Broadening Participation

OSG in the national CI spectrum & options

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OSG All Hands Meeting, Clemson University, March 14-17, 2016
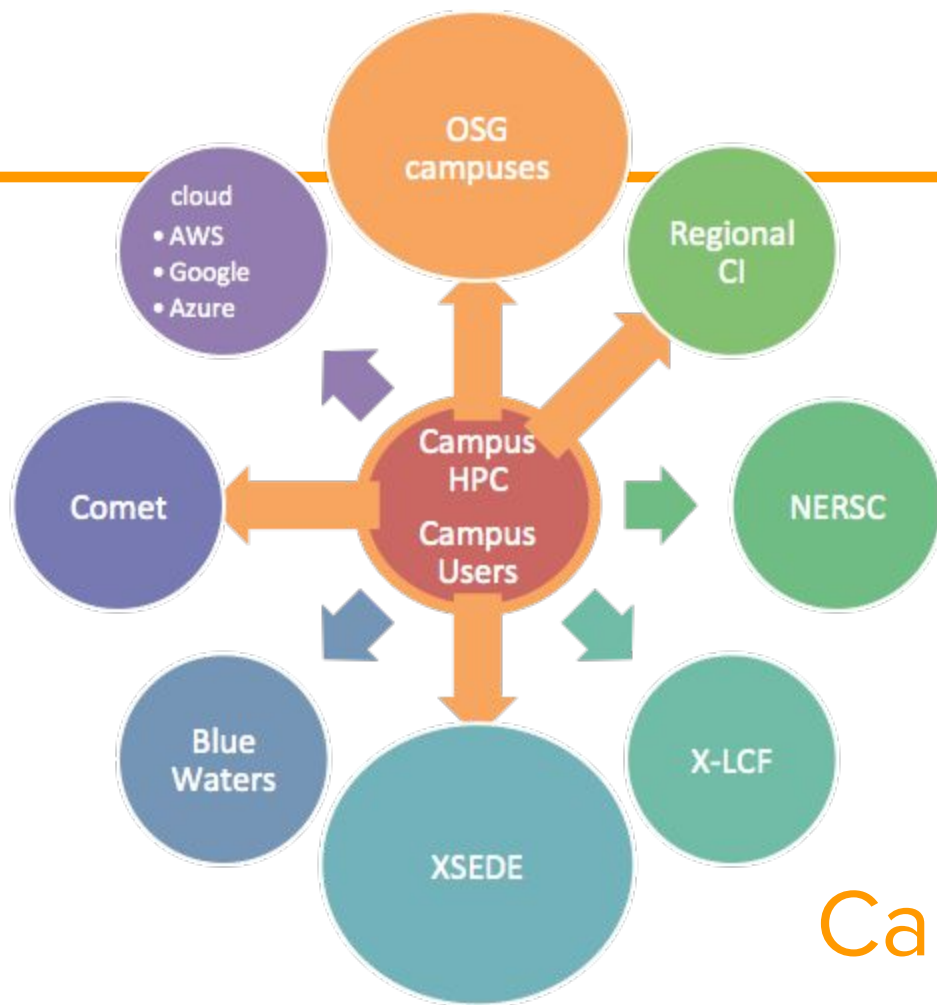
Topics

- National HTC and HPC resources and their availability to users
  - (campus, XRAC, PRAC allocations) and place of OSG in this spectrum
- Model of deploying OSG on campus resources
- Possibilities for expansion of OSG
  - (backfill queues on XSEDE machines, higher campus involvement)

