

Why Ptolemy II ?



Ptolemy II Objective:

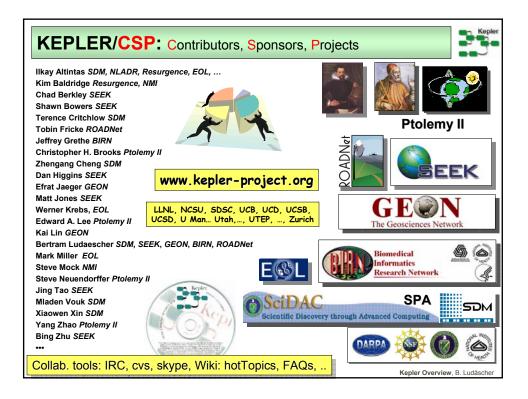
- "The focus is on <u>assembly of concurrent components</u>. The key underlying principle in the project is the use of <u>well-defined models of computation</u> that govern the interaction between components. A major problem area being addressed is the use of <u>heterogeneous mixtures of models of computation</u>."
- Dataflow Process Networks w/ natural support for abstraction, pipelining (streaming) actor-orientation, actor reuse
- User-Orientation
 - Workflow design & exec console (Vergil GUI)
 - "Application/Glue-Ware"
 - excellent modeling and design support
 - run-time support, monitoring, ...
 - not a middle-/underware (we use someone else's, e.g. Globus, SRB, ...)
 - but middle-/underware is conveniently accessible through actors!

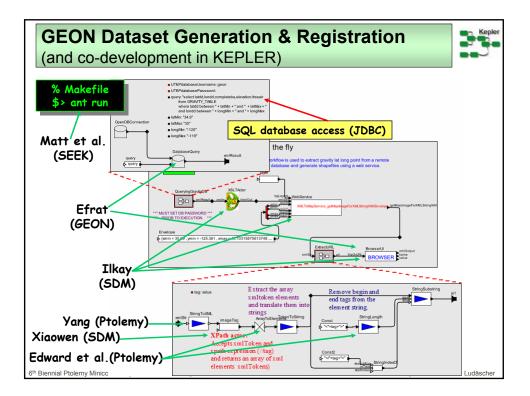
PRAGMATICS

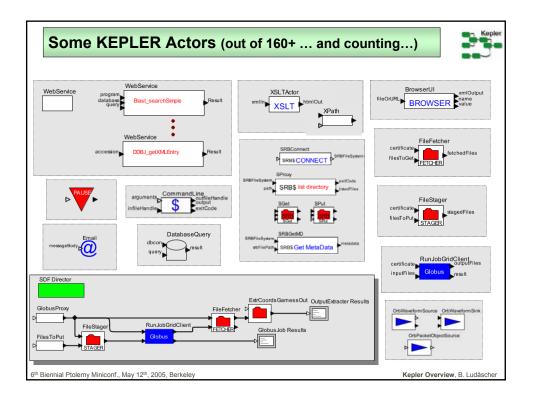
- Ptolemy II is mature, continuously extended & improved, well-documented (500+pp)
- open source system
- many research results
- Ptolemy II participation in Kepler

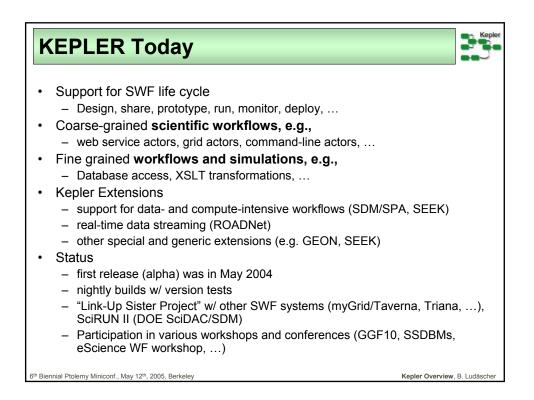
6th Biennial Ptolemy Miniconf., May 12th, 2005, Berkeley

