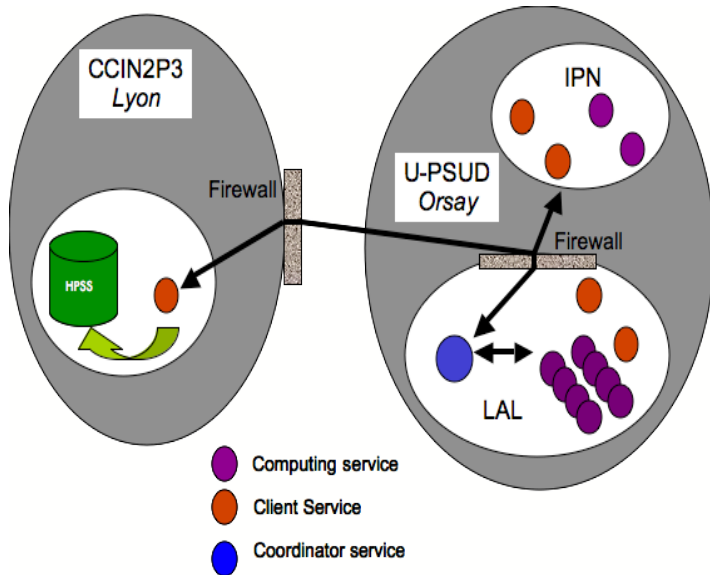


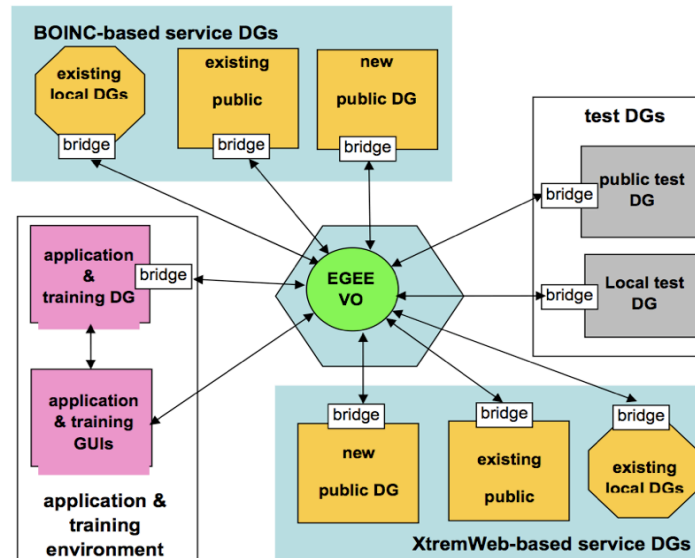
XtremWeb at LAL for HEP Full production platform

- Example : Auger shower simulation
- Process :
 - ✓ User submits jobs to XtremWeb (XW)
 - ✓ XW aggregates resources from several labs
 - ✓ Results are automatically uploaded



EDGeS : Enabling Desktop Grid for eSciences

- FP7 European project
- Two year project starting on 1/1/2008
- List of partners :
 - ✓ SZTAKI, Hungary
 - ✓ CIEMAT, Spain
 - ✓ Fundecyt, Spain
 - ✓ INRIA, France
 - ✓ IN2P3, France
 - ✓ Westminster University, UK
 - ✓ Cardiff University, UK
 - ✓ AlmereGrid, Netherlands
 - ✓ Coimbra University, Portugal
- Goal :
 - ✓ Standardize different existing Desktop grids (DG)
 - ✓ Implement a bridge between EGEE and DG
 - ✓ Propose a new DG - EGEE platform



