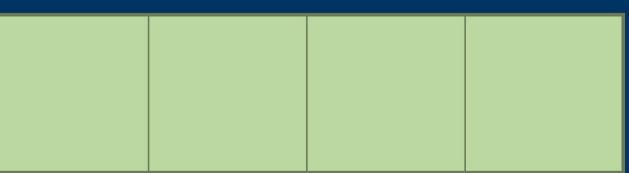
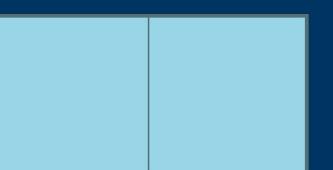
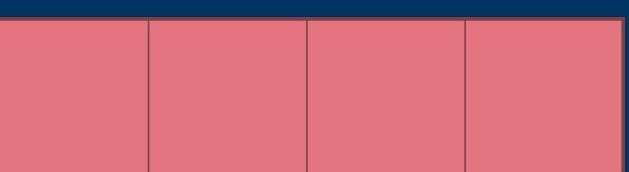
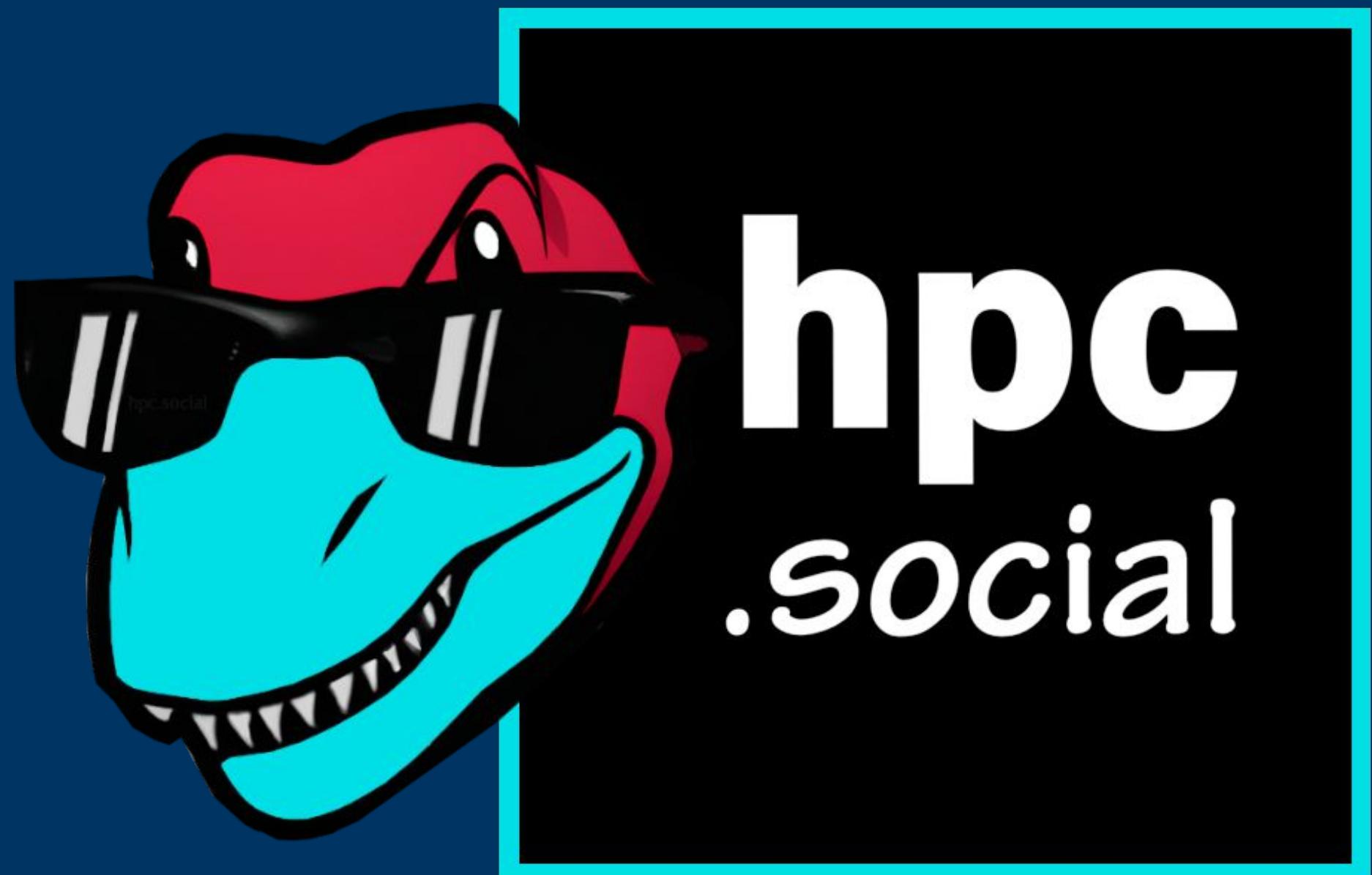


# The hpc.social project

**communication resources for the high  
performance computing community  
and related fields**

**Alan Sill, Texas Tech University**  
**Vanessa Sochat, Lawrence Livermore National Laboratory**  
*for the hpc.social team*

**EasyBuild User Meeting**  
**April 24, 2023**



HPC community is global but my project is local

How can I find experts and share  
my expertise with others?

Social media are often too commercialized -  
but starting something new seems too hard?

## General questions and concerns about HPC as a field and community

Expertise is often narrowly focused within  
any one group

How can I get to know people and build  
persistent working relationships?

How can I learn about new things?

# *What's missing to have a community?*



“I have a funny HPC cartoon I want to share!”

“I want to see what community members are producing, not just vendors”

“I want to chat with my HPC friends from across communities more than a few times a year.”

“I want to put together a smaller group interested in hardware or a particular software project”

“I want to share a job opportunity or event!”

“I’d like to interact with my HPC colleagues as people.”

*What's missing?* 🤔

“I have a funny HPC cartoon I want to share!”

“I want to see what community members are producing, not just vendors”

“I want to chat with my HPC friends from across communities more than a few times a year.”

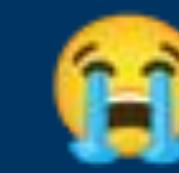
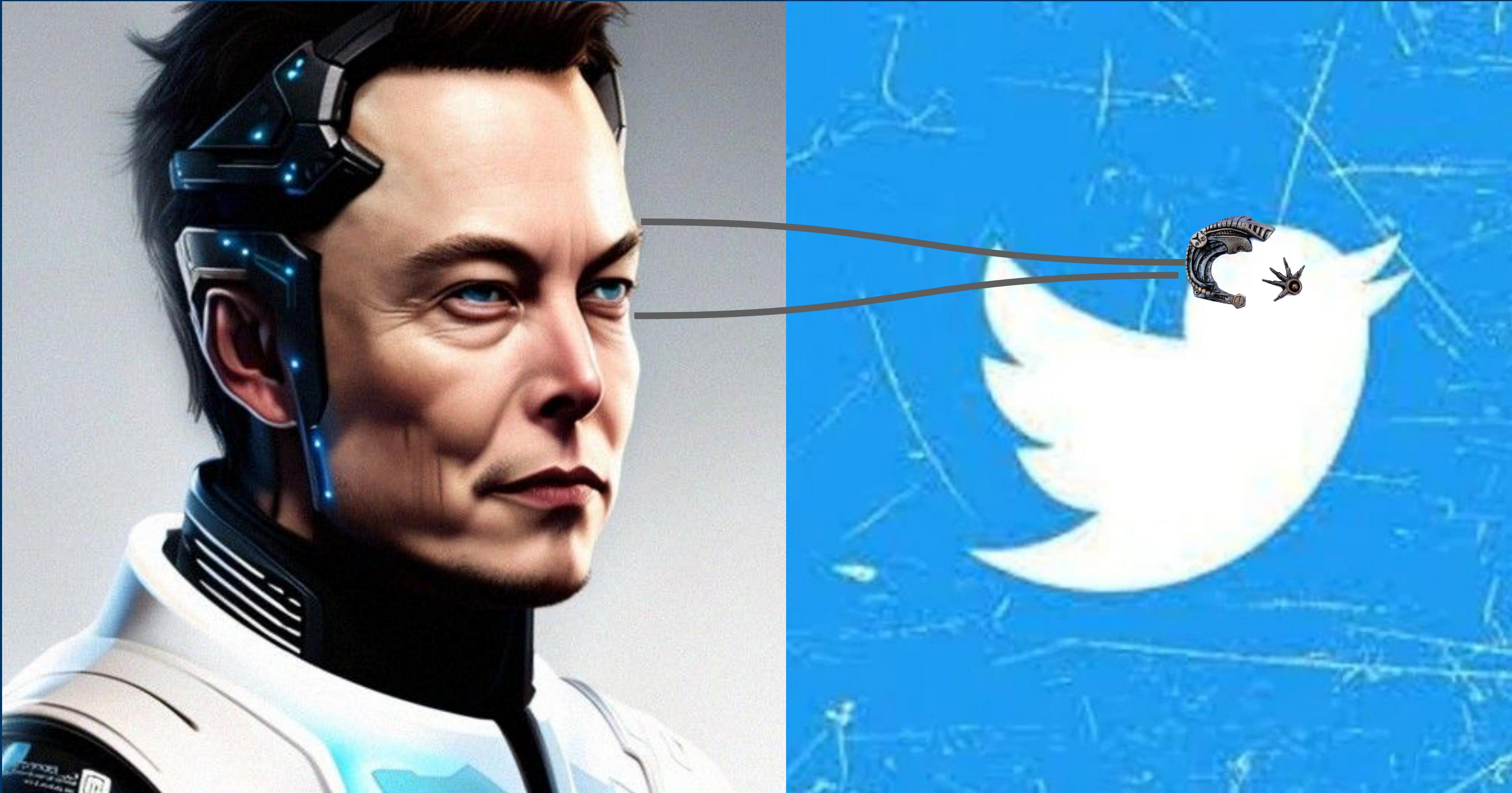
## *Community Heartbeat*

