

# concerto

## Construction Of Novel CERTification methODs and means of compliance for disruptive technologies

### About CONCERTO

CONCERTO is an EU-funded project, under the Clean Aviation Programme. Its aim is twofold:

- to support with extensive and timely technical analysis and experimentations the elaboration of a comprehensive set of regulations, together with a preliminary description of methods of compliance applicable to the three "thrusters" of Clean Aviation,
- to assess the feasibility of a digital certification framework to support collaboration and model based certification.

Certification is expected to improve safety, while shortening time to bring new safe products to market and into service and maintaining European leadership and competitiveness. The outputs will be easily transposable and scalable to different product lines and aircraft segments such as general aviation, rotorcraft, business jets and commercial medium-long range, affecting the complete fleet.

Within CONCERTO, there is a collaboration between the major European OEMs (Dassault Aviation being the Coordinator of the project), Research Centers, SMEs, Academia and EASA.



#### Environment

Key enabler towards the reduction of emissions and the objective of climate neutrality by 2050



#### Competitiveness

Reduction of the development time and cost to introduce new products to the market



#### Socio-economic/cultural change

Creation of an ecosystem, by fostering networking, sharing common goals and developing synergies



#### International influence

Reinforcement of Europe's role as leader of worldwide new certification frameworks

Interfaces with  
- relevant projects or partnerships  
- the 3 main thrusts of Clean Aviation



Active Wing

High Voltage Distribution

Hydrogen Propulsion

1

2

3

Proofs of Concept

Digital certification framework

Virtual tools to improve efficiency of the certification process

Regulatory material



### OBJECTIVES



Safety objectives for applicable regulations



Risk analysis based on existing regulations



Inputs for future international regulations



Proof of concepts for disruptive technologies



Digital tools to support the certification process



Technical specifications addressing regulatory gaps



Transversal approach for certification of disruptive technologies



30% Time to Market reduction and cost reduction of certification



Synergies with activities funded under research and innovation programmes

### Our TEAM



### Connect with CONCERTO

[www.concertoproject.eu](http://www.concertoproject.eu)



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