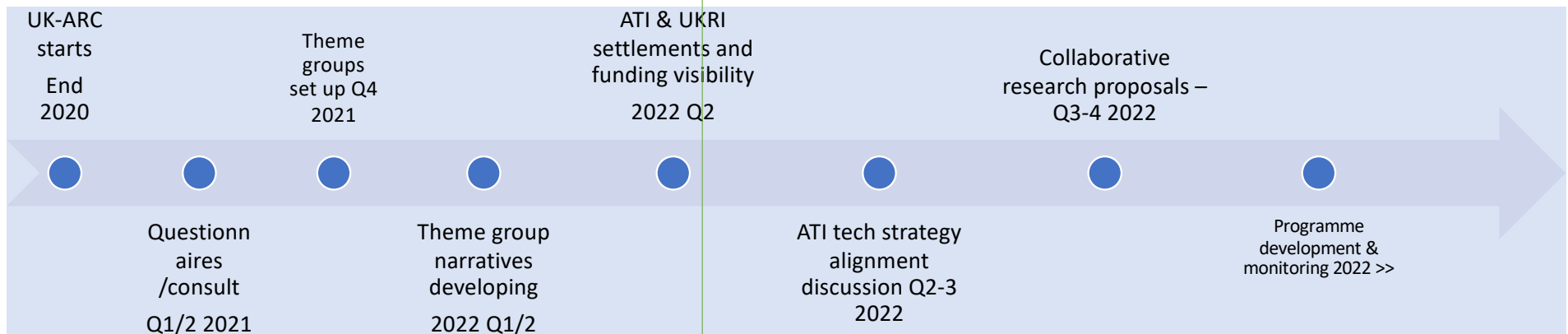


MARCH 2022

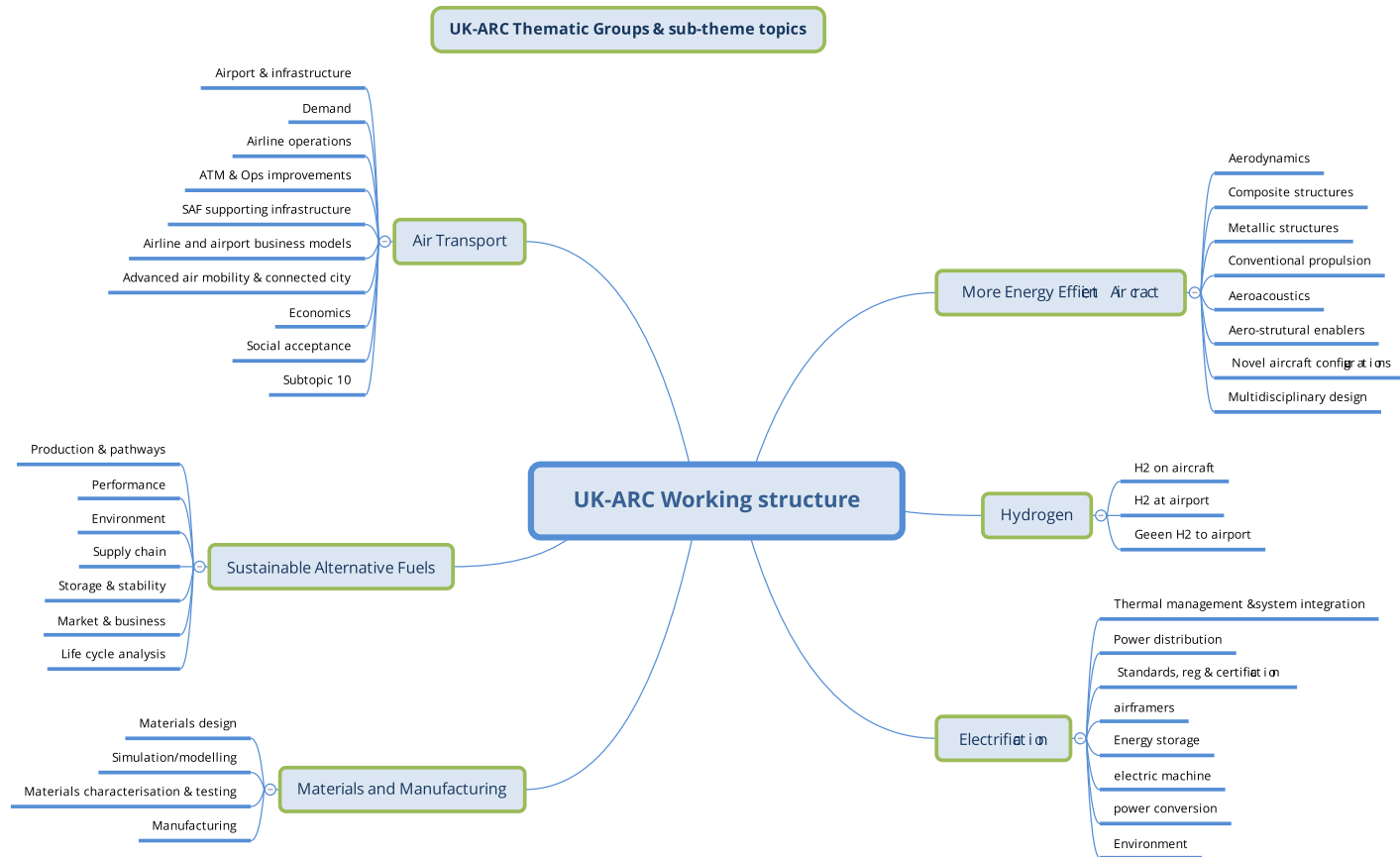
Integrated Aviation Systems Technology Vision & FlyZero



UK-ARC Aviation Climate Neutral Programme



Thematic structure





Progress

- FlyZero Project – 16 studies with UK-ARC universities - <https://www.ati.org.uk/flyzero-reports/>
- Govt spending review discussions to link with UKRI and ATI forward programmes >> coordinated proposals
- Support to UK Jet Zero Council on technology/operations and SAF strands
- Working on programmatic links between the science and engineering communities
- Ongoing university discussions to expand consortium
- Meet us at Farnborough International 2022 and ICAS 2022

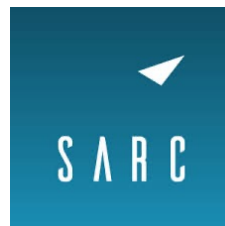
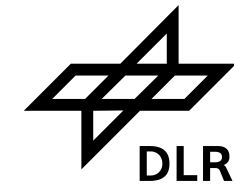


<https://www.ati.org.uk/news/one-stop-zero-carbon-emission-global-flight/>





International engagement





Ambition for links with US researchers

- Check on common purpose to foster innovation and research – net zero and digitisation
- Understand the respective national and industrial drivers and funding environments.
- Support international collaborative project development at the foundation and development research levels
- Explore opportunities for cross-fertilization of ideas and talent – UK-ARC secondments programme is open
- Consider initiating topic-specific events and workshops (virtual or physical)
- Explore and exploit networking opportunities

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