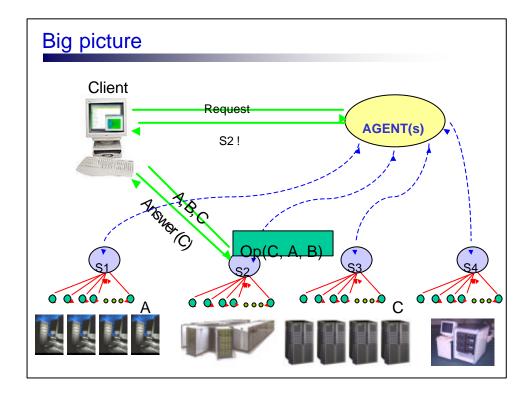
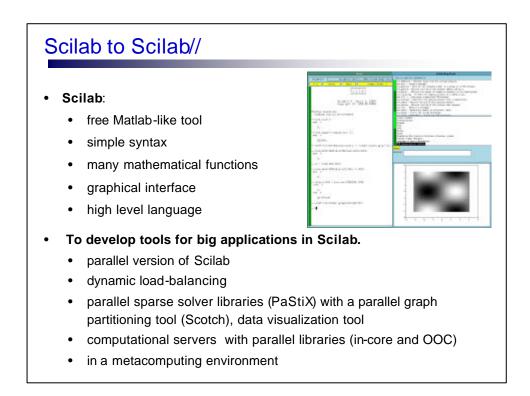
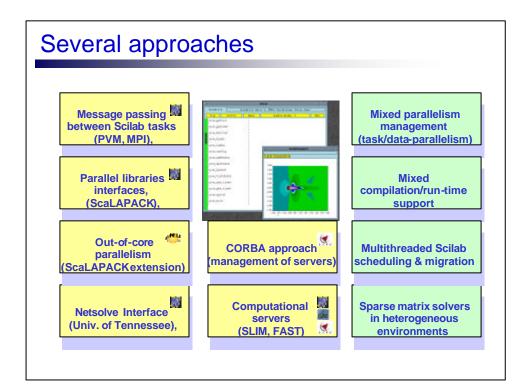


## **Related projects**

- Network enabled solvers
  - Netsolve (University of Tennessee, USA)
  - NINF (Electrotechnical Lab, Umezono, JP)
  - Remote Computation System (ETH Zürich, CH)
  - Meta-NEOS (Argonne National Lab.)
- Problem Solving Environments
  - Information Power Grid (NASA)
  - Parallel Simulation User Environment (Univ. of Wales, UK)
- Web access to computational servers
  - Virtual Distributed Computing Environment (Syracuse Univ.)
  - WebFLOW (Syracuse Univ.)
- Many other projects (distributed visualization, collaborative working, distance education, application dependent simulation environment, ...)
- Related software efforts
  - GrADS, Globus, Legion, APPLEs, Nimrod-G, DISCWorld, CoG toolkit







## Our view of computational servers

## Ideas

- Scilab as a (first) target application
- To avoid multiple interpretation steps
- To ease the insertion of new libraries
- To benefit of existing developments around metacomputing
- To develop a toolkit for computational servers

## • First prototype developed from existing software

- Netsolve (University of Tennessee)
- NWS (UCSD, UTK & UCSB) for the dynamic evaluation of performances
- Our developments on libraries (redistribution routines, sparse solver, out-of-core routines)
- LDAP for the software database and CORBA for the management of servers

