

Astronomical Grid Computing Community

Astro-RG Meeting @ GGF12

Agenda

- Welcome (Nic Walton, Cambridge, AstroGrid Project Scientist)
- Actions Resulting from GGF10
- Initial assessment of Virtual Observatory Needs
 - Mapping to the GGF process
 - Initial requirement report progress: Guy Rixon
 - VOSpace example, the US view: Reagan Moore
- Workshops
 - GGF 12: Production Grids Workshop
 - Future Astro-RG/ Virtual Observatory workshop

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Actions Resulting From GGF10

- GGF10: 1st Meeting
 - GFSG approved (10 Feb 04) the formation of the Astro-RG
 - GridForge: <https://forge.gridforum.org/projects/astro-rg/>
 - Mailing list: astro-rg@gridforum.org
 - Website URL: <http://www.ivoa.net/astro-rg>
- Co-Chairs: Nic Walton (naw@ast.cam.ac.uk) & Masatoshi Ohishi (masatoshi@nao.ac.jp)
- Secretaries: Guy Rixon (gtr@ast.cam.ac.uk) & Reagan Moore (moore@sdsc.edu)
- Initial work aims identified

Astro-RG Web: GridForge + IVOA

- Astro-RG now on GridForge
 - <https://forge.gridforum.org/projects/astro-rg/>
- This space used for:
 - Document storage
 - Change tracking
 - Discussion and Forums
 - Email mailing list archive
- All documents public
 - Sign up as a Project Member to contribute to the GridForge
 - Create new account at
<https://forge.gridforum.org/account/register.php>
- Informal announcements: 'wiki' <http://www.ivoa.net/astro-rg>

Virtual Observatory Status

- IVOA has an aggressive timeline for standards development
 - Current priorities include resource discovery, metadata descriptions, data model definitions.
- VO implementations conforming to these stds
 - Demonstrations
 - US – Jan 2005 @ AAS meeting San Diego
 - Europe – Jan 2005 @ ESAC Madrid
- AstroGrid (UK): testbed rollout Feb 2005
- Euro-VO underway from Jan 2005
 - Application partner with EGEE

Astro-RG : Implementations

- Example GGF standards based implementations in Astronomy:
 - UK: AstroGrid – GT3 (see <http://www.astrogrid.org> & <http://astrogrid.ast.cam.ac.uk:8080/aad-portal/index.jsp>)
 - Aus-VO
 - USA: NVO (see <http://www.us-vo.org>)
 - JHU: skyquery (<http://www.skyquery.net>)
 - CalTech: mosaicing services (Atlasmaker, Montage)
 - NCSA: Webservice registries
 - SDSC: Sky surveys on the TeraGrid
 - Japan: J-VO (see <http://jvo.nao.ac.jp>)
 - China: China-VO – GT2 base (see <http://www.china-vo.org>)
- These experiences being documented

Gathering requirements

- Initial activities: GGF10 @ Berlin
- Report to be prepared for: GGF14
- Preliminary results:
 - Process defined: IVOA WGs to interact with GGF groups; seeking volunteer co-ordinators
 - Some requirements ex IVOA grid/web-services group
 - Meta-requirements

Requirements capture for Astro-RG

International Virtual Observatory Alliance

– GGF Mapping

- IVOA work groups now matched to GGF Wgs/RG/s
 - Next IVOA meeting Pune end Sep 04
 - Activity of IVOA WG's includes gap analysis
- IVOA work groups
 - Consideration of use of GGF implementations
 - Ogsa-dai to replace data access
- Astro-RG leads to interact with GGF WG's/RG's
 - Interface IVOA documents with GGF process

Group mapping (1)

<i>IVOA Group</i>	<i>GGF groups</i>	<i>Lead</i> (confirmed or tbc)
Resource registry	SMF-RG, RGIS-RG	Ray Plante
Data modelling	DFDL-WG	Jonathon McDowell
UCDs (content desc.)	SEM-RG	Roy Williams, Reagan Moore
Data access layer	DAIS-WG	Doug Tody
VOTable	DFDL-WG	Guy Rixon

Group mapping (2)

Query language	DAIS-WG	Masatoshi Ohishi
Grid/web services	OGSA-WG, (OGSI-WG), OGSA-SEC-WG, GSI-WG, Auth-WG, AuthZ-WG	GuyRixon
Standards & processes	GFSG Proc-WG	Bob Hanisch Nic Walton

Group mapping (3)

VO arch.	OGSA-WG	Reagan Moore, Guy Rixon
VO apps.	Astro-RG, APPS- RG	Tom McGlynn, Kevin Benson
(pipelines, workflow)	GCE-WG, WMF	
(preservation)	PE-WG	
(transients)		

Astro-RG Timelines

- GGF 13/14 – Assessment of VObs needs document
- GGF 13/14 – Initial assessment of VO experiences with testbed data grid deployments
- IVOA/GGF Workshop – GGF14
 - Focus on testbed deployment experiences

Astro-RG Workshops

- Joint GGF/IVOA organised activity
 - Aim for summer 2005
 - Theme: experience from the operational VO testbed
 - The requirements gap
- Push the Production Grid workshop
 - From the astro-rg view: linking to the EGEE production grid

Next Steps

- **Sign in:** sheet for this meeting
- **Sign up:** astro-rg @ gridforge
- **Shape up:** read the minutes and materials on grid forge
- **Shout up:** contribute to the IVOA/GGF WG's analysis
- **Show up:** aim to attend the next astro-rg meeting