































MAO Software Challenges		
 Data Sto – Consi – Stand • \ 	 brage, Management, Communication stent information requires database storage and communication with disciplines ards will be required to drive this (e.g. <u>http://www.omg.org/</u>) /ehicle and Results databases used for: Model building Storing analysis results, history, gradients, approximations Communication with commercial systems (ODBC, SQL) a must 	
Full supp Appro C C C C C C Simp	boort for user defined design strategies, algorithms oximation strategies DOE, neural net, response surfaces, etc. Jse gradients and Hessians as available lify use of proprietary or other algorithms within commercial frameworks	
 Data Tra Units Geor Varia F 	nsformations , coordinate systems netric relationships ble relationships Parametric, DV linking	
4/14/04	Fenyes	



Summary		
We ha the -	 ave developed an MAO system for coarse balance and integration during e early vehicle development process which Enables use of math based decision tools for vehicle and architecture design Facilitates multidisciplinary analysis with consistent data Extends math based beyond engineering to manufacturing and business Provides consistent sharing of representation and analysis data through database Simplifies storage and access of analysis results through database and GUI Quantifies discipline consequences of design and architectural changes 	
Much	work remains !	
4/14/04	Fenyes	