“I want to put together a smaller group interested in hardware or a particular software project”

“I want to share a job opportunity or event!”

“I'd like to interact with my HPC colleagues as people.”

This was all abstract and general  
until...



**Twitter takeover was a wakeup call.**

**So: back to the original questions:**

**How do we create an effective,  
global, useful, shared, *human*  
HPC community?**

# We started with a survey:



Alan Sill  
@alan\_sill

Replies to @FelixCLC\_ @dairsie and 5 others

I've decided to put together a questionnaire to be open only for a brief time to help get community input on this. This will be up only for a week or two so watch out for it. Hope to launch by @Supercomputing!

6:27 PM · Oct 29, 2022

# Which grew...

# And from this we learned these things...

**Alan Sill** @alan\_sill · Nov 4, 2022

Thanks to all those who took time to fill out the survey at [survey.hpc.social](https://survey.hpc.social) -- it is still going on and has been \*very\* educational. Feel free to fill it out if you haven't yet. A plan based on the results is coming together. Conclusions so far in the following posts: 1/n

**Alan Sill** @alan\_sill · Oct 29, 2022

Replies to @FelixCLC\_ @dairsie and 5 others

I've decided to put together a questionnaire to be open only for a brief time to help get community input on this. This will be up only for a week or two so watch out for it. Hope to launch by @Supercomputing!

**Alan Sill** @alan\_sill · Nov 4, 2022

If you'd like to help do this (those who already volunteered, thanks, I haven't forgotten) please get in touch. Skills/resources needed: social media contacts for existing projects, html/jekyll/GitHub pages, coding for searchable documentation interfaces, etc. [info@hpc.social](mailto:info@hpc.social) 8/n

**Alan Sill** @alan\_sill · Nov 4, 2022

I will also respond to this topic here on the bird app and on [@AlanSill@mastodon.social](mailto:@AlanSill@mastodon.social) but overall I want those who filled out the survey at [survey.hpc.social](https://survey.hpc.social) to know (THANK YOU) that we were and are listening to you. Still time to fill it out if you haven't yet! 9/9 end

# Which grew...

Alan Sill @alan\_sill · Nov 4, 2022

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1 1 1 1 1

Show this thread

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1 1 1 1 1

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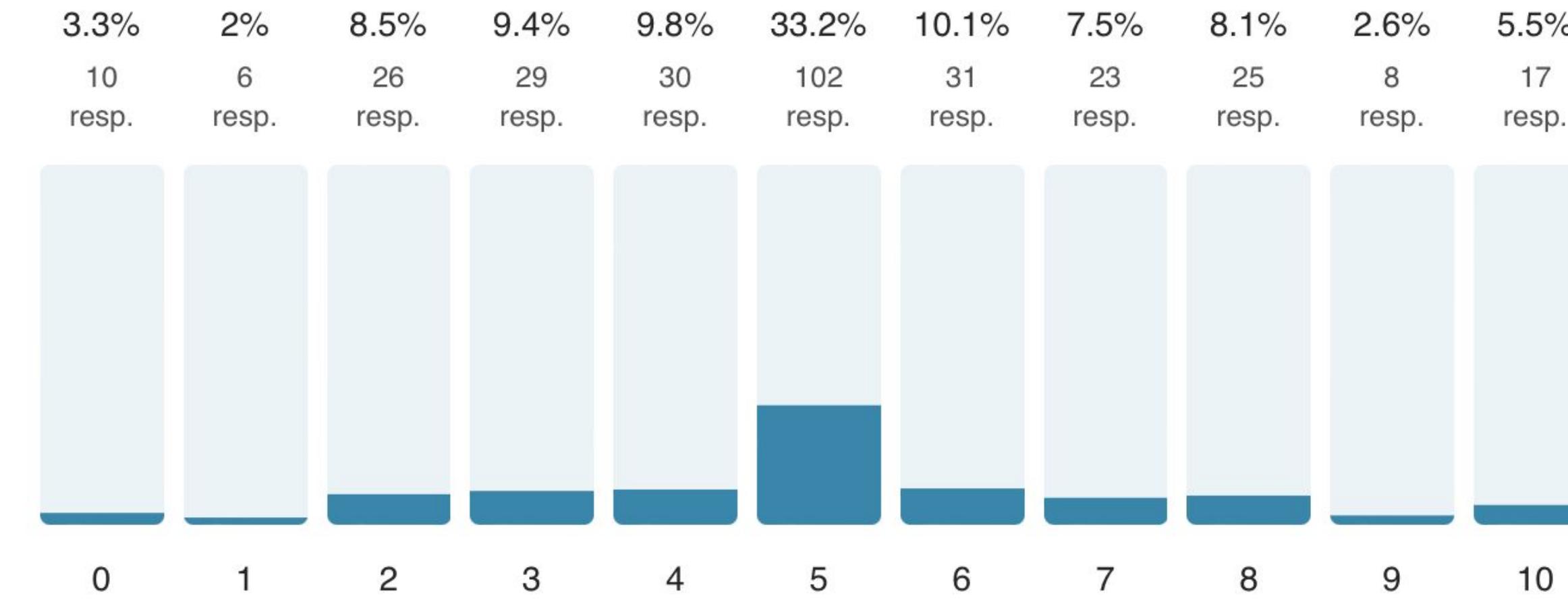
1 1 1 1 1

# And from this we learned these things...

How happy are you with existing social media for personal or technical exchange of information in the HPC and advanced computing space

307 out of 307 answered

## 5.1 Average rating



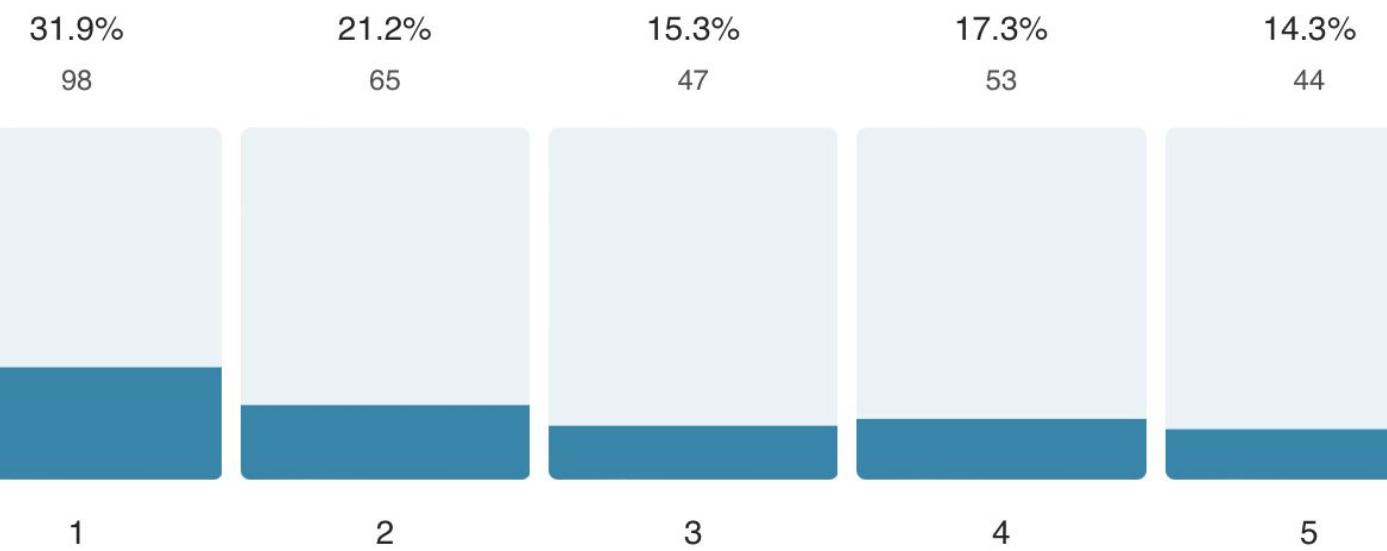
**People are not very happy with existing social media for HPC (average 50% rating).**

