



## **FENYX research aircraft: capabilities and characteristics**

Ana Corrales, Jose Antonio Gómez, Jesús Ortiz, and Bartolomé Marqués  
INTA, Aerial Platforms for Research, Spain (ana.co.si@gmail.com)

An Aerial Research Platform (PAI) is a modified and instrumented aircraft for the collection of data from the Earth's atmosphere. It provides support for research into the field of atmospheric science, remote sensing and the development of instrumentation.

The FENYX Project intends to launch a new Aerial Research Platform, a high payload and long endurance aircraft with which gives continuity to the ICTS.

This work includes the main technical characteristics of the future aircraft, the modifications. Scientific instrumentation and cockpit configuration that will enable it to carry out the scientific campaigns that INTA participates, as well as the necessary steps to obtain the certification of the aircraft.