

OSG Response to COVID-19

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Types of Activities

- Coordinating with others
- Finding Covid19 researchers
- Helping sites provide computing capacity
- Providing human effort to covid19 researchers

- Peter Elmer organized several coordination meetings we attended
 - To coordinate across software institutes funded by the NSF
 - To meet with Folding@Home PI Greg Bowman to see how we can best help this effort.
- Met with Tiziana Ferrari to understand how EGI & OSG can coordinate covid19 responses.
 - Supporting WeNMR workflows now on OSG.

- Joined the HPC Consortium
 - Attending resource request reviews & resource matching meetings (few times a week)
- Joint call for resource requests together with EGI
- Created covid-19@opensciencegrid.org email and advertised it on our website.

Found some researchers via each one of these.

Helping sites provide resources

- Created instructions for how sites can donate resources for covid19 research specifically.
 - 36 sites have so far contributed to covid19
- Created accounting web page of covid19 consumption of resources.
 - Peaked at ~40,000 cores on average per day.
 - Running F@H as backfill via gWMS.
 - Dominated by the usual large LHC sites but also an astounding diversity of other sites (see next slide)



Open Science Grid

Contributions from sites within the last 30 days

American Museum of Natural History
New York City



Lots of places without any LHC presence.

Cybera non-profit in Canada



	total ▾
Brookhaven National Laboratory	4.91 Mil
University of Chicago	4.26 Mil
Massachusetts Institute of Technology	2.88 Mil
Fermi National Accelerator Laboratory	2.33 Mil
University of Nebraska	1.69 Mil
University of California San Diego	633.24 K
University of Wisconsin	257.89 K
University of Texas Arlington	203.39 K
California Institute of Technology	156.02 K
University of Wisconsin Milwaukee	142.06 K
Vanderbilt University	141.24 K
Syracuse University	135.95 K
American Museum of Natural History	79.63 K
University of Michigan	70.12 K
Universidade Estadual Paulista	67.84 K
University of Mississippi	62.42 K
New Mexico State University	57.59 K
University of Utah	53.04 K
University of Colorado	36.67 K
Rutgers University	25.94 K
ND - CAML_GPU	25.06 K
University of Illinois at Urbana Champaign	24.36 K
University of Puerto Rico - Mayaguez	17.03 K
University of Southern California	10.08 K
Cybera	5.88 K
University of Connecticut	2.93 K
Wayne State University	2.36 K
The College of New Jersey	1.87 K
Florida State University	1.74 K
Arizona State University	1.27 K
Illinois Institute of Technology	1.10 K

Providing Human Effort to Covid19 research

- OSG these days is an umbrella across 6 independent grants.
- There are people across these that have expertise that fall well outside the usual.
- Here some press releases of researchers people from within the OSG staff are presently working with at some level:
 - [\[1\]](#)[\[2\]](#)[\[3\]](#)[\[4\]](#)[\[5\]](#)
- We are tracking the total human effort for covid19 ... after initial spike, it's modest now.