# They are interested both in exchanging technical information and in interacting with colleagues, and would like it paid by the community itself:

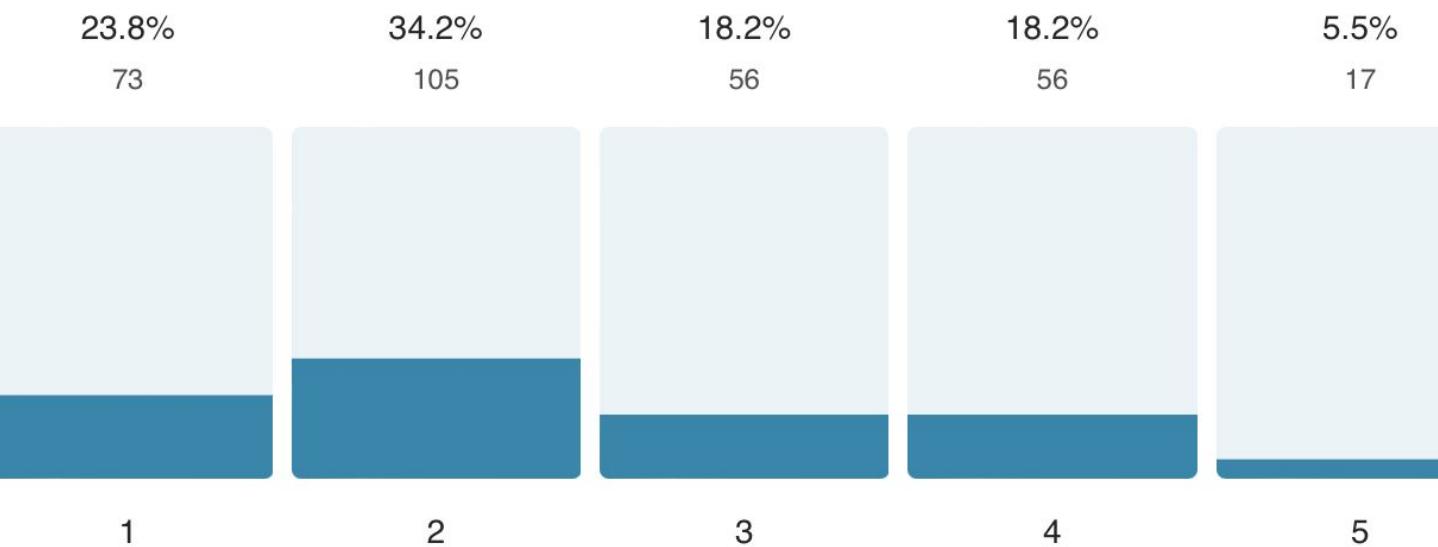
Rank the following in order in terms of your interests

307 out of 307 answered

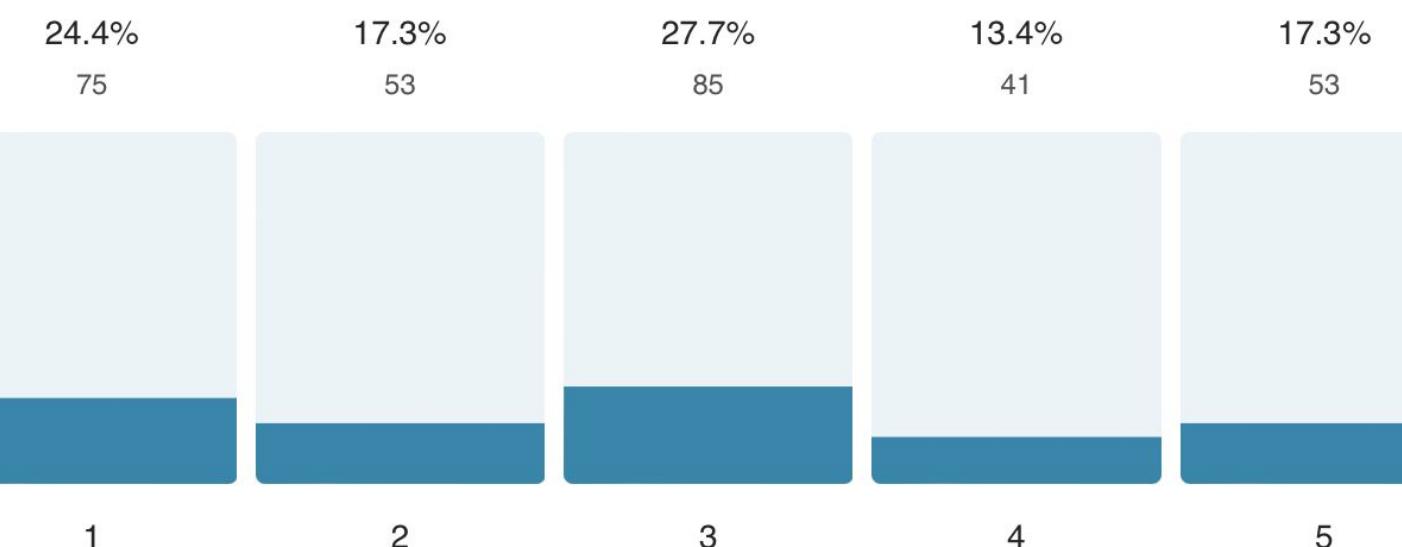
## Hardware technical info (new types, usage, deployments, etc.)



## Software technical info (Releases, updates, usage, etc.)



## Personal interactions with colleagues



What do you think would be the best way to pay for the operating costs of hosting HPC.social services?

