MOISE project.

Models and Information Sharing for System Engineering in Extended Enterprise

Objectives: Define and validate a Collaborative Model-based approach for System Engineering (MBSE) in an Extended Enterprise context (EE)

7,7 M
euros

39
months

AIRBUS, AIRBUS DS, CHIASTEK, ESI GROUP, ESTEREL, KEONYS LIEBHERR, SAFRAN, SOFTEAM, SQUORING, THALES, ZODIAC AEROSPACE, ISAE, IRIT, LAAS-CNRS, ONERA (S/T)

Key Results

- ***Digital continuity for accelerating and extending the scope of Systems Engineering analyses across domains and stakeholders***
  → Teepee, proof of concept for a collaborative platform allowing the digital continuity despite heterogeneity in M&T.
- ***Consistency of System definition and Safety assessement*** → Synchronization process ensuring consistency of MBSE and MBSA models and associated analyses.
- ***From System Architecture to Co-Simulation*** → Method for deriving Co-simulation architecture from System Architecture, specifying the simulation components, assisting their integration and execution.
- ***Need elicitation with models*** → Method Allowing a complete, correct and unambiguous need elicitation thanks to MBSE. Implementation in Viewpoints in Capella. Validation on an Industrial Study Case in collaboration with LIEBHERR.
- ***Representative Study Case*** → AIDA, Drone for preflight inspection. Released under Open Source licence (CC)

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