

# Campus Grids WBS 1.6

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# WBS 1.6.1

- Document the Benefits of Campus Grids and Identify a prioritized list of Campus proponents

- Status: Complete
- Main Campus Proponents
  - RENCI
  - UChicago
  - Virginia Tech (upcoming meeting)
  - Florida Sunshine Grid (now hiring)

## WBS 1.6.2

- Field Survey at least 6 existing and potential campus Grid sites to understand and Articulate Campus Grid successes, barriers, and needs
  - Status: Complete via Campus Grids meeting last Nov.
    - Identified four different types of Campus Grids
      - FermiGrid, Condominium, Flocking, Extend Flocking to non-Condor clusters.

# WBS 1.6.3

- Represent OSG Campus Grids (and vision) at appropriate conferences and workshops
- Status: Ongoing
  - Oklahoma Supercomputing Symposium
  - CHEP Paper
  - OSG AHM
  - Condor Week (upcoming)
  - ...

# WBS 1.6.4, 1.6.4.1

- Create a plan for Campus Grid deployments
- Articulate and Circulate the Use Cases
- Status: Needs work
  - Weekly discussions with some of our users / potential users
  - Nebraska has widest group of use cases but not really articulated

# WBS 1.6.4.2, 1.6.4.3

- Identify necessary development efforts
- Identify manpower that will be used to complete the Y5 effort
- Status: Complete
  - Main effort left is in Documentation and maintaining the RPMs.
  - Next development steps
    - Enable HTPC in Campus grids
    - Bundle with Gratia Probes for straightforward accounting
  - Effort provided by Marco and Derek (as part of his Thesis project)

# WBS 1.6.5, 1.6.5.1

- Identify and work with one campus as a prototype
- Create a design architecture
- Status: Complete
  - Derek's thesis

# WBS 1.6.5, 1.6.5.1, 1.6.5.2

- Identify and work with one campus as a prototype
- Create a design architecture
- Deploy a Campus Grid prototype
- Status: Complete
  - Working prototype at Nebraska
  - Complete integration with OSG
  - Basis for Derek's Masters thesis

# Conclusion

- Y5 nearing completion
  - Have an excellent working prototype
  - Transitioning this model to other sites
    - Updating documentation along the way
  - Actively engaged with several campuses but no second deployment yet.
  - Actively promoting the capability at conferences