307 out of 307 answered

Sponsorship from an HPC-oriented organization as outreach

220 resp. 71.7%

Industry sponsorships without paid posts

174 resp. 56.7%

Personal donations or subscriptions

151 resp. 49.2%

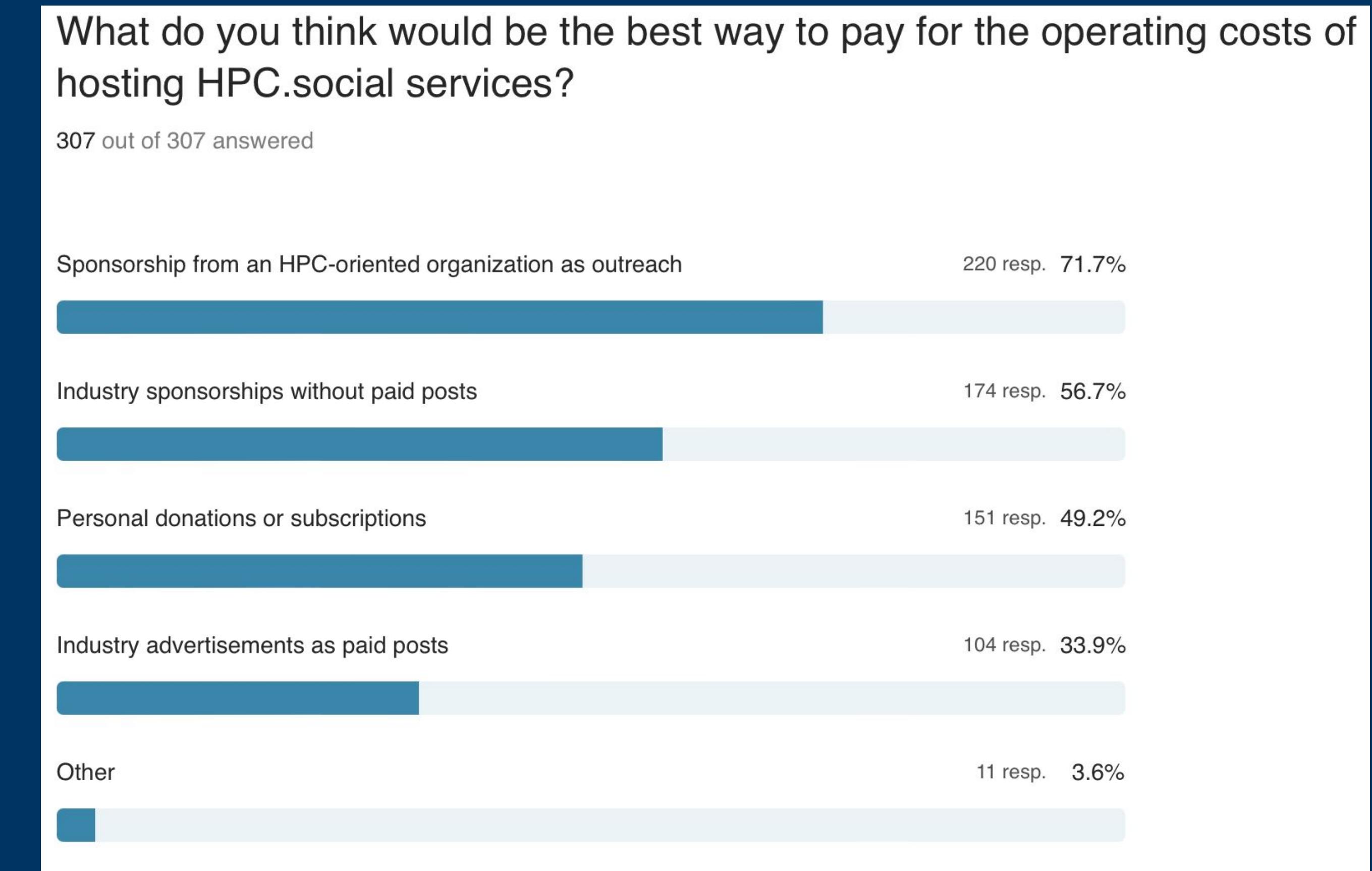
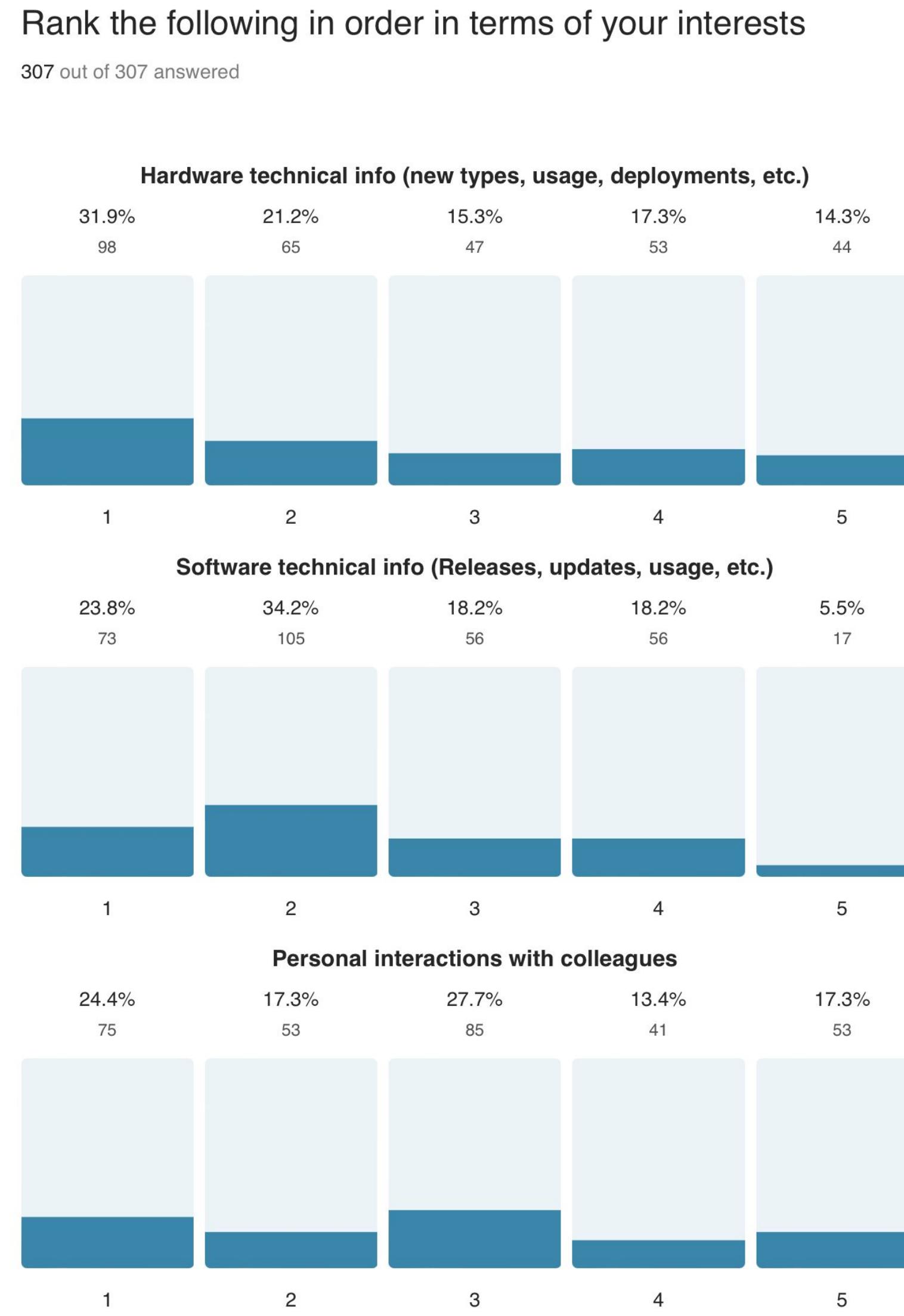
Industry advertisements as paid posts

104 resp. 33.9%

Other

11 resp. 3.6%

# They are interested both in exchanging technical information and in interacting with colleagues, and would like it paid by the community itself:



Also Alan knew that Vanessa had a bunch of ideas about how to create community tools!

Hello, I'm the “Vanessa” person!



And it grew into this:

The hpc.social projects

And it grew into this:



**HPC.social**

Practitioners and friends.

[Projects](#)

[News](#)

[Discussion !\[\]\(0230214116c86dbf511158ea2e1aae13\_img.jpg\)](#)

[Mastodon](#)

[Chat](#)

[Jobs](#)



And it grew into this:



HPC.social

Practitioners and friends.

[Projects](#)

[News](#)

[Discussion](#) ↗

[Mastodon](#)

[Chat](#)

[Jobs](#)



And it grew into this:



Our first effort:

<https://mast.hpc.social>

A Mastodon server professionally hosted and supported by the community

Started at SC November 2022  
Current accounts: 391 (April '23)



Join Us On Mastodon

Accounts 391

Local timeline

These are the most recent public posts from people whose accounts are hosted by mast.hpc.social.

Women in HPC (WHPC) @whpc 2h  
Our final #WHM2023 profile had to outsmart a volcanic eruption to pursue her passion! Dr Iva Kavčič, Scientific Systems Manager at the Met Office, talks about how her doctoral research led her to her career in #HPC: [buff.ly/3KnwscY](https://buff.ly/3KnwscY) #iamhpc #SC23

SC Conference Series on LinkedIn: #iamhpc #whm2023 www.linkedin.com

Jason Bowen @jbowen Happy #WorldBackupDay to everyone!

worldbackupday.com It's 3am. Do you know how to restore your data?

World Backup Day World Backup Day

Women in HPC (WHPC) @whpc For there to eventually be many, someone has to step up f the first female Director at Navy DSRC talks about her patl close #WHM2023: [buff.ly/40POrON](https://buff.ly/40POrON) #iamhpc #SC23

SC Conference Series on LinkedIn: My HPC career www.linkedin.com

mastodon

# Explore

Local

Federated

Sign in to follow profiles or hashtags, favourite, share and reply to posts. You can also interact from your account on a different server.

