



ERCAP

Energy Research Computing Allocation Process

AY 2023



Clayton Bagwell

Business Operations & Support Group
NERSC Account and Allocation Support

- ***Energy Research Computing Allocations Process (ERCAP)***

- o Accessed through the ERCAP Application Interface at:
 - <https://ercap.nersc.gov>
 - Use your NERSC username, password, and One-Time Password
- o Renew current projects and request new projects
- o Science objectives, approach, and resource requirements
 - Computer time, Archival and Community storage space
- o Reviewed and awarded by DOE Office of Science Programs
- o Allocation awards for renewals are announced in December
 - Allocation Year (AY) 2023 starts January 18, 2023

ERCAP AY 2023 Milestones

- ERCAP open for AY 2023 requests - August 15, 2022
- ERCAP submissions due October 3, 2022
 - ERCAP requests can be submitted year round, but the vast majority of time is allocated to projects that submit by Oct. 3
 - There may be no time available in your area for submissions after the deadline
- DOE Office of Science program managers in your field review the proposals and make awards
- Award announcements the week of December 12, 2022
- AY 2023 starts January 18, 2023

Unit of Currency: Node Hours

- Allocations, charging and usage tracking for 2023 will be in units of Node Hours
- Two distinct allocation pools that are not interchangeable
 - CPU Node Hours
 - GPU Node Hours
- One **CPU Node Hour** is charged for running on one Perlmutter CPU-only node for one hour.
- Similarly, one **GPU Node Hour** is charged for running on a single Perlmutter GPU-accelerated node for one hour

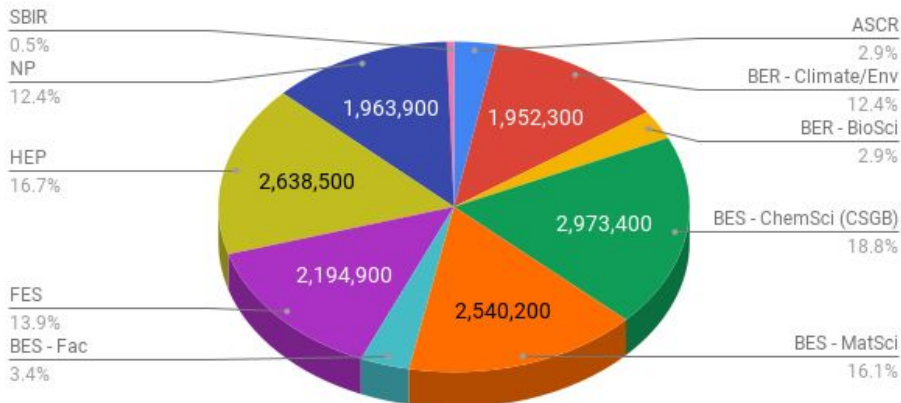
Available CPU Time and Distribution

The CPU time available for AY 2023 is
~15.79 Million **CPU Node Hours**

To help you size your request, we
have published the total allocation
available for each Office of Science
area at

<https://bit.ly/3bAsmzS>

AY2023 CPU Distribution by Program



Available GPU Time and Distribution

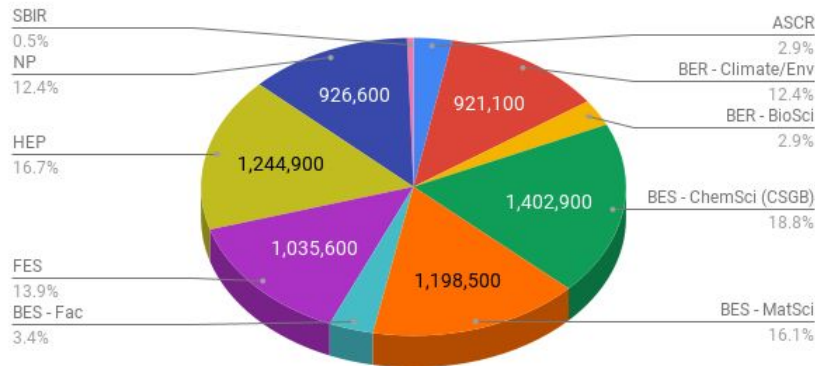
The amount of GPU time available for AY 2022 will be ~7.45 Million **GPU Node Hours**

