



## THE PROJECT

VALORIE is a validation project under the umbrella of Clean Sky "Systems for Green Operations" Integrated Technology Demonstrator. Its aim is to validate novel on-board FMS functionality targeted for greener departures and cruise by the means of flight simulation. Lately, fixed-base simulation began to provide an equivalent means of certainty to real in-flight validation, with a substantially reduced cost and lack of safety risks.

The modelling of a broader operational environment that includes ATC, airports, CFMU, etc. can be well done by advanced simulation and gaming techniques. There is a mature methodology available

to do air transport industry-related validation, namely E-OCVM that can be used off-the-shelf for aviation-related operational validation.

However, validation is usually conducted by a group of experts coming from the same operator. This approach (governed by the fact that gathering experts from different employers is a challenging task) prevents the heterogeneity that would be by implicitly beneficial for the outcome validation. Experts doing their daily work in the same corporate environment are trained for the same company processes. This leads to similar approach to the validation subject and results in similar opinions at the end.



### PROJECT DETAILS

ITD Systems for Green Operations (SGO)  
Operational expertise for function definition and validation - support to experimentations

Grant Agreement N°: 325964

Title: Validate Operations to Reduce Impact on Environment

DOW ID: VALORIE

Issue - Date: 09/12/2013





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Being aware of the above-stated, VALORIE puts emphasis on increased heterogeneity of the expert group validating operational scenarios provided by SGO. This heterogeneity is ensured by the resources of the consortium that comprises different types of crew and ground staff profiles.

This approach will result in an added value generated by the synergy of opinions coming from experts working in the same field of air transport industry but being aware of different company practices and policies.



### PARTICIPANTS:



Avia Pro Solutions



Isdefe



Slot Consulting

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