

ACARE celebrates 75 years of Jet Engines in aviation

ILA, Berlin air show, 21st May 2014 – the Advisory Council for Aviation Research and Innovation in Europe (ACARE) on behalf of its aviation stakeholders throughout Europe today celebrated 75 years of Jet Engines in aviation and recalled the transformation that Jet technology has brought to air transport worldwide.

ACARE has two overarching aims - delivering Society's needs and securing global leadership which echo the top level objectives addressed by '**Flightpath 2050**', the long term vision, established by the High Level Group lead by the European Commission:

Mobility of passengers and goods is central to ensure economic welfare and with a growing economy, global demand for air transport will also continue to grow over the coming decades. In order to satisfying society's need for sustainable mobility, it is essential that travel is safe, secure, fast, affordable and environmentally responsible.

Maintaining global leadership for European aviation as one of the top five high-technology sectors in Europe will require all stakeholders to continue to invest in Research and Technology to provide innovative solutions needed for the future. Competition in this sector is fierce and increasing, not only from established regions but also from new, strong, challengers.

ACARE published a comprehensive strategic research and innovation agenda (SRIA), two years ago, that provides a roadmap to realise the challenging goals set by Flightpath 2050.

Environmental goals include, by 2050, to reduce CO₂ by 75% per passenger kilometer, noise by 65% and NO_x by 90%, all relative to the year 2000. The progress towards these goals will bring benefits not only on environment parameters but also contribute to economic aspects.

Engine technology contribution to these goals is critical and will build on the successful track record demonstrated over the last 75 years. Engine manufacturers are teaming up with academia, large national research organisations, customers and partners on a European and global scale in order to continue this progress towards the goals now set for 2050.

To maintain its **world-leading position and competitiveness** in a dynamic global market, Europe's aviation sector must be underpinned by a highly skilled workforce as well as world class capabilities and facilities in research, test and validation.

Stressing the need to decouple future air transport growth from noise Prof. Johann-Dietrich Wörner stated "We know that the Flightpath 2050 goals are very ambitious, but their realization will help the aviation sector and thus calls for action". Europe must lead the development of an integrated resilient air transport system that will meet the mobility needs of European citizens as well as the market needs with a substantial share for the development of new propulsion/engine technologies.

About ACARE

ACARE is a forum for Aviation stakeholders, which since 2000, has set the research agenda for delivering significant improvements in sustainable, reliable, affordable and passenger-friendly aviation. Significant progress has been made since 2000: new aircraft designs are quieter and burn less fuel per passenger kilometre which means lower emissions. ACARE has now set out challenging objectives for future decades in the European Commission's document *Flightpath 2050* which was published in March 2011. This new vision was developed by a High-Level Group for Aviation Research under the leadership of the European Commission.

With new membership, ACARE published the Strategic Research and Innovation Agenda (SRIA) in 2012 that provides the roadmap towards achieving the vision.

Visit the new [ACARE website](#)-
Read the [vision Flightpath 2050](#)

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