

# Astronomy Applications-RG

Update session at OGF19: Chapel Hill: Jan 07

# SignUp Sheet

- Please sign the attendance sheet
  - this also indicates that you accept the OGF IPP
  - please see <http://www.ggf.org/documents/GFD.63.pdf> for details

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# OGF Astro-RG: Summary

- Officers: *Nic Walton (Astrogrid, Cambridge, UK)*  
Masatoshi Ohishi (NAOJ, Tokyo, Japan)  
Secretary: Reagan Moore (SDSC)
- Goals
  - Capture requirements from IVOA community: map to OGF services
- Significant Events
  - Workshop held on May 10, 2006 @ GGF17 Tokyo
  - IVOA coordination meeting in Victoria, May 15, 2006
    - next meeting May 2007 in Beijing
  - IVOA development of:
    - VOSpace specification
    - Event notification specification
    - IAA specifications
- Concerns/Issues
  - Need Grid Service implementations that are robust and efficient
  - IVOA implementations being done in parallel to Grid standards

# Agenda

- [14.00 – 14.30] Session 1: Astro-RG
  - Review actions post GGF17 Tokyo workshop
  - Roadmap
- [14.30 – 15.30] Session 1: Standards
  - VOSpace: The NVO Experience – Reagan Moore
  - Single Sign On – Guy Rixon
  - JVO: Progress and Collaboration with NaReGi – Masatoshi Ohishi
  - Universal Worker Service – Guy Rixon
- [15.30 – 17.00] Session 2: Implementations
  - AstroGrid
  - Euro-VO DCA: Interoperability with EGEE – Claudio Vuerli
  - JVO
  - NVO

# Action Items

- Activity at GGF17 and OGF18
  - Review the document
    - **“Building IVOA Services for the Astrophysics Community”**
  - **Public comment is being sought**
    - Document provides the perspective of the IVOA community for the areas of
      - Utility
      - Virtual Observatory requirements
      - Viability
    - Need an assessment from the OGF working groups on their expectations for providing services (both functionality and delivery date)
  - IVOA will not wait, will implement before standard is finished.
- 2nd IVOA/OGF workshop – dates, format

# Building IVOA Services



- Two active service development efforts are underway in the IVOA Community
  - VOSpace - provide naming convention for building shared collection
  - VOEvent - provide rapid notification of astronomical events for action by other sites/observatories
  - Single Sign On
  - Applications Environment
- Development efforts are proceeding in parallel to OGF

# Roadmap Update

- Capabilities required by VO
  - Assessment paper – draft version
- VO Experiences with testbed 'Grids'
  - Document to be drafted by OGF21
  - VO Project + Grid providers (e.g. GIN) to input
- Gap Analysis paper
  - requirements c.f. experience
  - OGF22
- Update Charter

# Steps to Requirements Documents



- Need liaison for promoting response from each of the OGF working groups
  - Volunteers
- Need to update the list of active working groups
  - See following slides

# OGF Services



- Infrastructure Standards Groups
  - Ipv6
  - Network Measurement
  - Data Transport
  - Grid High-Performance Networking
  - Network Measurement for Applications
- Data Standards Groups
  - Data Access and Integration Services
  - Grid File Systems
  - Data Format Description Language
  - GridFTP
  - Grid Storage Management
  - Information Dissemination
  - OGSA Data Replication Services
  - Transaction Management
  - OGSA Data
  - Byte IO
- Compute Standards Groups
  - Grid Resource Allocation Agreement Protocol
  - Job Submission Description Language
  - Grid Scheduling Architecture
  - OGSA Basic Execution Services

# OGF Services



- **Architecture Standards Groups**
  - Open Grid Services Architecture
  - Grid Protocol Architecture
  - OGSA Naming
- **Applications Standards Groups**
  - Grid Remote Procedure Call
  - Grid Information Retrieval
  - Distributed Resource management Application API
  - Simple API for Grid Applications
  - Grid Checkpoint Recovery
- **Management Standards Groups**
  - Application Contents Service
  - Configuration Description, Deployment, and Lifecycle Management
  - Grid Economic Services Architecture
  - OGSA Resource Usage Service
  - Usage Record
- **Security Standards Groups**
  - Open Grid Service Architecture Authorization
  - OGSA-P2P-Security
  - Firewall Issues
  - **Trusted Computing**

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