Sign in

Create account



ILLINOIS  
NCSA | National Center for Supercomputing Applications



Mastodon



# We added Slack and Discord by community request:



A screenshot of a Slack interface. The sidebar shows various channels like Threads, Direct messages, and #general. The main window is the #general channel, which has 171 members. A message from Will Shanks at 12:37 PM on Monday, April 10th, discusses the SC23 Student Cluster Competition applications being open. It includes a photo of people working at a cluster and a link to a Google Doc for informational webinar signup. A callout box at the bottom right of the message area says "Current members: 171".

Will Shanks 12:37 PM Monday, April 10th

We've opened up applications and finalized rules for the SC23 Student Cluster Competition please share with anyone who may be interested.

Are you looking to build a new team for the Student Cluster Competition? Are you an experienced team wanting to know about any rule changes? Then come to the SCC23 informational webinar put on by the SCC Committee. This is an opportunity for potential SCC teams to ask any questions about the rules or to get advice on how to build a successful team. There are several rules that are different from previous years including new per-node power limits and a power budget for networking equipment. We will also talk about how to form a successful team including new rules requiring half of the team members to have never participated in the SCC previously. We will hold this webinar twice although we will cover the same material in both webinars. Come either on Tuesday, April 18, at 9am MDT or on Thursday, April 20, at 6pm MDT. Signup [here](#) to receive an invite. Both webinars will be recorded and the recordings will be made available upon request. Send requests or any questions to [student-cluster-competition@info.supercomputing.org](mailto:student-cluster-competition@info.supercomputing.org).

**SCC23**

**Student Cluster Competition • SC23**

Student Cluster Competition (SCC) Applications open March 1, 2023. SCC Applications MAR 1, 2023 Applications Open MAY 15, 2023 Applications Close JUN 15, 2023 Notifications Sent teams & Process Teams are composed of six students, Est. reading time 13 minutes

**Google Docs**

**SCC23 Informational Webinar Signup**

Are you looking to build a new team for the Student Cluster Competition? Are you an experienced team wanting to know about any rule changes? Then come to the SCC23 informational webinar put on by the SCC Committee. This is an opportunity for potential SCC teams to ask any questions about the rules or to get advice on how to build a successful team. There are several rules that are different from previous years including new per-node power limits and a power budget for networking equipment. We will also talk about how to form a successful team including new rules requiring half of the team members to have never participated in the SCC previously. We will hold this webinar twice although we wi... Show more

Current members: 171

# Chat



# We added Slack and Discord by community request:

The Slack interface shows the #general channel. A post from Will Shanks on Monday, April 10th, discusses applications and rules for the SC23 Student Cluster Competition. Another post from Will Shanks on April 10th provides details about the competition, mentioning SCC Committee, informational webinar, and application deadlines. A screenshot of the Google Docs document titled "SCC23 Informational Webinar Signup" is attached to the message.

**Current members: 171**

The Discord interface shows the #general channel. A message from sramkrishna\_intc on March 27, 2023, asks if it's okay to post the CfP link in the channel. scienceman responds on March 28, 2023, suggesting an #events channel and #project-showoff. Hayden V Estes replies on March 28, 2023, suggesting a community-events channel. scienceman responds on March 29, 2023, thanking Hayden and mentioning automation for posts from the website. Hayden V Estes asks if anyone has been to LinuxCon/Open Source Summit and mentions a scholarship. hatom asks about travel/accommodation. Hayden V Estes replies on April 11, 2023, stating they are actually going to be in the area anyway.

**Current members: 134**

# Chat



And a community map to allow people to tell us where they and their HPC centers are:





Fill out the form below to add yourself to the community map! You can choose to identify yourself, or remain anonymous. If you are outside the United States, you can leave "State" blank and just provide a City and Country.

**Please provide fully written out names for all fields (e.g., "United States" and not "USA")**

What city are you located in?

What state are you located in?

What country do you live in?

Are you an individual or a group? Feel free to fill in the form multiple times for yourself and your group(s)!

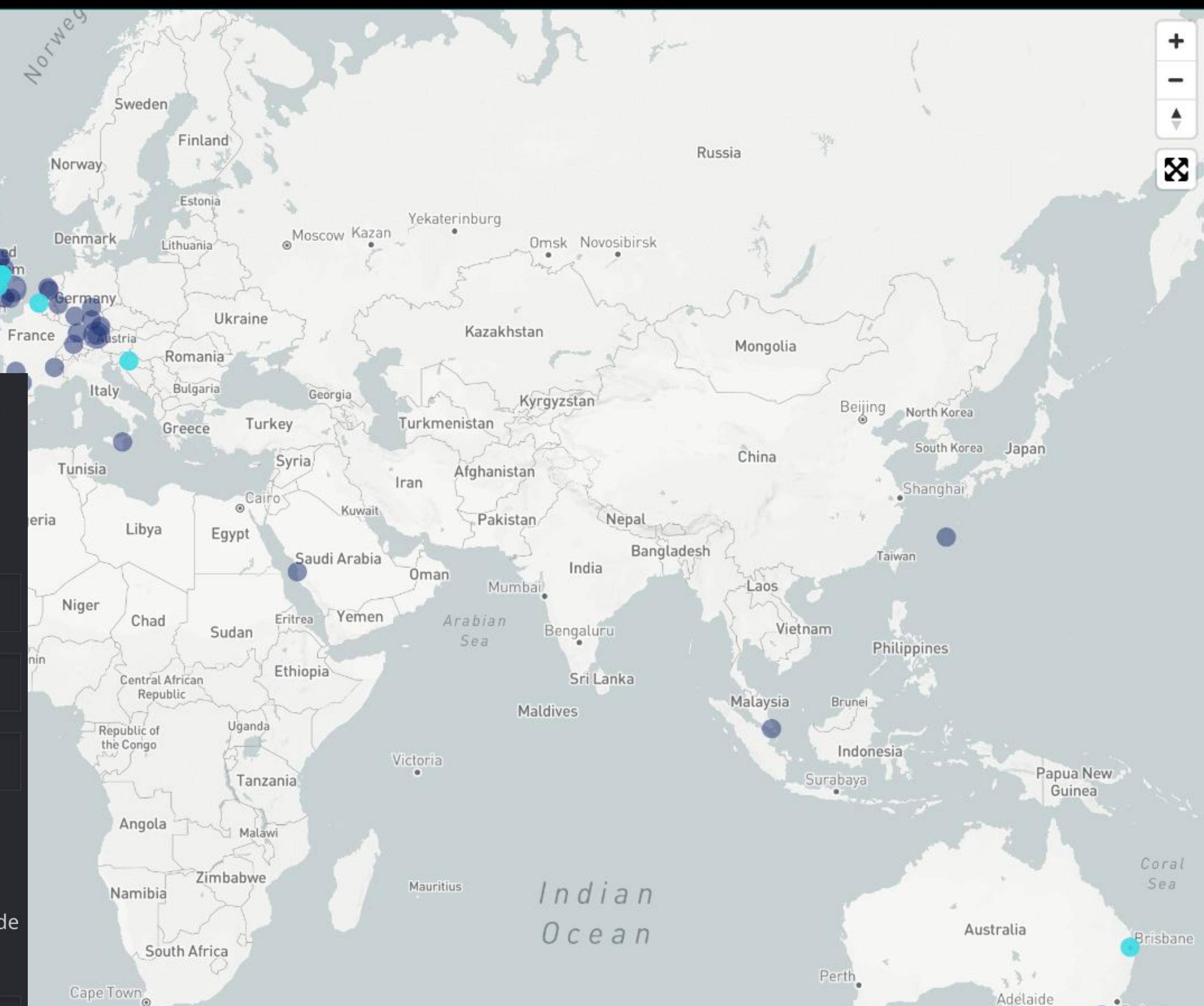
If you are filling this out on behalf of an HPC center or group and would like to share a link on the map, include the URL here.

<https://...>

Would you like to identify yourself, or your group?

**Submit**

# Community Map



# Podcasts



## Let's Talk Exascale

[Browse Let's Talk Exascale](#)

ECP's Let's Talk Exascale podcast goes behind the scenes to chat with some of the people who are bringing a capable and sustainable exascale computing ecosystem to fruition. Discussions revolve around the challenges, successes, and expected impact of the project.

