



Press release
Palaiseau
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Paris Air Show 2019: ONERA signs lots of international agreements

The 2019 edition of the Paris Air Show has been an opportunity for ONERA to meet with its international partners and to sign many scientific or technological research agreements: bilateral cooperation agreements or agreements within European associations. A look back at an eventful week:

- Signing of an MoU on cooperation in the field of aerospace-oriented artificial intelligence, with the German research centre DLR, a strong sign of both organisations' determination to spell out in detail the two countries' joint commitment to innovation. Researches would be structured around the exchange of doctoral students or postdocs, the creation of a joint chair on AI and the creation of a common laboratory.
- Signing of a scientific cooperation agreement with the Japanese research agency JAXA, also including the DLR, for the optimisation of helicopter rotors. ONERA and DLR, already partners in the Franco-German joint helicopter research programme, have therefore acquired a new, Japanese partner.
- Signing of a framework agreement with Canada's National Research Council (NRC). ONERA and NRC, which have already worked together on projects funded by the European Union, such as icing, wish to reinforce their cooperation in the field of civil aviation... No less than 10 topics are under discussion, with implementation due to start before the end of the year.
- Signing of a new agreement with NASA on the development of 3D modelling tools for the simulation of ice crystals at high altitude, an important issue for commercial flights. ONERA is thus consolidating its position as NASA's leading foreign partner.

- The 12 members of EREA (Association of European Research Establishments in Aeronautics) met to celebrate the association's 25th anniversary and to sign a joint declaration to defend a strong and concerted position of aeronautics research at the European level for the new period 2021-2027 (Horizon Europe).

- Concerning the future CleanSky3 programme, ONERA is one of the signatories to a letter of intent signed by industrial partners and some research institutions and associations (including EREA). This Act reinforces the coordination message desired by both research institutions and industrial players, emphasising the importance of significantly decarbonising aviation by 2050.

- Finally, ONERA's wind tunnel management took advantage of the unique setting of the Paris Air Show to make very fruitful contacts, which are bound to result in wind tunnel testing contracts for foreign customers in the near future.

"These numerous international agreements signed by ONERA during a Paris Air Show, which is exceptional in this respect, confirm ONERA's key role at the international level, as evidenced by the strong growth of the international activity in our 2018 financial results. Thanks to the work of our scientists, French aerospace research now plays a leading role worldwide," says Bruno Sainjon, CEO of ONERA.

About ONERA, the French aerospace research centre

ONERA, a central player in aeronautical and space research, employs around 1950 people. Under the auspices of the French Armed Forces Ministry, it has a budget of €236 million, more than half of which comes from commercial contracts. Expert for the State, ONERA prepares the defences of tomorrow, addresses the aeronautical and spatial challenges of the future, and contributes to the competitiveness of the aerospace industry. It masters every discipline and technology in the field. All the major civil and military aerospace programmes in France and Europe carry a part of ONERA's DNA: Ariane, Airbus, Falcon, Rafale, missiles, helicopters, engines, radars. Acknowledged worldwide and often award-winners, its scientists help to train many PhD students.

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