

# DECLARATION

## SIX MONTHS BEFORE COP21, THREE MAJOR FRENCH PLAYERS IN AIR TRANSPORT MAKE THEIR COMMITMENT KNOWN

### Introduction

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By signing this declaration, Aéroports de Paris, Air France-KLM and GIFAS (the French Aerospace Industries Association), three major French players in the air transport industry, reaffirm their shared desire to maintain and strengthen their long-term commitment to the fight against climate change.

Climate change will undeniably mark the history of our planet, and the latest report<sup>1</sup> from the IPCC (Intergovernmental Panel on Climate Change) has confirmed the extreme probability of the influence of human activity as a cause of the rise in average temperatures across the globe.

By connecting people, economies and cultures, air transport is a crucial driver of global socio-economic growth. Although it only contributes some 2% to man-made CO<sub>2</sub> emissions, the airline industry was the first to embark on the path of sustainable growth, based on a partnership between all the various stakeholders and public authorities.

In 2010 and 2013, the Assembly of the 191 States of the International Civil Aviation Organization (ICAO) adopted the outline of a policy that will enable international air transport to contribute to the fight against climate change, notably with:

- the objective of stabilising global emissions from aviation as of 2020, in the context of a forecast of annual growth in air traffic of close to 5% ("carbon neutral" growth)
- the development of a global programme of market-based measures to limit CO<sub>2</sub> emissions, to be presented at the 39<sup>th</sup> ICAO Assembly in September 2016.

To go further, the airlines, airports, and airframe and engine manufacturers belonging to the international Air Transport Action Group (ATAG) have proposed long-term objectives aiming for an even more ambitious reduction in emissions in CO<sub>2</sub> of 50% by 2050, compared to 2005 levels.

These objectives are based on technological advances, the use of sustainable alternative fuels, improving performance in flight operations, airport infrastructure and air navigation, and the implementation of global marketing measures. The air transport community is thus showing the way forward in complying with IPCC recommendations.

Aéroports de Paris, Air France-KLM and GIFAS are playing an active role in these advances and this new philosophy. Long committed to sustainable development and the fight against climate change, they are now working to reduce their environmental footprint through a quest for constant improvement and innovation. Coming together within the Council of Civil Aeronautics Research (*Conseil de la Recherche Aéronautique Civile* - CORAC), in partnership with the services of the State (Directorate General of Civil Aviation, relevant ministries), the National Aerospace Studies and

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<sup>1</sup> Fifth IPCC report, November 2014

Research Agency (Onera), the National Commercial Aviation Federation (*Fédération Nationale de l'Aviation Marchande* - FNAM), the Union of French Airports (*Union des Aéroports Français* - UAF), and the French Aeronautics and Astronautics Association, the signatories of this declaration are engaged together in the definition and implementation of major aims of research and technology for the preparation of future sustainable aviation.

In December 2015, the 21<sup>st</sup> Conference of the Parties (Paris Climate 2015 or COP21), under the auspices of the United Nations, will be hosted by France, a country engaged in the fight against climate change from the outset. The aim of the Climate Conference is to reach the most committed legally binding agreement possible for all the signatory countries, including the introduction of measures to contain the rise in temperatures to 2°C by 2100. The challenge is also to contribute to the progressive development of the world economy by adopting a low carbon economic model which is equally as competitive, while promoting innovation, growth and jobs.

For the specific case of international air transport, the responsibility for limiting or reducing greenhouse gas emissions is covered by the ICAO. The global market-based system due to take effect in 2020 will be delivered by the end of 2016. It aims to ensure equal treatment between operators, and should achieve the goal of carbon neutral growth from 2020.

By signing this declaration, Aéroports de Paris, Air France-KLM and GIFAS, three major French players in the air transport industry, reaffirm their shared desire to maintain and strengthen their long-term commitment to the fight against climate change.

## **1. Aéroports de Paris is committed to:**

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- ↳ Decreasing the per passenger CO<sub>2</sub> emissions of its airport infrastructure by 50% between 2009 and 2020<sup>2</sup>, while developing its traffic
- ↳ Improve energy efficiency by 1.5% per year over the period 2016 to 2020<sup>3</sup>, representing a reduction of some 15% between 2009 and 2020
- ↳ Ensure a 15% share of renewable energy in the overall consumption of the airports by 2020<sup>4</sup>

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<sup>2</sup> ACA 1&2 (direct and indirect emissions) / PAX emissions (traffic forecast 2020: 107.7 million passengers - source ERA3)

<sup>3</sup> Energy consumption of all ADP facilities except external units in MWh/m<sup>2</sup> net surface area. External units: vehicle charging stations, 400Hz sockets, 125A power sockets, ground support equipment chargers, to the extent possible based on existing counts

<sup>4</sup> Renewable energy production on the three main Paris airport sites + purchase of renewable heat / final internal energy consumption

## **2. Air France KLM is committed to:**

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- ↳ Reducing CO<sub>2</sub> emissions from its flight operations by 20% before 2020, compared to 2011 levels, expressed in grams of CO<sub>2</sub> / passenger / km
- ↳ Improving energy performance of its fixed installations by 2020 by 20% compared to 2011 levels, expressed as equivalent kWh/m<sup>2</sup>
- ↳ Mobilising all participants in the establishment of a biofuel subsidiary for the aviation industry in France and the Netherlands

## **3. GIFAS is committed to:**

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- ↳ Continuing its partnership with CORAC to bring about convergence in technological innovations so that new aircraft achieve a 50% reduction in CO<sub>2</sub> emissions by 2020 and 75% in 2050 (compared to 2000 levels)
- ↳ Supporting the objective of the European Commission for the production of two million tons of aviation biofuels in 2020, with accompanying actions and validation of the implementation chain
- ↳ Continuing to reduce the carbon footprint of their sites and their industrial activities at each stage of the business cycle, and involving the entire sector in this process

Conscious that the fight against climate change concerns everyone, countries and companies alike need to be innovative regarding environmental issues in order to help achieve the stated objectives. For these reasons:

***"I pledge to mobilise all Aéroports de Paris Group employees, in order to take the fight against global warming to the heart of our strategy. I am convinced that respect for the environment is a driving force for development and competitiveness. The Group reports annually on its commitments in a fully transparent fashion."***

Augustin de Romanet, Chairman and CEO

**Aéroports de Paris**

***"I undertake to offer our customers attentive, innovative and responsible travel. All Air France and KLM teams have long been committed to developing our business in a sustainable, environmentally-friendly manner. This is a major issue, which we intend to pursue as part of our Perform 2020 strategic plan."***

Alexandre de Juniac, Chairman and CEO

**Air France - KLM**

***"In the name of all the manufacturers belonging to GIFAS, I undertake to continue the strong mobilisation of all players in the fight against global warming, and to boost our research and development efforts towards improving the environmental performance of our products."***

Marwan Lahoud, Chairman

**Groupement des Industries Françaises de l'Aéronautiques et Spatiales (GIFAS)**