



# VO Management

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# Project Drivers & Scope

- Drivers:
  - FermiGrid access to Fermi resources
    - "It will allow access to these dedicated resources, as well as other shared Farm and Analysis resources, for opportunistic use by various Virtual Organizations (VOs) that participate in FermiGrid (i.e. all of our lab programs) and by certain VOs that use the Open Science Grid. “ – K.Chadwick
  - Common and/or interoperable Service evolution (with OSG and LCG)
    - LCG is planning to use VOMRS for 4 LCG experiment. Tentative deadline is March 1st. (see the latest presentation at Joint Security Policy Group <http://cern.ch/dimou/lcg/registrar/TF/gdb-tf-20050208.ppt> )
  - DO and CDF Drivers/Use of OSG/LCG/FermiGrid resources
  - CMS
  - SDSS
  - Minimize operational and deployment load
- Scope:
  - Design and develop a system to provide a Virtual Organization Management system for US CMS that includes user registration and supports application execution using Grid security infrastructure and use of multiple sites, including Fermilab and other Tier- 0,1, 2, 3 institutions.



# Project Milestones

- First production version (v1\_0\_6) has been released on September 30th, 2004
  - Installed and used by CMS (“USCMS” and “World” VOs)
  - Installed and used in BNL for testing
  - Installed and used by VO Privilege Project
- Participated in GDB-mandated LCG VO Management Task Force in fall
  - Agreed that VOMRS will be used for LCG registration
- Now working on adapting VOMRS to the GDB-approved User Registration Requirements <https://edms.cern.ch/document/428034>
  - Release is scheduled on 3/1/2005
- VOMRS installation for FermiGrid (?)



# Effort Profile

- Team:
  - John Weigand (25% FTE)
  - Tanya Levshina (~ 80% FTE)
  - Anne Heavey (?)
- Working on new version since October, 2004
  - Design and documentation of the new requirements ( 1 month)
  - New features implementation (2 months)
  - Integration with CERN ORGDB software (2 week)
  - User and Admin Documentations (1 week)
  - Installation and upgrade scripts (1 week)
  - Testing (2 weeks)
- VOMS admin and core software, EDG Trust Manager installation, bug reports
- Continue participation in LCG TF activities
- Started working on collecting and analyzing FermiGrid requirements for VO



# Risks

- VOMRS release depends on CERN ORGDB Interface module provided by CERN. It is not ready yet. The new release still can be used for “General” type of registration.
- There are multiple questions that need to be understood in order to provide adequate estimation of future development needs for VOMRS software and support of FemiGrid/CMS/SDSS/DO/CDF VOs:
  - Will grid users need to be registered in CNAS at FNAL?
  - Would grid users be required to get a Kerberos principal?
  - Could they complete their registration in one place (VOMRS or FNAL) and have the other system pick up the info it needs and automatically create its reg info for the person?
  - If they register at FNAL via CNAS is FNAL willing to make DB changes to CNAS?