# Campus Grids Area Work Plan for the First Year of the OSG N5Y

The OSG Campus Grids plan is focused on helping **researchers** use DHTC computing on their campus. A secondary dimension is to support administrators that are helping their researchers utilize DHTC computing on their campus.

Toolkit Development and Deployment:

1. Deploy technology to account usage of users and jobs to campuses. (Weitzel)
2. Integrate a "traceroute" type of package into Bosco to support debugging through all layers of Bosco related campus infrastructures (Weitzel, Mambelli)
3. Complete the implementation and testing of the Campus Grids Infrastructure using SSH for job submission. Includes file transfer, multiple OS's and multi-user support (Weitzel, Mambelli, Madison-team, Fraser)
4. Release campus infrastructure software distribution Production Version 1 (Fraser, Gore, Weitzel, Mambelli, Madison team)

Outreach:

1. Community Development: Establish a center for the campus DHTC Infrastructure community to learn and get consulting and advice on their Campus DHTC issues. Create and implement a plan to build and nurture the community. Coordinate with the Campus Grid lead, Campus Grid Project Manager and others as needed (Gardner? Gore, Fraser)
2. Serve as a liaison between XSEDE and Campus DHTC infrastructures, working with the XSEDE designated liaison to OSG; monthly meetings with the XSEDE-OSG liaison (Fraser)
3. Engage with individual users and user communities to adopt and utilize Campus Infrastructure technologies (Fraser, Gore, Mambelli, Weitzel)
4. Contribute to campus grids program of work to foster OSG spreading at the campus level. Engage with possible users; engage with customers on their local campuses (Mambelli)

Application integration training and consulting (catalysts for adoption of campus grids):

1. Identify and work directly with supportive campuses to implement and maintain Campus DHTC infrastructure in support of researchers and admins that support researchers; Goal is to develop at least two active working campus grids besides Nebraska (Fraser, Mambelli, Weitzel)
2. Develop integration training packages and documentation for supporting best practice applications that are agreed and prioritized by the Campus Grid Leader and Campus Grid Project Manager (e.g. "R", Matlab, Squid, …) (Mambelli, Gore, Gardner, Madison-Team).
3. Coordinate the chat support system for OSG users and administrators; maintain 90% staff attendance (Mambelli)
4. Support the Education coordinator in developing material for and working with the system admin workshops particularly in support of Tier-3s and Campus Grids. Help staff and coordinate either the sys admin school or workshop (Mambelli, Weitzel)
5. Project Manager: Create and maintain the project plans for Campus DHTC community engagement and architecture roll out (Gore)
6. Assess the Campus Infrastructure activities according to agreed upon metrics (Gore)

Metrics:

Utilize a CMM model of maturity that primarily weights usage of campus grids by researchers.

Number of new campus dhtc infrastructures

Number of implemented best practices

Number of folks on the mailing list