Recent episodes that featured HPC projects included:

- [Episode 100](#): Reflecting on the 'Why' behind Supercomputing Simulations: Advancing Science
- [Episode 99](#): ECP's WarpX Team Successfully Models Promising Laser Plasma Accelerator Technology
- [Episode 98](#): Providing Exascale-Class Multiphysics Simulation Capability to Multiple Science Domains

Contact the Let's Talk Exascale podcast at [ECP-communications@ornl.gov](mailto:ECP-communications@ornl.gov)

## Developer Stories

[Browse Developer Stories](#)

As developers, we get excited to think about challenging problems. When you ask us what we are working on, our eyes light up like children in a candy store. So why is it that so many of our developer and software origin stories are not told? How did we get to where we are today, and what did we learn along the way? This podcast aims to look "Behind the Scenes of Tech's Passion Projects and People." We want to know your developer story, what you have built, and why. We are an inclusive community - whatever kind of institution or country you hail from, if you are passionate about software and technology you are welcome!

Recent episodes that featured HPC community projects and people have included:

- [Dr. Cuff](#): A look behind the scenes of our beloved Dr. Cuff
- [Tech Horror Stories](#): with many happening in a server room!
- [300 Nodes in a Closet](#): Fernanda's journey into high performance computing.

And browse more episodes at [the show site](#). Information about the show and how to be featured as a guest is on the [about page](#).

## Science in Parallel

[Browse Science in Parallel](#)

Science in Parallel focuses on the people of computational science and their interdisciplinary research to simulate climate change and the cosmos, understand viral infections, build alternative energy strategies and more – all using high-performance computing (HPC). Season 1 celebrated the 30th anniversary of the Department of Energy Computational Science Graduate Fellowship (DOE CSGF) program and was shortlisted for 2022 Best Technology Podcast from the Publisher Podcast Awards. Season 2 will highlight how the COVID-19 pandemic has reshaped computational science workplaces and careers, with in-depth conversations about HPC's future. Science in Parallel Season 2 focused on HPC workforce and workplace changes since 2020. Notable episodes include:

- Future of Work Part 1 and Part 2 examine the impact of remote work on computational science and HPC and featured Elaine Raybourn of Sandia National Laboratories among others.
- Two PhDs + Pandemic + Baby features an interview with two computational science Ph.D. students who talk about how COVID-19 shaped their career paths and perspectives on life and work.
- In You're Moving to Finland? Jeff Hammond of NVIDIA discusses career changes and his big move to Finland in 2021.
- Improving Computing Performance and Workforce Diversity features an interview with Valerie Taylor of Argonne National Laboratory about the Threadwork project and her work to support underrepresented communities in computing.
- Pushing Limits in Computing and Biology features an interview with Anda Trifan (now a computational sciences investigator at GSK) and Amanda Randles of Duke University.

Browse more episodes on [the show page](#) or also find your favorite podcast subscription service there!



hpc.social



High Performance Computing

Practitioners

and friends /#hpc



## Posts

gaborsamu	LSF client on macOS - submitting from your laptop	01.03.2023
gaborsamu	Monitoring .-.-.-.- (IBM Spectrum LSF) with the TIG stack	24.01.2023
ajdecon	Adam's weekly (-ish) update, 2022-12-20	20.12.2022
gaborsamu	Visualizing Spectrum LSF data with Grafana	13.12.2022
ajdecon	Adam's weekly update, 2022-12-04	05.12.2022
markhpc	An Initial Look at Deep Learning IO Performance	28.11.2022
ajdecon	Adam's weekly update, 2022-11-27	27.11.2022
glennklockwood	SC'22 Recap	24.11.2022
vsoch	Converged Computing	18.11.2022
markhpc	Ceph OSD CPU Scaling - Part 1	08.11.2022
vsoch	Containerize It, Baby!	03.11.2022
ajdecon	happy living close (-ish) to the metal	02.11.2022
ajdecon	The web services I self-host	30.10.2022

Community  
Blog



hpc.social



High Performance Computing  
Practitioners  
and friends /#hpc



## hpc.social blogs

**Personal Blog Aggregator** the "soul" of the HPC community -  
HPCers who are personally invested in the minutiae of the work they  
are doing, the projects they are working on with some content about  
their culture and pet pictures :D - things that we all find in common and  
share and talk about.

[rss](#) [atom](#) [json](#)

**Community Blog Aggregator** Content from people who  
represent projects, ecosystems, or governance boards that talk about  
specific community interested content around the work they represent.  
The content range from release notes, tricks and tips, discussion  
around tooling and infrastructure, and other things that are neutrally  
branded. Discussion of branded topics like CUDA, SYCL, and oneAPI  
are ok - discussions about hardware are ok. Product announcements  
are not ok especially.

[rss](#) [atom](#) [json](#)

**Commercial Blog Aggregator** Content for vendor and  
company voices that don't fit in the personal or community spaces. We  
advocate for learning resources, tutorials, and related content, and  
discourage advertising or similar.

[rss](#) [atom](#) [json](#)

# Community Aggregated Blogs



Search by keyword

Job Type

Location

Employer

Posted after

Remote Options

Show jobs that were posted on (and after) selected date

Show 20 ▾ jobs

Name	Job Type	Employer	Location	Expires	Posted	Remote Options
Sr HPC Infrastructure Engineer	Full-Time	Tesla	Palo Alto, CA	4/30/2023	3/9/2023	Fully onsite
Cloud HPC / Cluster Developer	Full-Time	PSSC Labs	Irvine, CA	5/1/2023	3/8/2023	Remote friendly
Assistant Director for Engagement	Full-Time	The National Center for Supercomputing Applications	Urbana, Illinois	3/20/2023	3/7/2023	Remote friendly
Senior Assistant Director of Strategic Initiatives	Full-Time	The National Center for Supercomputing Applications	Urbana, Illinois	3/20/2023	3/7/2023	Remote friendly
HPC Senior Systems Engineer	Full-Time	Northwestern University	Evanston, IL	6/1/2023	3/30/2023	Hybrid
HPC Systems Engineer	Full-Time	Northwestern University	Evanston, IL	6/1/2023	3/30/2023	Hybrid
HPC Lead Systems Engineer	Full-Time	Northwestern University	Evanston, IL	6/1/2023	3/30/2023	Hybrid
HPC Infrastructure Engineer	Full Time	Berkely Square IT	Europe	5/21/2023	3/28/2023	Fully remote

# Jobs Board



hpc.social



High Performance Computing  
Practitioners  
and friends /#hpc



## About the hpc.social Jobs

We aspire to provide a job board that is easy to search and contribute to! Criteria for your job should generally be something related to high performance computing, whether that is a linux administrator, an application developer, or a user-support specialist. You can use your best judgment. Any jobs reported by a community member to not be within this scope will be put up for discussion to the larger community and removed if deemed not in scope. To add a job, you can either [open a pull request](#) to directly add a new addition to the `_data/jobs.yaml` file, or [fill out our form](#). The form is also provided here for convenience. Submissions are validated nightly, and links checked for spam or otherwise malicious content. If you don't see your job appear the next day, please open an issue [here](#). You can also retrieve the latest jobs via any of these feeds:

[feed.json](#) [atom.xml](#)

## Submit A Job

Title

E.g. "Linux Administrator" or "Applications Developer"

Employer

The name of your company, institution, or group.

Link to Posting

Please provide a link to the primary job posting or description.

Location

E.g. "Boulder, CO" or "Remote"

Jobs  
Board

 **jobs-bot APP** 4:23 AM  
New #HPC Job! 😍: Title: PhD/Postdoc in High-Performance Computing and Machine Learning  
Location: Jena, Germany  
Employer: Scalable Data- and Compute-intensive Analyses Group (<https://scalable.uni-jena.de>)  
Remote: Fully onsite  
<https://jobs.uni-jena.de/jobposting/2c690fe3a29a0500ccff060036ff98ee0739a5430> (edited)  
[scalable.uni-jena.de](https://scalable.uni-jena.de)  
**Scalable Analyses**  
We tackle computationally demanding challenges in research and industry by covering the involved disciplines from the bare metal of computer architectures to fully automated production workflows.

All of these positions are posted after review to the hpc.social Mastodon by the @jobs-bot@mast.hpc.social bot and to the hpc.social Slack and Discord servers in the #jobs-and-internships channels for wider distribution

**HPC.social** ▾   
[🔗 Upgrade Plan](#)  
# hpc-huddle  
# humor  
# integrations  
# introductions  
**# jobs-and-internships**  
# pets-of-hpc  
# project-showoff  
# random  
# rants  
# security  
# software  
+ Add channels  
▼ Direct messages  
Slackbot  
Alan Sill (TTU) you  
David Brayford  
FCLC (Needs a job)  
Kenneth Hoste  
Kenneth Hoste, v  
Todd Gamblin  
West  
+ Add coworkers  
Apps  
GitHub  
NSECASG - L. D.

