Assemble and Execute MDO Strategy
From XDSM to RCE workflow

XDSM representation in VISTOMS

- Assemble the design process in the integration platform
- Execute the obtained workflow
Process Orchestration: RCE Remote Component Environment

- Design Automation
- Workflow Orchestration
- DOE\Optimization\etc.
- Distributed architecture
- Developed @DLR
- CPACS handling features
- Open source: http://rcenvironment.de

Tools remain on owners' servers. Exchange of input and output in CPACS format via the network.

AGILE - The next generation of collaborative MDO
High number of connections among tools
Design Process Automation

High number of connections among tools

MDO Architecture

KADMSOS

AGILE - The next generation of collaborative MDO
Design Process Automation

- High number of connections among tools
- Change of tools and/or process architecture

BENEFITS

- Increases reliability of design process implementation
- Allows fast and fully automatic reconfiguration of the design strategy, according to changes in the MDO architecture or in the available tools
AGILE - Service Oriented Architecture

A workflow of “provided services”
- Each service @ Partner site\network
- Each service is a legacy process

AGILE - The next generation of collaborative MDO