GGF and Astronomy

- Current IVOA implementations largely utilise web services, however GGF standards are becoming relevant in a number of areas:
  - Authorisation
  - Transport, e.g. GridFTP
  - Persistent Storage
  - Job Submission
- Use of grid service standards actively under investigation by a number of VO projects
  - AstroGrid
  - USA's NVO

Wider Relevance: Workshop Concept

- Use of IVOA stds vs use of more generic GGF stds
  - implementations in use – supporting large data flows, complext computational environments
- Comparison with other domains, e.g. Medical
  - workflows and application environment
  - server based system with plugable clients for data visualisation
    - potential use from medicine to literature
- Supporting People Systems and Technical Systems
- GGF IVOA Workshop (May 10 2006) presentations looked at specific areas where GGF standards may have relevance in supporting the construction of the Virtual Observatory, and areas of VO feedback to the GGF
- http://www.ivoa.net/twiki/bin/view/IVOA/GgfIvoaMay06
  - http://www.ggf.org/gf/event_schedule/index.php?event_id=4

IVOA/ GGF17 Workshop

- The IVOA Challenge: Facilitate Better Science – Now
  - Science: range of astronomy, solar to cosmology
  - Technical: global system – interoperation with external services
  - Political: global community – multiple communities
- Building a solution: The Virtual Observatory
  - Which standards and when
    - IVOA
    - GGF, WS-I
- Workshop Outcomes
  - Solutions to Needs
  - Discussion Forum: Astro input to GGF std WGs
  - Future Links: Workflows, Authorisation, Preservation & Storage
  - GGF18: Earth Observations Workshop input

AstroRG IG Session

- Goals:
  - GGF status
  - Review of GGF workshop
  - Current analysis of use of WS/ GGF standards
    - Where do we need our own stds (e.g. VOSpace)
  - Next GGF/IVOA workshop

Closing

- Key Links
  - Astro-RG @ GGF: https://forge.gridforum.org/projects/astro-rg/
  - IVOA: http://www.ivoa.net
  - AstroGrid: http://www.astrogrid.org
  - NVO: http://www.us-vo.org
  - Euro-VO: http://www.euro-vo.org
- Meeting Materials at:
  - http://www.ivoa.net/twiki/bin/view/IVOA/GgfIvoaMay06WorkShop
  - http://www.ggf.org/gf/event_schedule/index.php?event_id=4