XWHEP

XtremWeb for High Energy Physics

Bridging XWHEP/EGEE

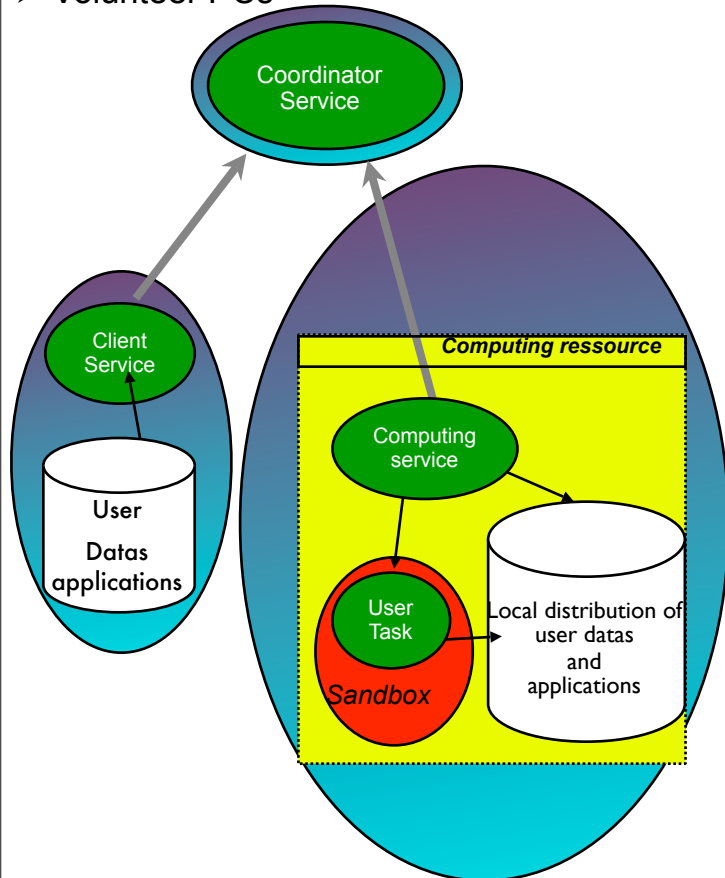
<http://dghep.lal.in2p3.fr>

XWHEP

Based on XtremWeb 1.8.0 developed by INRIA

Main characteristics

- Bypasses firewalls
- Three-tier architecture
- Mode "pull"
- Multi-protocols
- Multi-applications
- Security
- Multi-OS (Mac OS X, Windows, Linux)
- Cycle stealing
- Volunteer PCs

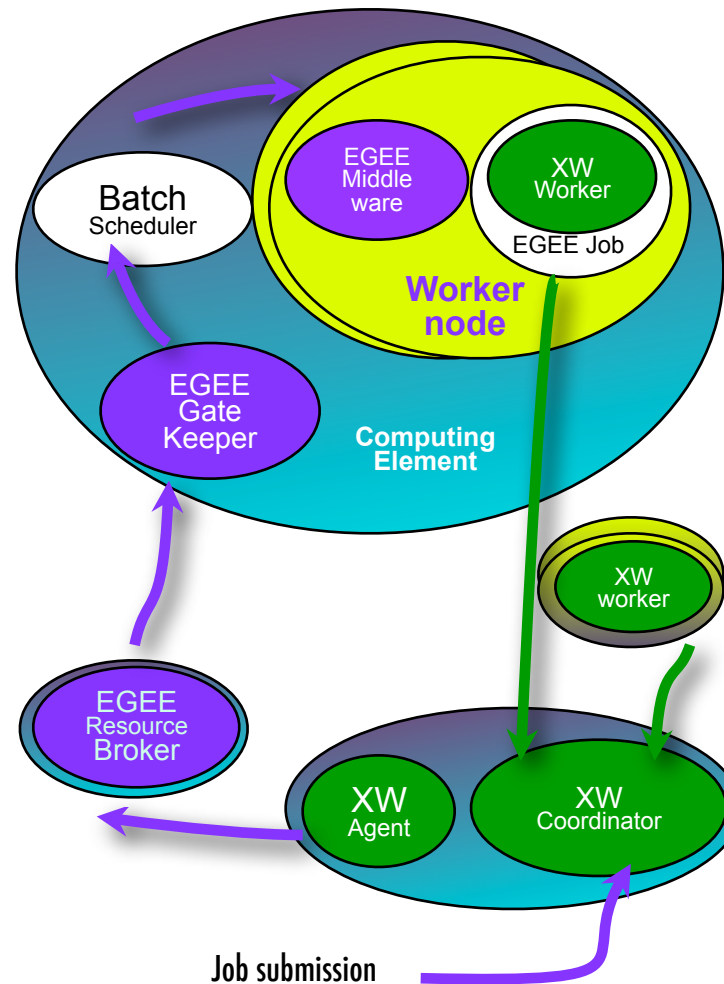


Bridging XWHEP->EGEE

EGEE provides resources to XWHEP

Main characteristics

- Users submit jobs to XWHEP
- The XWHEP agent :
 - ✓ Checks for resource requirements
 - ✓ Submit XW workers to EGEE resources



Bridging EGEE->XWHEP

XWHEP provides resources to EGEE

Main characteristics

- Users submit jobs to EGEE
- XW resources are accessible via standard GateKeeper interface
- XW computes EGEE jobs

