





Ewa Deelman, USC (PI)

Co-Pls:

Anirban Mandal, RENCI

Jarek Nabrzyski, Notre Dame University

Valerio Pascucci and Rob Ricci, University of Utah













## Visit to VIRGO. 2001

## Pegasus Workflow Management System



- Portable across heterogeneous infrastructure
- Supports data reuse
- Reliable
- Scalable
- Restructures workflow for performance
- Monitoring and debugging tools
- Ensemble workflow runs
- Leverages HTCondor









## Develop a model and a plan for a Cyberinfrastructure Center of Excellence

- Platform for knowledge sharing and community building
- Key partner for the establishment and improvement of Large Facilities with advanced Cl architecture designs
- Grounded in re-use of dependable CI tools and solutions
- Forum for discussions about CI sustainability and workforce development and training
- Pilot a study for a CI CoE through engagement with LFs and large CI projects
- Explore interactions and partnerships with Software Institutes and other community efforts















## Use/development of automation technologies for science

- Understand the data lifecycle in large facilities (including disaster recovery issues)
- Identify approaches and technologies used in the various phases of the data lifecycle
- Explore commonalities across projects in lifecycle and management
- Foster communications across projects
- Explore opportunities for automation within the lifecycle
- Identify opportunities for improvement/innovation

ci-coe-pilot@isi.edu

Ewa Deelman deelman@isi.edu