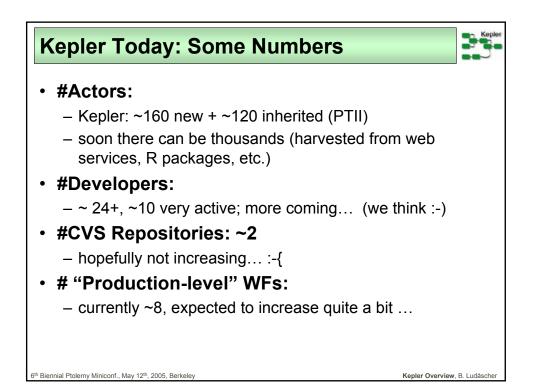
Kepler Overview, B. Ludäscher

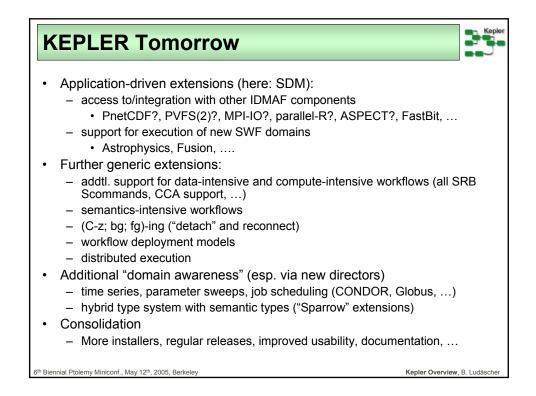


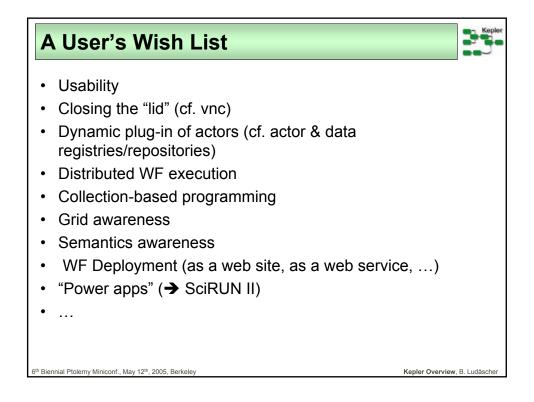


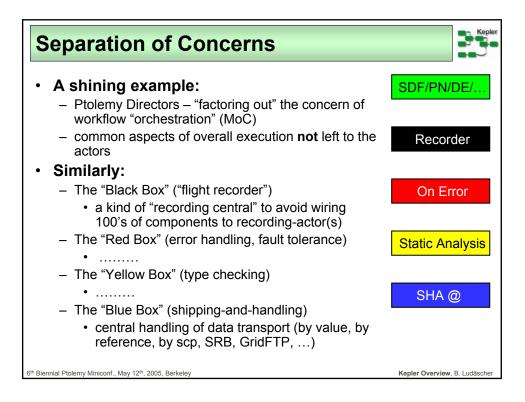


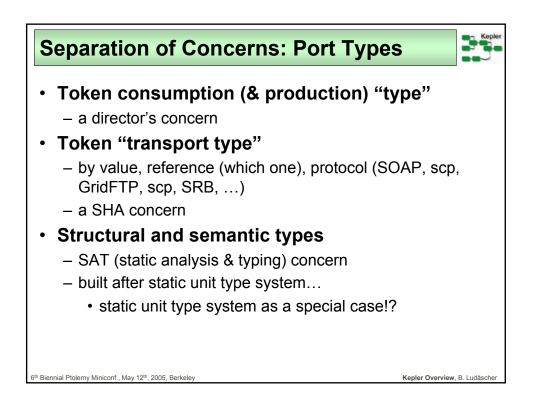


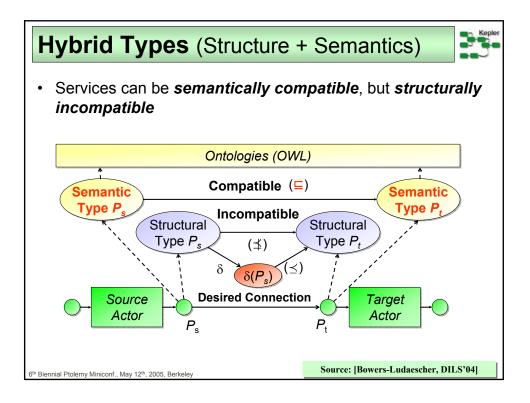


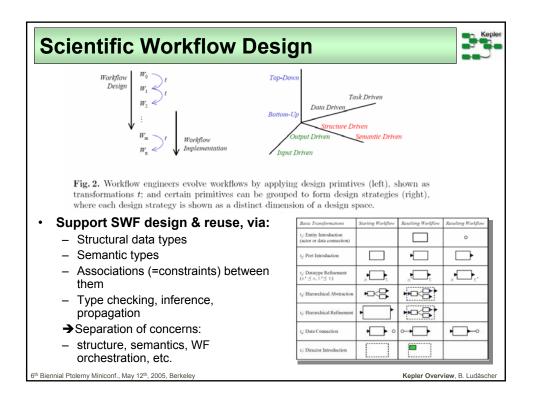












Usability Engineering	Kepler
Rename SDF Director Image: SDF Director Show name: SDF Director Commit Cancel Edit parameters for SDF Director abwe/bacconnected/Sngt abwe/b	
Configure Director	Configure Director Image: Configure Director General Parameters Image: Configure Director Add Param Delete Param Delete Param Iterations: 0 Vectorization Factor: 1
0K Apply Cancel Hep 6 th Biennial Ptolemy Miniconf., May 12 th , 2005, Berkeley	OK Apply Cancel Hep Source: Laura Downey, SEEK/LTER

