• **Authentication in EGEE through delegation of attributed X509 certificates, where VOMS adds the attributes:**
  - User contacts a VO-Membership service, which creates a delegated proxy certificate with IETF attributes, encoding the user's groups and roles
  - VO Managers set up groups & roles in VOMS and allocate resources in the services to them
VO Management

• Management of EGEE VOs
  – VOs created through Communications Interface for Central Operations Portal
  – ~100 VOs registered, some with several 100 users
  – VOs can have different status: Registered, Selected, External, ...
  – VO gets access to / sets up a VOMS server
  – VO negotiates resources with resource providers

• Resource allocation in a VO
  – Users with a certificate from a recognized CA ask for membership in VO using VOMS-admin / VOMRS
  – VO internal administrators accept users, create groups & roles
  – Sites explicitly allow access to (some of) their resources to a VO (sites may be required by the project to provide some resources)

• Register an EGEE VO at: http://egeena4.lal.in2p3.fr/