Modeling and CAPE-OPEN

How CAPE-OPEN technology may help in the development and maintenance of models?

CAPE-OPEN Laboratories Network



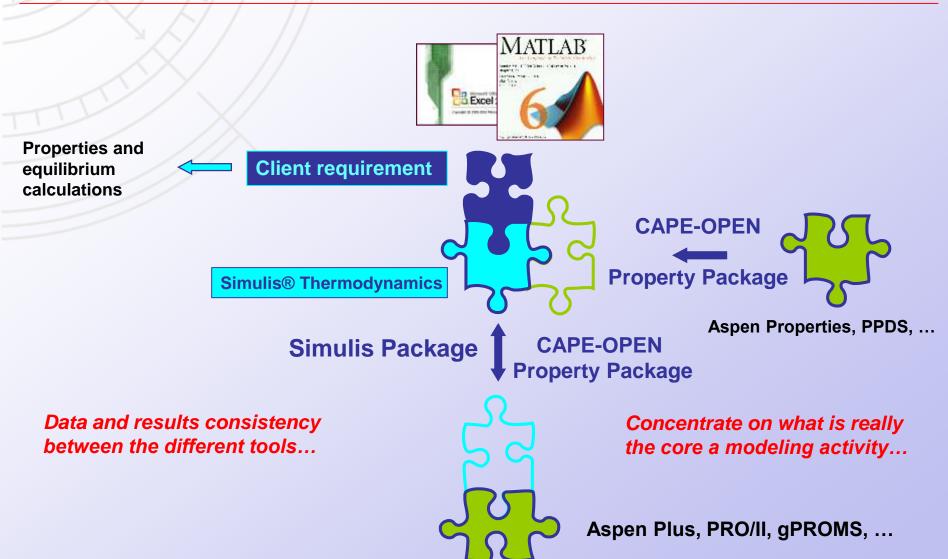
2nd US Annual CAPE-OPEN Meeting

- Linking Fluent to process simulators
 - ⇒ Increased usage by US DOE
 - ⇒ New Vision 21 project incorporates CO technology
- CO compliant process simulator from US EPA
 - ⇒ Released as open source
- Demonstration of increased interoperability in thermodynamics and unit operations
- IPOPT NLP optimizer made CO compliant by CMU
- Commitment by Honeywell on UniSim CO features



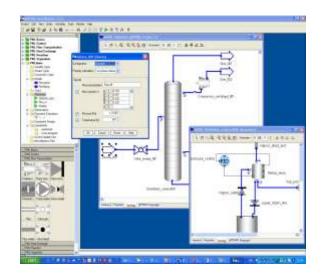


Use rigorous thermodynamics in MATLAB through SIMULIS



gPROMS CAPE-OPEN Unit Operation

gPROMS ModelBuilder

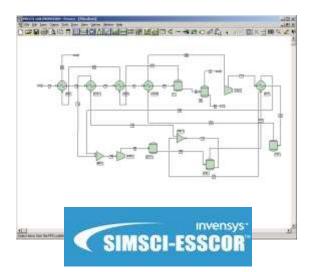


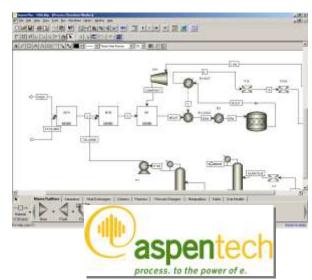
Making advanced models deployable









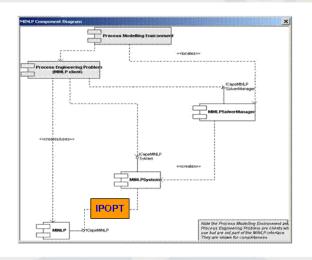






IPOPT NLP Solver from CMU

- State of the art algorithm
- Made CO Compliant as a COM component



Tested for CO compliance In the CO Tester

