



# MDS4

Jen Schopf, ANL

Rachana Ananthakrishnan, ANL

Charles Bacon, ANL

Eric Blau, UC

John Bresnahan, UC

Mike D'Arcy, ISI

Mike Link, ANL

Neill Miller, UC

Robert Miller, UC

Laura Pearlman, ISI



# Goals of the Project

- Monitoring and discovery of resources and services
- 2 primary use cases
  - ◆ What resources/services can I use to schedule my job?
  - ◆ Troubleshooting (warning on errors) for service failures



## Relationship to Other Globus Projects

- Many components register resource properties with the container's index service
- GridWay uses MDS4 data for scheduling
- Several outside groups have done weird cool things as well
  - ◆ Semantic MDS (ontologies with the Index)
  - ◆ Canada Grid gateway to GLite using MDS4/condor
  - ◆ Shaowen Wang's Info Provider framework
  - ◆ DGrid Google map interface to Index service



## Current Work

- Ongoing work with TeraGrid to supply data to portal and service discovery
- Ongoing work with ESG for warning on errors using Trigger service
- Trigger service extensions for ease of use
- Updating testing framework



## Planned Next Steps

- Trigger service ease of use
- Performance and persistence
- Ease of use for WebMDS including pull down menus
- Selling the troubleshooting capabilities to wider user communities



## Critical Issues

- Funding may be an issue in the fall
- Trying to incorporate outside work (info providers, google map interface) but this is really hard – and there are support issues