The 2013 Progress Report also covers the broad range of SA activities, undertaken collectively and individually by its signatories, in order to deliver progress against the SA Goals.

Highlights include:

- NATS’s 3Di Tool identifies variations in actual aircraft trajectories and routes, compared with an optimum profile, targeted to save 60,000 tonnes of CO₂ in 2015
- Manchester Airport’s Collaborative Environmental Management group has driven operational and environmental initiatives, including a 10% increase in Fixed Electrical Ground Power usage year on year
- Virgin Atlantic’s partnership with LanzaTech, a technology company which creates sustainable fuel from waste carbon monoxide gases, with a 60% lower lifecycle CO₂ footprint than conventional jet
- Using the very latest in aerodynamics, design and advanced technologies, the new Airbus A350 aircraft will provide a 25% step-change in fuel efficiency compared to its current long-range competitor
- The launch of the Rolls-Royce Trent 1000 powered Boeing 787 - at least 3dB quieter than the generation of aircraft it replaces, equivalent to halving the noise footprint
- With the CEOs of 13 companies, employing 80% of the airport’s workforce, Heathrow’s Sustainability Partnership launched a 27 point action plan echoing SA’s collaborative model
- The British Airways - Solena London Greensky project will turn 500,000 tonnes of residual waste into renewable low carbon jet fuel and road transport fuel
- Gatwick Airport published a 10 point Sustainability Action Plan: 10 ideas, and 10 years in which to achieve them

SA will continue its focus on reducing carbon and noise emissions from aircraft operations. Specific actions will include:

- Developing a Sustainable Aviation Fuels Road-Map
- Establishing and reporting on aircraft noise targets
- Promoting the use of improved technology and operational techniques
- Continuing to press for the development of a global emissions trading system
- Raising awareness of SA’s work and improving our relationships with stakeholders
- Developing strategies to maintain a sustainable aviation industry in response to changing external factors
- Providing regular updates on SA’s work programme through its website and stakeholder briefing sessions

SA looks forward to working with a wide range of stakeholders in delivering this future work, from both within and outside the aviation sector. If you would like to get involved or would just like to learn more, please contact:

E: info@sustainableaviation.co.uk
T: 020 7799 3171

www.sustainableaviation.co.uk
WHAT DOES THE ROAD-MAP SHOW?

The SA CO₂ Road-Map shows that, as well as meeting people’s increasing aspiration to fly, and helping the economy flourish through increased connectivity and trade, the aviation industry can also make major improvements in the carbon-efficiency of flying. Furthermore, this can be achieved with passenger numbers forecast to more than double by 2050, and with air freight – vital to the UK’s trade with emerging markets – expected to increase more than seven fold.

WHAT DOES THE ROAD-MAP SHOW?

The SA Noise Road-Map shows that, as well as meeting people’s increasing aspiration to fly, and helping the economy flourish through increased connectivity and trade, the aviation industry can also make major improvements in reducing the noise of flying. Furthermore, this can be achieved with passenger numbers forecast to more than double by 2050, and with air freight – vital to the UK’s trade with emerging markets – expected to increase more than seven fold.

SUSTAINABLE AVIATION: A UNIQUE ALLIANCE

Bringing together the UK’s airlines, airports, aerospace manufacturers and air navigation service provider, Sustainable Aviation (SA) drives a long-term strategy to deliver cleaner, quieter, smarter flying. SA is the first and only alliance of its type in the world, and reports regularly on progress in reducing aviation’s environmental impact.

This is Sustainable Aviation’s fourth Progress Report and summarises the work undertaken by SA and its members since 2011.

Over the past two years, SA’s focus has been on climate change and noise. This has resulted in detailed Road-Maps showing how future growth in UK aviation to 2050 can be accommodated without significant increases in absolute CO₂ emissions, and with reductions in noise output.

Other highlights include:

- Strengthened commitment and resourcing of SA
- Supporting the launch of, and committing to the implementation of, the UK aviation industry code of practice on ‘Reducing the Environmental Impacts of Ground Operations and Departing Aircraft.’
- Delivering further operational improvements to UK air traffic operations
- Publishing our latest position on sustainable aviation fuels
- Expanding SA’s engagement work within and beyond the aviation sector

The SA Noise Road-Map is published at www.sustainableaviation.co.uk

The SA CO₂ Road-Map is published at www.sustainableaviation.co.uk