**# jobs-and-internships** ▾  
4:24 New #HPC Job! 😊: Title: Research Engineer on Benchmarking Location: Bordeaux, France Employer: Inria Remote: Remote friendly <https://recrutement.inria.fr/public/classic/en/offres/2023-057>  
 **Inria**  
**Engineer F/M: Benchmarking of applications' I/O behavior (performance and energy consumption)**  
Offre d'emploi Inria

 **jobs-bot APP** 9:24 AM  
New #HPC Job! 🚀: Title: Technical Manager for HPC Location: Durham, England Employer: University of Durham Remote: Fully onsite [https://durham.taleo.net/careersection/du\\_ext/jobdetail.ftl?job=durham.taleo.net](https://durham.taleo.net/careersection/du_ext/jobdetail.ftl?job=durham.taleo.net)  
**Technical Manager for High Performance Computing**  
Click the link provided to see the complete job description.

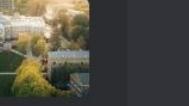
New #HPC Job! 🚀: Title: Research Software Engineer Location: Durham, England Employer: University of Durham Remote: Fully onsite [https://durham.taleo.net/careersection/du\\_ext/jobdetail.ftl?job=durham.taleo.net](https://durham.taleo.net/careersection/du_ext/jobdetail.ftl?job=durham.taleo.net)  
**Research Software Engineer**  
Click the link provided to see the complete job description.

 **jobs-bot APP** 2:24 PM  
New #HPC Job! 🎉: Title: Broadband Data Specialist Location: Oahu, HI/Remote Employer: University of Hawaii Remote: Remote friendly

**HPC.social** ▾   
GOAL: LVL 2 2/7 Boosts >  
Server Guide  
Events  
Channels & Roles  
ADMINISTRATORS  
? INFORMATION ?  
GENERAL  
automated-builds  
# introductions  
# general  
# media-share  
# pets-of-hpc  
# project-showoff  
# jobs-and-internshi...    
# humor  
# hpc-huddle  
# community-events  
MISC 

**# jobs-and-internships**  
[https://careers.northwestern.edu/psc/hr857prd\\_ER/EMPLOYEE/HRMS/c/HRS\\_HRAM/Page=HRS\\_APP\\_JBPST\\_FL&Action=U&FOCUS=Applicant&SiteId=1&JobOpeningId=46](https://careers.northwestern.edu/psc/hr857prd_ER/EMPLOYEE/HRMS/c/HRS_HRAM/Page=HRS_APP_JBPST_FL&Action=U&FOCUS=Applicant&SiteId=1&JobOpeningId=46) April 14, 2023

 **Jobs Bot BOT** 04/14/2023 3:20 PM  
New #HPC Job! 😊: Title: Research Cyberinfrastructure Specialist Location: Madison, WI Employer: University of Wisconsin-Madison Remote: Fully onsite <https://go.wisc.edu/cttc-cyberinfrastructure-research-specialist>

**Recent Jobs at UW-Madison**  
Find jobs at University of Wisconsin-Madison 

 **Jobs Bot BOT** Today at 5:20 AM  
New #HPC Job! 💬: Title: HPC Support Engineer (f/m/d) Location: Saint-Gallen, Switzerland Employer: Meteomatics Remote: Remote friendly <https://careers.meteomatics.com/jobs/2398921-hpc-support-engineer-f-m-d> 

**Meteomatics**  
**HPC Support Engineer (f/m/d) - Meteomatics**  
Product Development | Full Time | St. Gallen, Switzerland . What's the weather like tomorrow? ☁. How much energy will my solar power plant generate this week? Is this flight path safe and eff...

# Jobs Board Cross-Posting

Search by keyword

Repository	Tags	Posted by	
Show 20 jobs		Clear search	
Title	Repository	Tags	Posted By
<a href="#">[Feature Req.] power spectrum function in py21cmfast</a>	21cmfast/21cmFAST	context-python-wrapper,type-feature-code	NGillet
<a href="#">If you get "Segmentation fault", please read!</a>	3fon3fonov/exostriker	bug,enhancement,help-wanted	3fon3fonov
<a href="#">Check the language, clarity and consistency of documentation</a>	adbar/htmldate	up-for-grabs	adbar
<a href="#">verdi setup could automatically set up localhost</a>	aiidateam/aiida-core	priority/nice-to-have,topic/config,type/feature-request	Italirz
<a href="#">Recommend a new default value of gravity.abs_tol</a>	AMReX-Astro/Castro	gravity,help-wanted,study	maxpkatz
<a href="#">Post an issue</a>	andyphilips/dynamac		andyphilips
<a href="#">chunk_layer is memory-inefficient</a>	aqlaboratory/openfold	enhancement,help-wanted	gahdrizt
<a href="#">Create reduction mode straight from files instead of requiring user config sheet</a>	arjunsavel/SimMER	enhancement	arjunsavel
<a href="#">MICADO Docs, show how to change Seeing with AnisoCADO PSF</a>	AstarVienna/irdb	IRDB,documentation,help-wanted	AstarVienna
<a href="#">METIS calibration pinhole mask</a>	AstarVienna/ScopeSim_Templates	ScopeSim-Templates,enhancement	astronomyk
<a href="#">Add option to project `separation` onto an ellipse</a>	astropy/astropy	Effort-low,Feature-Request,Package-novice,coordinates	eteq
<a href="#">Add "thomas_fermi" option for un-</a>	atomec-project/atoMEC	enhancement	timcallow

Tags

Tags	Posted by
0.4	
API	
API-changes	
Docs	
Documentation	
Dolo-Integration	
ECS-Hack-Week	
ENH	
Effort-Medium	
Effort-low	
Enhancement	
Error-Reporting	
Examples	
Expertise-Prob-and-Stats	
Feature	
Feature-Request	
Function-Distributions	
GSoC	
gql	
gql-lab	
gql-lab-client	
gql-lab-client-aqlaboratory/openfold	
gql-lab-client-aqlaboratory/openfold-enhancement,he	

# Good First Issues links for HPC software projects



## Research Software Ecosystem

This is an automated analysis that uses the Research Software Engineering Community Database and software to generate high level metrics to describe the ecosystem. We use [CiteLang](#) to parse dependency files and generate the analysis. Currently, outputs include:

