

Collaboration Enablers in Aircraft Design

Institute of System Architectures in Aeronautics - DLR

1. Standardized Aircraft Data Format CPACS

More info at
cpacs.de

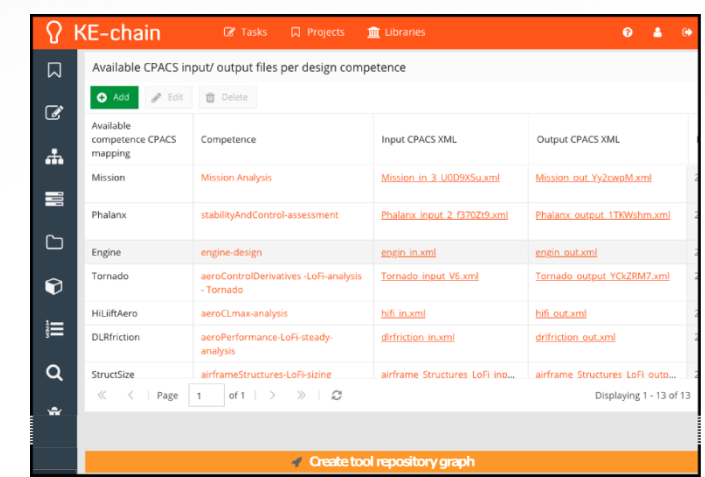
Parameterization of
aircraft & related data

