

## Call for Papers and Attendance

### The Future of Grid Data Environments: A Global Grid Forum (GGF) Data Area Workshop

Tuesday 9<sup>th</sup> March 2004, Humboldt University, Berlin, Germany, GGF10  
Organisers: Malcolm Atkinson, Ann Chervenak, Susan Malaika & Andre Merzky  
Local coordinator: Andre Merzky

#### Meeting Objectives

The workshop will provide an excellent forum for researchers and developers in data management in grid computing. We hope to build the 'big picture' of work in the whole Data Area (and related work in other GGF areas) to encourage improved synergy between groups and to form a view of how this work should develop. That future should be well informed by relevant research and we hope to stimulate relevant research as an outcome of the workshop. *See*

<http://www.nesc.ac.uk/events/GGF10-DA/> for up-to-date information.

#### Why Attend

The following are reasons to attend this workshop:

- Part 1 of the workshop, a structure and gap analysis, will give researchers new to the Data Area community an opportunity to learn the current state-of-the-art in GGF data management standards and proposed directions.
- Part 2 of the workshop, research and experience papers, provides opportunity to interact with leaders in GGF data management standards effort.

#### Who should Attend

- Members of the GGF Data Area Groups.
- Members of other GGF Groups.
- Developers and Researchers who are engaged in this domain or are exploring its application.

#### Background

The area of data management in grid environments has become a very active at GGF, with new groups forming at every GGF meeting. In view of the increased activity level, a *Data Area Structure and Function Analysis* report for the GGF Data Area is being prepared. A first draft will be available for public review in January 2004. It will be presented in Part 1 of this workshop. The Data Area group chairs, BoF leaders and Group chairs developing data-related standards in other GGF Areas are invited to comment. Ideally, they or their representatives should attend the workshop with prepared comments that represent their Group. These comments will be published on the workshop web site.

We seek high quality papers identifying important results from development and application experience or identifying challenges through in depth analysis of clearly identified issues. The programme committee will select papers to be presented in Part 2 of the workshop. After the workshop the PC will select papers to be revised and published as a special issue in the Journal of Grid Computing.

## **Workshop Format**

The workshop will run for one day in two parts.

### **Part 1 – Data Area Structure and Function Analysis**

- Presentation of the Data Area Structure and Function Analysis
- Observations and responses from the GGF Groups and other interested parties
- Discussion to identify consensus and required revision

### **Part 2 – Research and Experience Papers**

- Presentation of papers
- Discussion session to review research and experience impact on the Data Area's structure and road map.

## **Workshop Topics**

We particularly encourage papers that address topics such as:

- Experience and Measurements implementing or using the emerging Data Area standards
- Data Experiences in Grid Environments
- Data Virtualization, Access, Integration and Transformation
- Data Discovery, Quality, Provenance and Metadata
- Data Movement, Distribution, Caching and Replication
- Data Management and Quality of Service
- Data Recovery and Coordination

## **Submission of Extended Abstracts**

The programme committee's decisions will be based on extended abstracts, which should be between 3 and 5 pages in length using easily read fonts and sensible layout. Please send your abstracts as PDF documents to [ggf10-da-submissions@nesc.ac.uk](mailto:ggf10-da-submissions@nesc.ac.uk) by **31<sup>st</sup> January 2004**. *Early submission would be helpful.* Acceptances will be notified by 14<sup>th</sup> February 2004.

## **Submission of 'pre-prints'**

Full presentation-ready papers are required by 1<sup>st</sup> March 2004 so that they can be placed on the workshop's web site and read in advance by participants.

## **Considerations**

We expect presenters to remember that the goal of the Data Area is to develop *compatible* data-related standards well-designed for grid application requirements. It would be helpful if presenters, particularly in Part 1, considered the following:

1. Are the requirements you address clear?
2. Is the vocabulary for your topic already well defined and consistent across the Data Area or are new concepts and definitions required?
3. Is there existing work in the Data Area on which this builds or is this an identification of new topic of R&D which should be undertaken?
4. Is the interaction of your topic with other GGF standards, e.g. scheduling, resource management, work flows, provenance, etc., well understood?
5. Are the scale and dependability parameters of your application or technology well characterised – where possible quantified?

## ***Important Dates***

- 21 Jan 2004: Public Review of *Data Area Structure and Function Analysis* starts  
31 Jan 2004: Extended Abstract submission  
14 Feb 2004: Notification of paper acceptance  
1 Mar 2004: Full Presentation-ready Papers Required  
9 Mar 2004: Workshop

## ***Programme Committee***

Bill Allcock	File Transfer WG, Argonne National Lab
Vijay Dialani	DAIS WG, University of Southampton
Amy Krause	DAIS WG, EPCC
Igor Mandrichenko	
Reagan Moore	Digital Archive BoF, SDSC
Inderpal Narang	DAISWG, IBM
Gregory Newby	
Dave Pearson	DAIS WG, Oracle (UK)
Beth Plale	Indiana University (USA)
Greg Riccardi	DAIS WG, University of Florida
Osamu Tatabe	Grid File System WG
Martin Westhead	DFDL WG, EPCC
Paul Watson	DAIS WG, University of Newcastle
Jane Xu	Grid File System WG, IBM