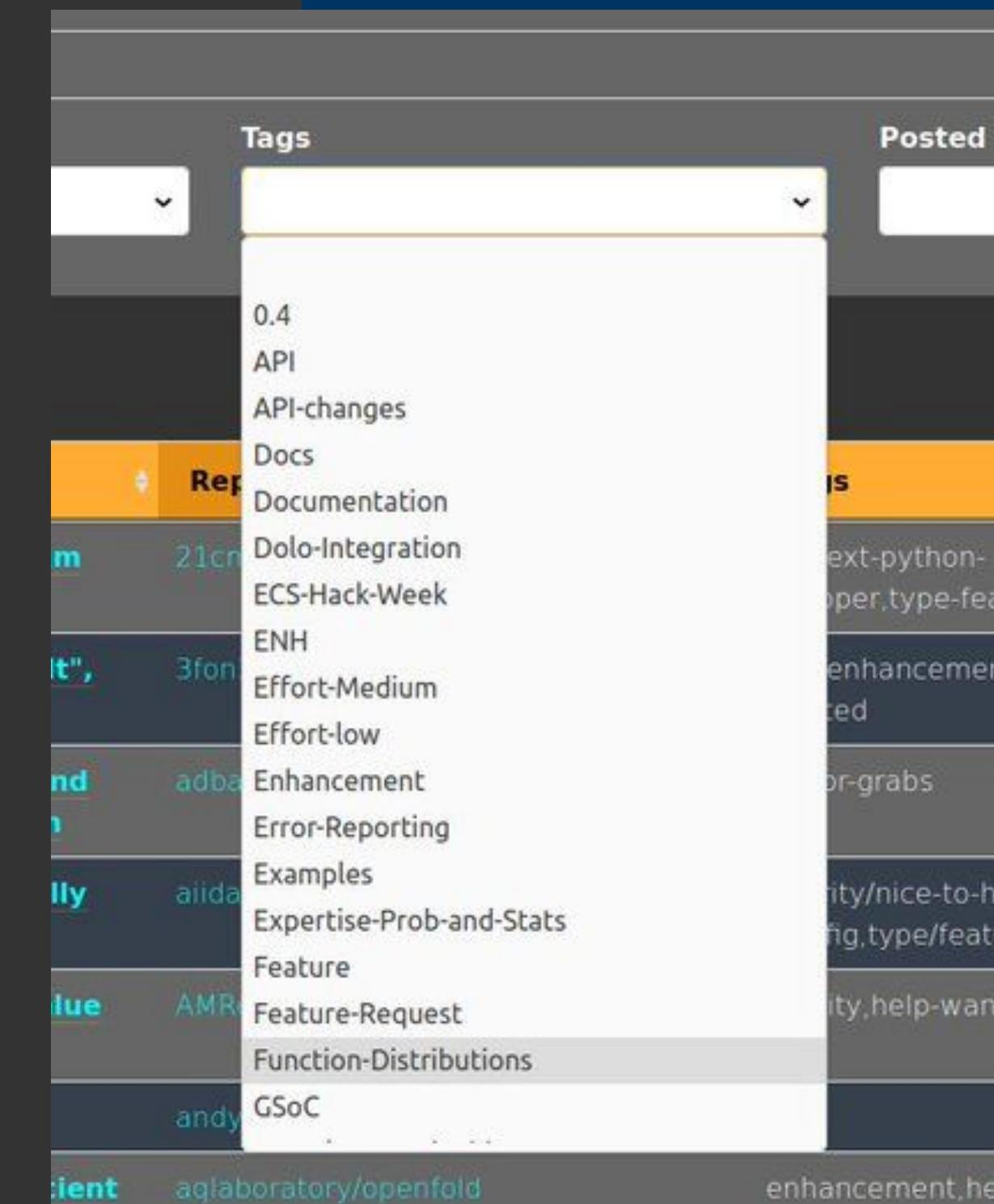
- 4681 total repositories
- 2428 total parsed
- 4169 Python dependencies
- 2147 R dependencies
- 436 C++ dependencies
- 245 Go dependencies
- 1463 Js dependencies

Of course these numbers are hugely influenced by the languages present in research software engineering projects, which tend to be Python and R, and those that we are easily able to parse metadata for. This means that a common language (C++) by way of not having consistently parseable formats is not well-represented. However, we can get better! This is run on a regular basis and you can improve the parsing by simply contributing to [CiteLang](#). We invite you to explore the current results below.

[Languages](#) [Repositories](#) [Dependencies](#)

[Post an issue](#)

Project	Owner	Tags
openfold	andyphilips	enhancement,help-wanted
ER	gahdrizt	enhancement
	arjunsavel	
	AstarVienna	IRDB,documentation,help-wanted
METIS calibration pinhole mask	AstarVienna/ScopeSim_Templates	ScopeSim-Templates,enhancement
Add option to project `separation` onto an ellipse	astropy/astropy	Effort-low,Feature-Request,Package-novice,coordinates
Add "thomas_fermi" option for un-	atomec-project/atoMEC	enhancement
	timcallow	



The screenshot shows a list of GitHub issues for the `openfold` repository. The issues are filtered by the 'enhancement' and 'help-wanted' labels. The list includes issues such as 'openfold', 'ER', 'IRDB,documentation,help-wanted', 'METIS calibration pinhole mask', 'Add option to project `separation` onto an ellipse', and 'Add "thomas\_fermi" option for un-'. Each issue has a title, the user who created it, and the labels applied.

# Good First Issues links for HPC software projects

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gql-lab	
gql-lab-client	
gql-lab-client-aqlaboratory/openfold	
gql-lab-client-aqlaboratory/openfold-enhancement,he	

# Good First Issues links for HPC software projects



Events Coming soon! Times are in UTC

hpc.social



High Performance Computing  
Practitioners  
and friends /#hpc



< > today

March 2023

month week day list

Sun	Mon	Tue	Wed	Thu	Fri	Sat
W9 26	27	28	1	2	3	4
W10 5	6	7	8	9	10	11
W11 12	13	14	15	16	17	18
W12 19	20	21	22	23	24	25
W13 26	27	28	29	30	31	1
W14 2	3	4	5	6	7	8

Events  
Calendar  
(work in  
progress)

# Where to find all this:

Web site:  
<https://hpc.social>



**HPC.social**

Practitioners and friends.

[Projects](#)  
[News](#)  
[Discussion](#)  
[Mastodon](#)  
[Chat](#)  
[Jobs](#)



Mastodon:  
<https://mast.hpc.social>

hpc.social

HOME / PROJECTS

# Projects

DESCRIPTION

These are community maintained projects! Do you want to contribute or add a project? Let us know!

Jobs  
Opportunities in the HPC social community.

Chat  
Chat with the community!

Creation and features based on community surveys  
(further ideas welcome)

AS an industry participant, what is (are) your role(s)?  
83 out of 307 answered

Role	Responses	Percentage
Software development	44 resp.	53%
Hardware development	24 resp.	28.9%
General management	19 resp.	22.9%
Sales or product awareness	19 resp.	22.9%

Community Surveys  
hpc.social community surveys

Community Map  
Starting a map of community members

Podcasts  
Community member voices

Current  
sponsors:

OpenGridForum

**ILLINOIS**  
NCSA | National Center for Supercomputing Applications

Cloud and Autonomic Computing Center

Plus: Cooperative deployment and interaction with

- HPC Hallway Huddle - weekly informal discussion
- HPC Carpentry - lesson development with The Carpentries
- Hardware, software, and discussion channels in Slack and Discord
- Dedicated and open-to-all Mastodon instance
- Podcasts with RSE / developer community focus
- Syndicated blogs (add your own - personal, community, etc.!)

**Most of this is in an  
open public code  
repository to which  
you can contribute!**

**Community Driven!**

**Multiple Projects:**

**Social and Communication Resources**

**Open To All!**

**Repository-Based**

**Community Sponsored**

**Jobs Board**

**Events**

**Blogs**

**And more...**

**We think you're gonna like it here.**

**hpc.social**  
Meet your colleagues in a new environment  
33 followers | https://www.hpc.social | @hpc\_social | info@hpc.social | Verified

**Overview** | **Repositories** 13 | **Projects** | **Packages** | **Teams** | **People** 8 | **Settings**

**README.md**

Welcome to hpc.social! 😎

We are a community of high performance computing practitioners and friends. This is our GitHub space, and some links to help you find what you are looking for.

**Community**

- hpc.social: visit our main community portal at hpc.social!
- Community Map: to see centers and groups and community members, or add yourself to the map
- Projects: showcasing initiatives from our community
- Syndicated Blogs: the voices of our community, all in one place.
- Community and Project Discussions: share your thoughts on ideas and add your own!
- Jobs: share and find opportunities in our community
- Support Us: via GitHub sponsors! See our current organizational sponsor list here.

**Mastodon**

Accounts 381

- About our Mastodon: hosted at mast.hpc.social where we connect and have fun discussion!
- Join Us On Mastodon: a direct sign-up link to create an account.
- Jobs Bot: say hello 🚀 to our jobs bot on Mastodon!
- Profiles: profiles directory to find people on our server and elsewhere
- Invite People to Mastodon: once you've signed up (including option to send them a link to follow you)
- Privacy Policy: and see also links in the "About" starting page
- Discussion and Issues: questions, discussions, or other public discourse about the server.

**hpc-social.github.io**

- SCSS ★ 12 Updated 16 minutes ago
- jobs CSS ★ 0 Updated 1 hour ago
- events CSS ★ 0 Updated 4 hours ago
- blog HTML ★ 5 Updated 19 hours ago
- personal-blog Python ★ 3 Updated 19 hours ago

**View all repositories**

**Create new repository** | **Import**

**People**

Invite your people

Invite your first member

Customize members' permissions

Invite someone

<https://github.com/hpc-social>

# What comes next?

# What would you like to see?

- Events automation (bots posting on slack, etc.)
- Annual hpc.social virtual social event (interactive game or similar)
- Annual community survey

# What would you like to see?

- Events automation (bots posting on slack, etc.)
- Annual hpc.social virtual social event (interactive game or similar)
- Annual community survey
- Something else?

# Thank you!

Alan Sill

@alansill

Vanessa Sochat

@vsoch



<https://github.com/hpc-social>

<https://hpc.social>