

Campus Services and the Contributor Community

Tim Cartwright · OSG Campus Coordinator (CHTC)

Christina Koch · OSG Researcher Facilitation Lead (CHTC)

Mats Rynge · OSPool Administrator (USC/ISI)

PATH Project

OSG Campus Services

We support the **community** of

- campus **resource owners** and **administrators** who share (or want to share) capacity with the national OSDF and OSPool infrastructures, and
- **data owners** who share (or want to share) their data via the OSStore

to accelerate open-science research at US institutions.

Key point: We try to make contributing easy for you while making sure you remain in control of your resources.

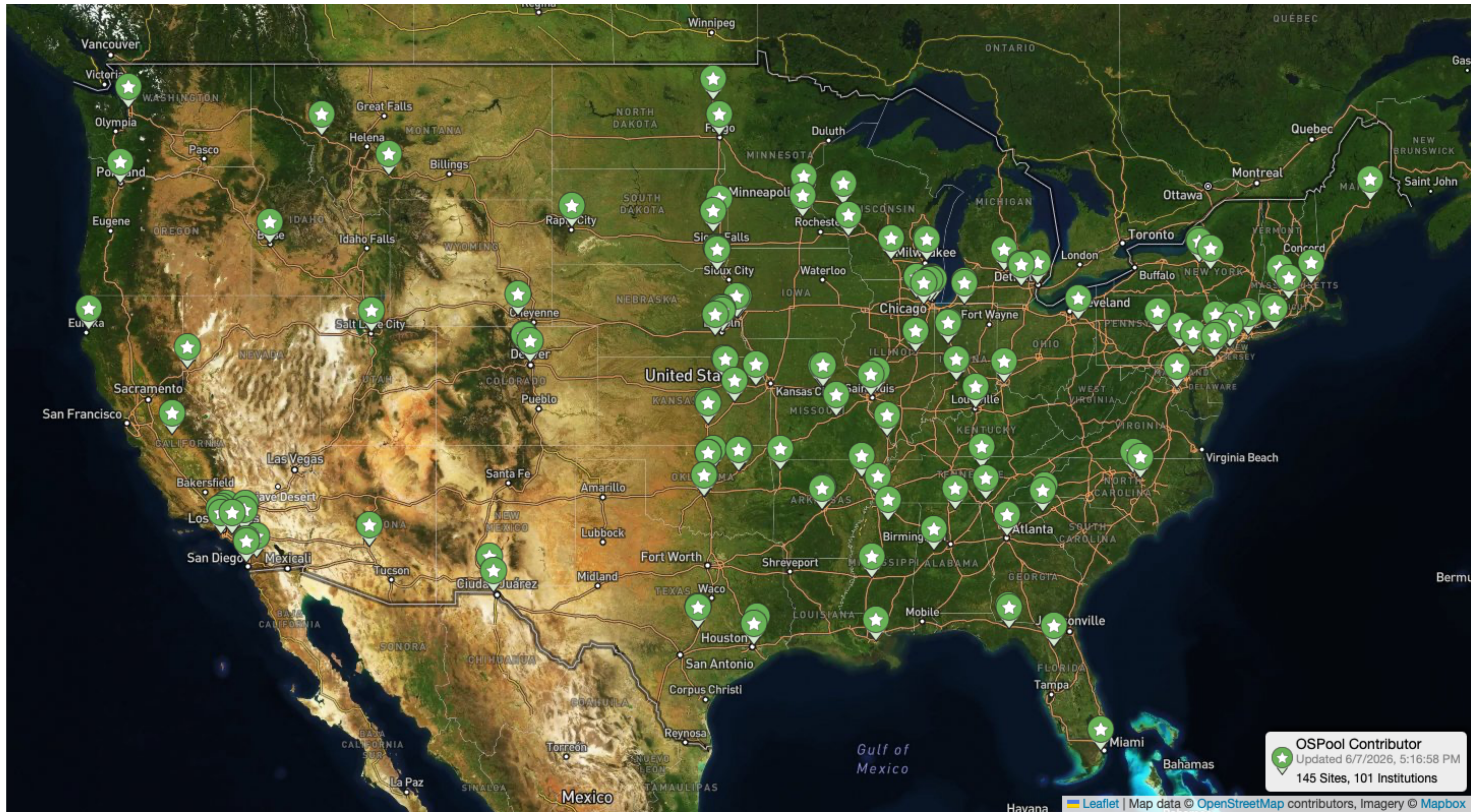
Open Science Pool (OSPool)

Campuses share compute capacity into one dHTC pool; researchers place lists of tasks on Access Points to run on it; built on the HTCondor Software System.