Reduced number
of data interfaces

Used extensively by European
research centers and academia

2. Collaborative PDP KE-chain

Online platform for
access to project data

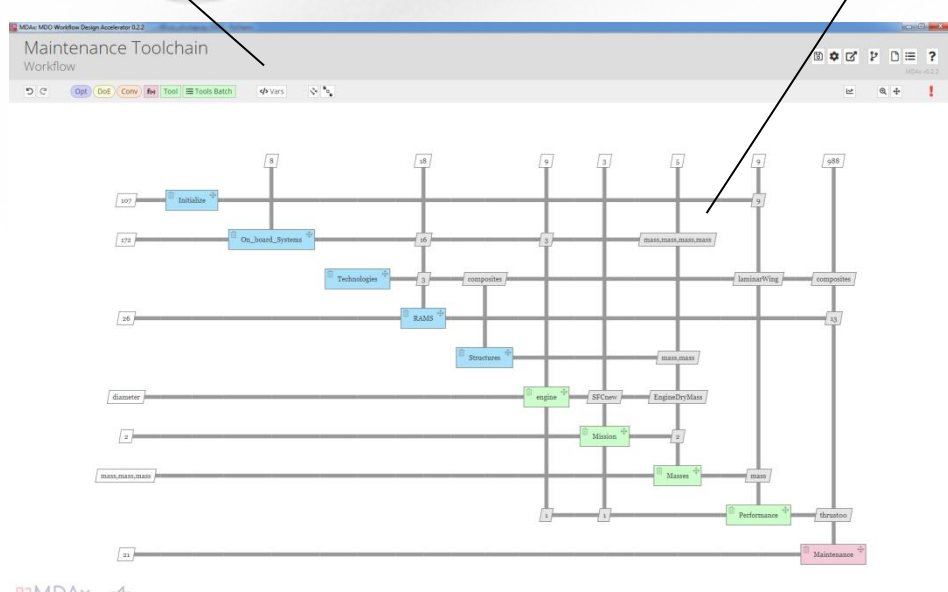


3. MDO Workflow Generator MDAx

Interactive definition of
MDAO method

Automated coupling of
tools based on specified I/O

MDAx
MDO Workflow Design Accelerator

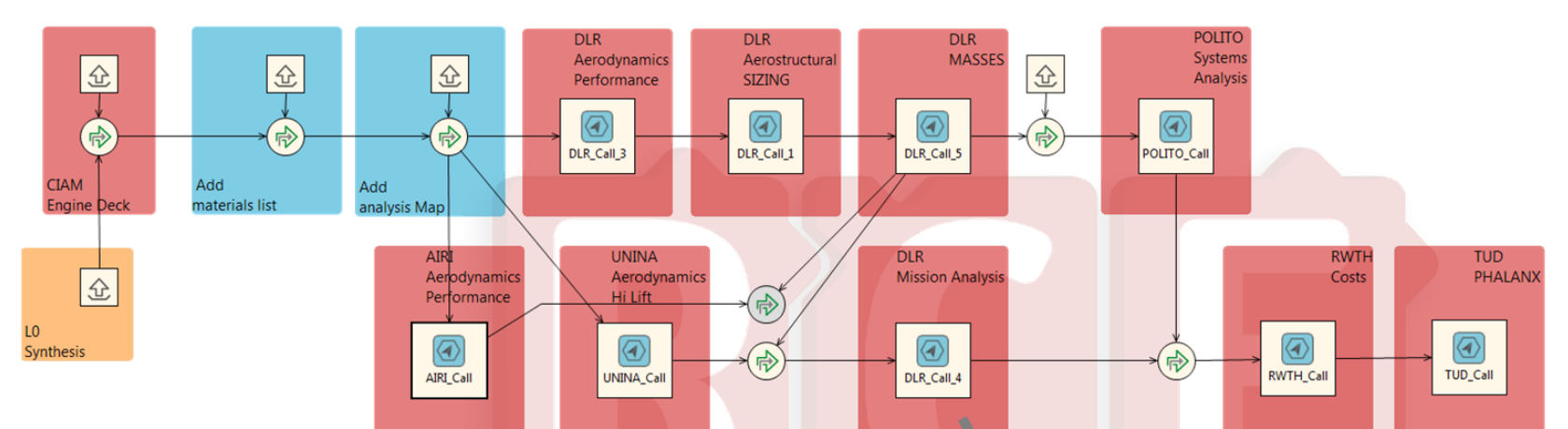


Enables **collaborative** exploration
and inspection of workflow

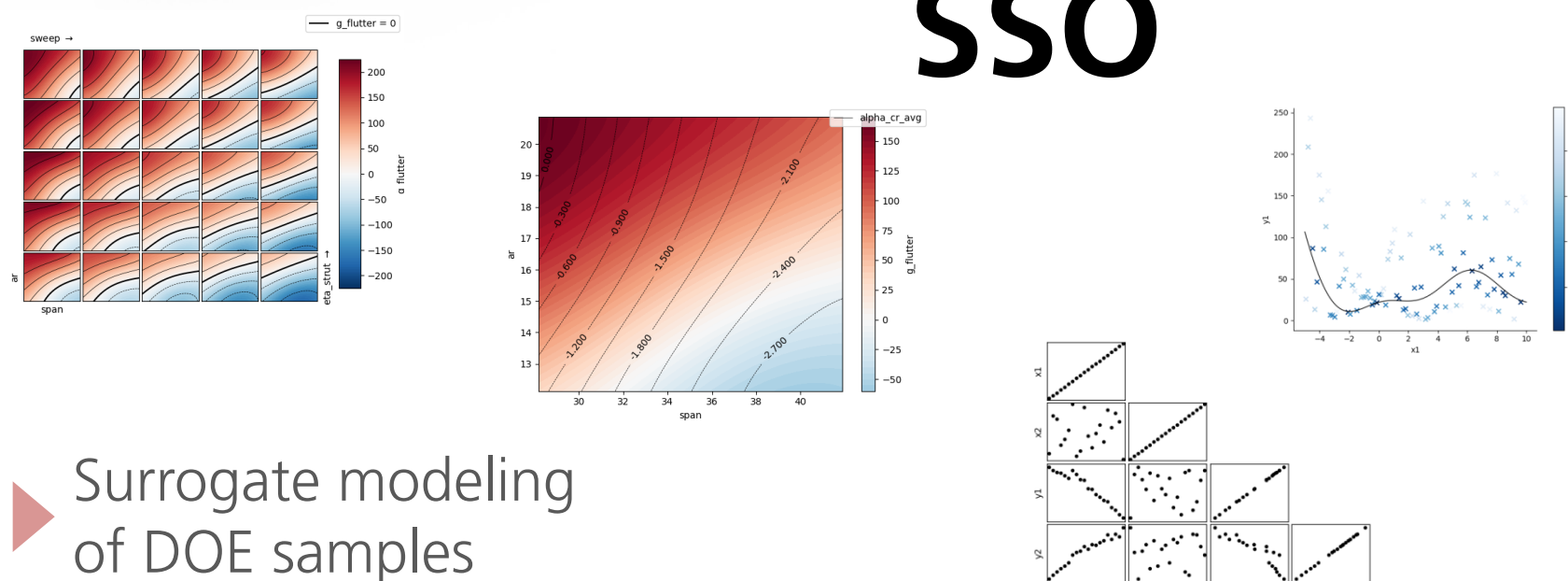
Export executable workflow
to integration environment

4. Integration Environment RCE

Executes tools locally or remotely
and handles data transfer

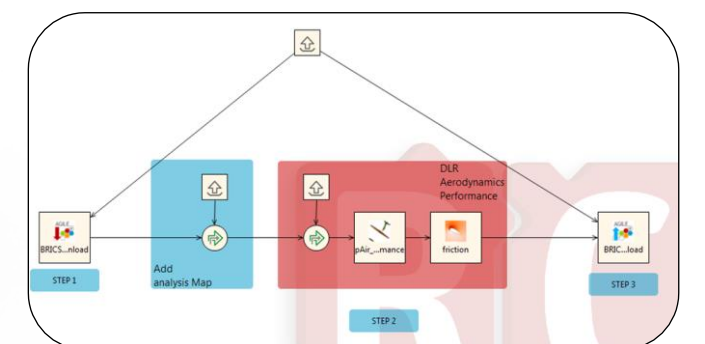


5. Results Exploration SSO



Surrogate modeling
of DOE samples

Remote execution of
tools using Brics



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