Spectrum

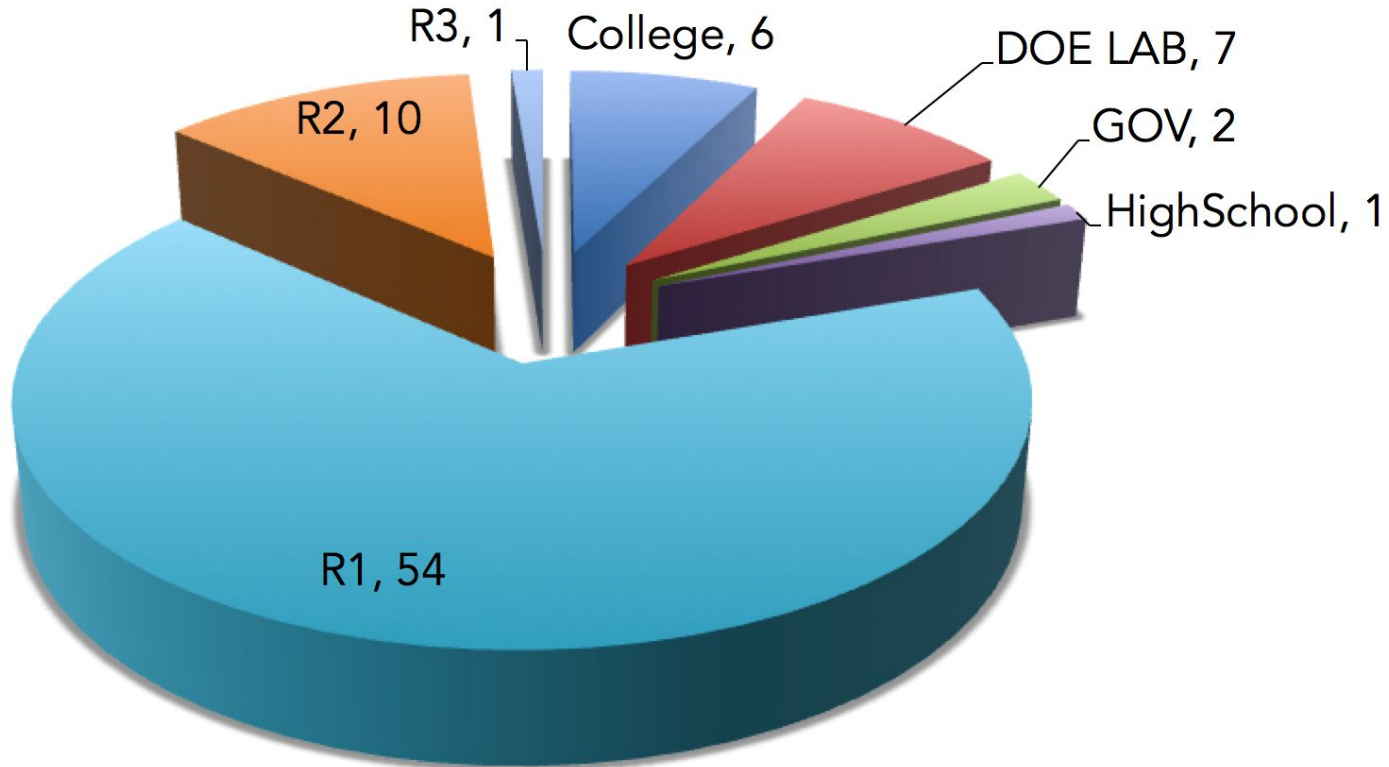Users

Campus HPC

Resource Allocation Committees

50

1

Onboarding users - instruction

- Annual OSG User School
- Extended Software Carpentry with HTC
- Partnerships with ACI-Ref

software carpentry
osg connect

Individual PIs accessing OSG by institution

Models for connecting campuses

- Connect your **campus researchers** to the OSG
  - OSG Connect - a login service to the OSG
  - Connect Client : a job submit client for the local cluster
    - provide a "burst" like capability for HTC jobs to shared opportunistic resources
- Connect a **campus cluster** to OSG
  - **Lightweight connect** : OSG sends "glidein" jobs to your cluster, using a simple user account
    - No local software or services needed!
  - **Large scale**: deploy the OSG software stack
    - Support more science communities at larger scale
    - Usually recommend as a second step