1. Standardized Aircraft Data Format **CPACS**
   - Parameterization of aircraft & related data
   - Reduced number of data interfaces
   - Used extensively by European research centers and academia
   - More info at cpacs.de

2. Collaborative PDP **KE-chain**
   - Online platform for access to project data
   - Connection to workflow generator and export to integration environment

3. MDO Workflow Generator **MDAx**
   - Interactive definition of MDAO method
   - Automated coupling of tools based on specified I/O
   - 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
   - Remote execution of tools using Brics

5. Results Exploration **SSO**
   - Surrogate modeling of DOE samples

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