

NUG Monthly Meeting



July 21, 2022



Today's Plan

- Interactive – Please participate!
 - Raise hand or just speak up
 - NERSC Users Slack – discussions in the **#webinars** channel
- Agenda:
 - Win-of-the-month
 - Today-I-learned
 - Announcements/CFPs
 - Topic of the day: **HPC workflows for Scientific Facilities**
 - Coming meetings: topic suggestions/requests?
 - Last month's numbers

Win of the Month

Show off an achievement, or shout out someone else's achievement, e.g.:

- Had a paper accepted
 - Solved a bug
 - A scientific achievement (maybe candidate for Science highlight, or High Impact Scientific Achievement award)
 - An Innovative Use of High Performance Computing (also a candidate for an award)
- [\(https://www.nersc.gov/science/nersc-hpc-achievement-awards/\)](https://www.nersc.gov/science/nersc-hpc-achievement-awards/)

Please let us know of award-worthy work from you or your colleagues – tell us what you did, and what was the key insight?

Today I Learned

What surprised you that might benefit other users to hear about?
(and might help NERSC identify documentation improvements!)

E.g.:

- Something you got stuck on, hit a dead end, or turned out to be wrong about
 - Give others the benefit of your experience!
 - Opportunity to improve NERSC documentation
- A tip for using NERSC
- Something you learned that might benefit other NERSC users

"If we knew what it was we were doing, it would not be called research, would it?" – Einstein

Expected Cori Retirement

- Cori was installed in 2015, and at 6+ years may be NERSC's longest lasting system
- Perlmutter, with a CPU partition equivalent to all of Cori, is expected to be fully operational for AY2023
- We expect to retire Cori at the end of Allocation Year (AY) 2022
 - We can extend that date if unexpected issues arise with Perlmutter
- AY2023 allocations will be based on Perlmutter's capability
- ERCAP season begins August 15
 - ERCAP will be topic for August NUG meeting

Announcements & CFPs

See weekly email for these and more:

- **Calls for Papers**
 - **Parallel Applications Workshop, Alternatives to MPI+X (PAW-ATM)** <https://go.lbl.gov/paw-atm>, due July 29
 - **Workshop on Accelerator Programming Using Directives (WACCPD)** <https://www.waccpd.org/>, due August 5
 - **Combined International Workshop on Interactive / Urgent Supercomputing** <https://www.urgenthpc.com/>, due August 15
 - **International Symposium on Checkpointing for Supercomputing (SuperCheck-SC22)**
<https://supercheck.lbl.gov/call-for-participation>, due August 26

Announcements & CFPs

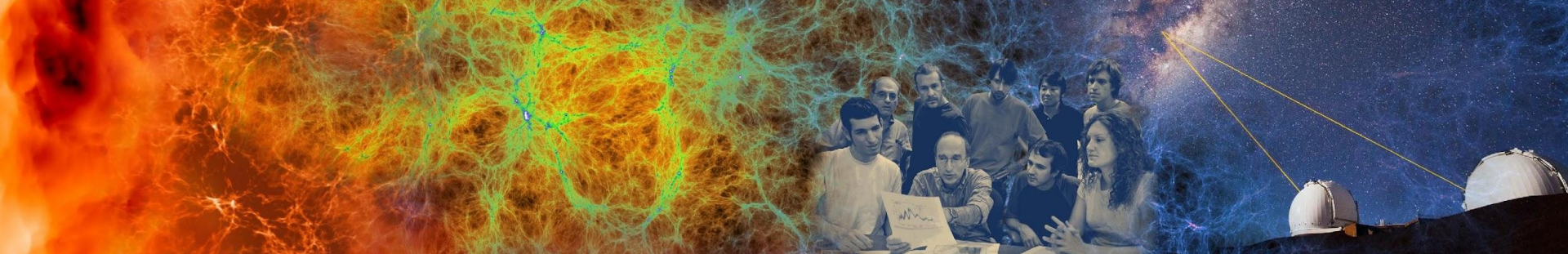
See weekly email for these and more:

- Conferences/Workshops
 - [OpenACC & Hackathons Summit](#), August 2-4
 - **Beyond-DFT Electrochemistry with Accelerated and Solvated Techniques (BEAST) Workshop**
<http://beast-echem.org/workshops/2022/>, August 15-16
 - **Confab22 (ESnet's first annual meeting)**
<https://go.lbl.gov/confab22> , October 12-13

Announcements & CFPs

See weekly email for these and more:

- Training
 - **E4S at NERSC**
<https://www.nersc.gov/users/training/events/e4s-at-nersc-2022/>,
August 25
 - **SpinUp training** <https://www.nersc.gov/users/training/spin/>,
August 10
 - **AI for Science Bootcamp**
<https://www.nersc.gov/users/training/events/nersc-ai-for-science-bootcamp-august-25-26-2022/>, August 25-26



HPC Workflows for Scientific Facilities



BERKELEY LAB



U.S. DEPARTMENT OF
ENERGY

Office of
Science

Coming Up

- **August:** ERCAP
- **September:** Plans for NUG Annual Meeting
- **October:** NUG Annual Meeting (in lieu of this meeting)

We'd love to hear some lightning talks from NERSC users about the research you use NERSC for!

Last Month's Numbers

- Cori Utilization: TBA
- Large Jobs: 41.71%
- New tickets: 642
- Closed tickets: 643
- Ticket backlog: 590