- **Contributors:** Over 100 institutions for about 145 sites
- **Access Points:** We operate a few general-purpose ones for any US-based researcher, and there are other institution- and project-specific ones

In the past year:

- Nearly 390 million jobs completed for around 340 million core hours
- **Served 280 research projects from 120 institutions**



Open Science Data Federation (OSDF)

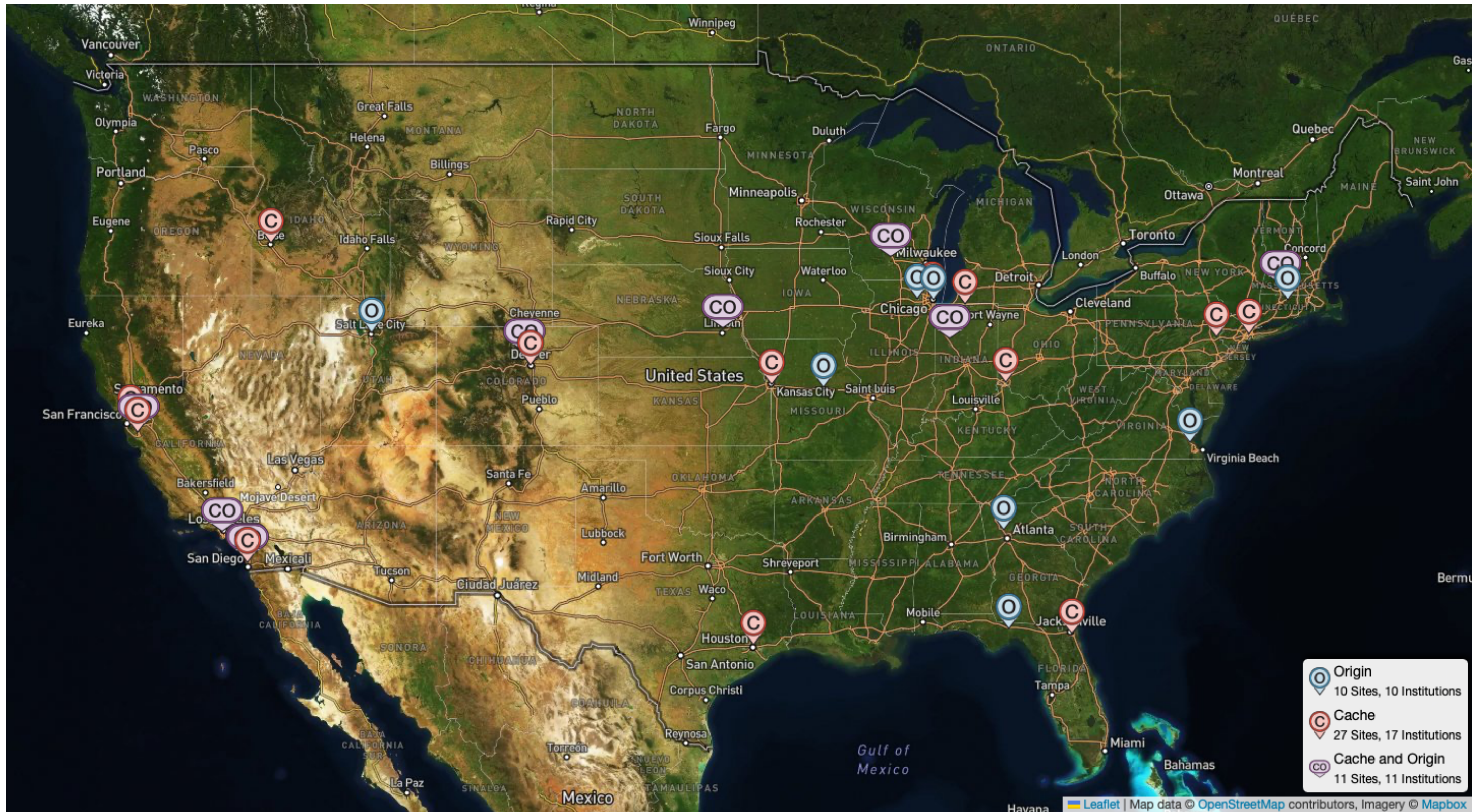
Campuses connect storage to deliver objects as part of a unified namespace; deeply integrated with OSPool for HTC workflows; built on the Pelican Platform.

- **Origins** (conduit to connected storage): ~90 registered, ~70 active
- **Caches** (intermediate data staging): ~60 registered, ~45 active

In the past year, **just for the OSPool**:

- About 375 million data objects delivered (~12 Hz, averaged)
- Over 120 petabytes (~4 GB/s, averaged)

For the OSPool, about 5% of file transfers use OSDF for about 75+% of bytes



OSStore (part of OSDF)

The subset of OSDF connected storage capacity (accessed via an Origin) that *PATH staff* can allocate for research datasets.

- Currently, 5 sites are contributing in this way for about 2.8 petabytes
- To date, we have allocated storage for 15 projects
- Talk to us about contributing storage or staging datasets!

What We Do

We are with you *all the way*:

- Help with planning and pre-award consultations
- Guide you through the integration process
- Support you while in production (monitoring, troubleshooting, updates, etc.)
- Monitor researcher usage and work with facilitators to understand concerns
- Document requirements, processes, and expectations
- Look for areas for improvement; coordinate changes through to deployment

Being Part of the Community

- We are here for you!
 - One-on-one planning and integration meetings for potential contributors
 - Weekly campus meet-up: <https://osg-htc.org/campus/support.html>
 - Events like HTC26; presence at meeting like NSF CC* Wkshp, PEARC
 - Direct support: support@osg-htc.org
 - Slack workspace: opensciencegrid.slack.com
 - Website and documentation: <https://osg-htc.org/campus-docs/>

Let us know how we can help and how we can improve!

Questions?

This work is supported by NSF under Cooperative Agreement OAC-2030508 as part of the PATH Project. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the NSF.