

MAGIC Meeting

NOVEMBER 3, 2010, 2:00-4:00

Attendance:

David Martin	Argonne
Grant Miller	NCO
Mike Seablom	NASA
John Volmer	ANL
Dean Williams	ANL

Action Items

None

Proceedings

This meeting of MAGIC was coordinated by Grant Miller of the NCO.

Magellan: David Martin

The Magellan project ordered new hardware including a Terabyte of memory incorporating solid-state disks. They are using Nvidia cards. Magellan is centered on NERSC and Argonne. There is an open call for use of Magellan resources. Magellan is considering how to provide continuing operations when the ARRA funding is depleted next year.

Earth Systems Grid: Dean Williams

ESG is preparing a FEMA5 data set and running the data throughout the system replicating versioning. They are contacting sponsors to inform them of the resources needed to continue operations after funding is depleted in June 2011. ESG is doing research on information systems for sharing data among climate community researchers. They are working with Magellan.

ESG is working with ESnet to identify how to move its extensive data sets among sites worldwide. They are moving 40 Mbps between sites and are troubleshooting the networking to improve data transfer rates.

Identity Management: John Volmer

Argonne is considering a business case for participating in a federated identity scheme. Argonne has joined InCommon.

Climate at Home Project: Mike Seablom

The Climate at Home Project is in progress. The program uses a grand ensemble Monte Carlo simulation. They use unused cycles on peoples home computers to do climate simulations. They are using virtualization for a common view on each U.S. machine so results can be compared across machines. They are seeking funding . NASA is preparing a new solicitation for advanced system technology focusing on Sensor-Webs. Satellites would be directed by input from ground models. The states of an observational satellite system would be changed (e.g., wide scan, rapid scan) based on input from the sensor Web of what was happening on the ground that needed observing.

Fate of the World: Climateprediction.net

The University of Oxford has an online global climate game at climateprediction.net called Fate of the World where users can game climate change scenarios. It is very popular and is in Beta Release.

Next MAGIC Meetings

December 1, 2:00-4:00, NSF

January 5, 2011