Scenario for running a MPI job across sites

1: Submission
2: Resource Discovery
3: Negotiation Agreement
4: Reservation (Co-Allocation)
5: Execution
6: Execution
7: MPI Initialization
8: Accounting
8: Monitoring

Source Code Workflow
Registration Deployment Edit
Submission
Input Files
Output Files

Super Scheduler
Grid MPI
MPI job
PC Cluster
1,500 CPUs

Distributed Information Service

Grid VM
Local Scheduler
IMPI Server

CA
Site A

Site B

Site C

NAREGI Middleware online demonstration
Scenario for running a MPI job across sites

NAREGI
National Research Grid Initiative