



# ATLAS vision for OSG

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OSG Council Meeting  
March 15, 2013

- Note – this presentation addresses only these questions. There are many other potential areas where ATLAS would benefit from and contribute to OSG, as the WLCG evolves.
  - c.f. Ian Bird on computing evolution from the WLCG perspective

# Points to address

(me/I=ATLAS)

- Why OSG is important to me?
- How I plan to help the Campus Program?
- What I want/plan to do over the next two years to lead - ensuring the success of the OSG?
- OSG evangelization/ambassador efforts?
- What staff I am contributing and would like to contribute to the OSG activities?

# Why OSG is important to ATLAS

- The WLCG, and OSG's contribution to it as the underlying grid infrastructure
- Operations functions and interoperation with WLCG services
- Software and services deployed at sites and centrally
- New tools and capabilities:
  - OASIS for accessing new sites
  - Virtualization as a prospect of moving to a standardized base platform, which could be the foundation domain specific environments can be built upon
- OSG's foundational, sustainable principles built on distributed HTC
- Forum for sharing expertise and best-practices

# How ATLAS will help the Campus Program

- ATLAS is already helping the Campus program
  - Tier 1 and Tier 2 sites open to opportunistic Campus VOs
  - Campus grid identity management tool set (U-bolt) provided by MWT2 effort, in the context of the UC3 campus grid
  - OSG webinar on network troubleshooting in distributed environments
  - Provide resources for testing campus components
- But likely can do more at its Tier 2 and Tier 3 centers
  - Self-interest in gaining access to more cycles
  - FAX, OASIS will help
  - 30 university campuses

# What ATLAS will do in the next two years to lead OSG

- Continue contributions in the technology area, in particular in areas where there is extensive experience in US ATLAS
  - Virtualizing resources
- Generalize Panda job services for other VOs
- Federated data access (FAX)
- Network and throughput monitoring, providing services and development from the US ATLAS Facility (the dashboard)
- Cybersecurity and federated identity management

# Evangelism efforts

- Community building
  - ATLAS has already given two contributions to OSG CIC webinars
  - Use established Facility communication channels to advertise Campus Infrastructures meetings locally
- Researcher engagement
  - Will use Tier 3 community to communicate useful tools & methods from OSG

# What staff ATLAS is contributing to contribute to OSG activities

- Xin Zhao, Horst Severini – testing OSG software pre-releases
- The Tier 2 community and Computing Integration and Operations Program which provisions and maintains infrastructure used by OSG, coordinates OSG software deployments, contributes to production operations (the OSG is a production grid)