To help you size your request, we have published the total allocation available for each Office of Science area at

<https://bit.ly/3bAsmzS>

Check <https://docs.nersc.gov/applications/> to see if your software application will be installed for Perlmutter GPU nodes or is known to have a GPU version available

AY2023 GPU Distribution by Program



Getting Assistance

You can contact us with questions or about any problems you may be having at any time.

- Email: allocations@nersc.gov

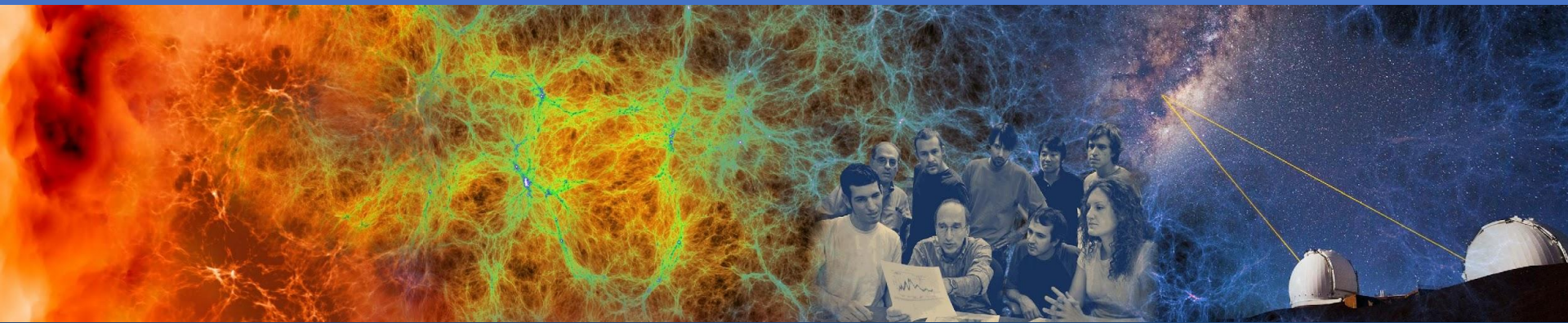
Questions about popular GPU application availability and performance on Perlmutter GPUs:

- Submit a ticket at: <https://help.nersc.gov/>

Join us for ERCAP Office Hours

- August 25, September 15 & 29, October 3, 2022
 - 09:00 PDT - 12:00 PDT and 13:00 PDT - 16:00 PDT
- Join us on Zoom to get hands-on help
 - Zoom session login information is online here: <https://bit.ly/3tHuvOF>

Demonstration



ERCAP Requests Homepage

Filter navigator

★

🕒

NERSC Help Desk

ERCAP Requests

Create a New Request AY2022

Renew a Previous Year's Request

Create a New Request AY2021

Manage My Requests

New Requests

Click the appropriate button to begin a request.

ERCAP Year

2022
(Jan 19, 2022 - Jan 18, 2023)

2021
(Jan 20, 2021 - Jan 18, 2022)

Begin a Request

Request a New Project for 2022

Request a Project Renewal for 2022

Request a New Project for 2021

Draft Requests

Click the ERCAP number to continue editing.

ERCAP Number	Project Title	Label	Project	Allocation Year ▼	State
No records to display					

Submitted Requests Under Review

Click the ERCAP number to view.

ERCAP Number	Project Title	Label	Project	Allocation Year ▼	State
ERCAP0019748	Test project for AY 2022	Test ERCAP	testmpp	2022	Submitted for Review

Previous Requests

Click the ERCAP number to view.

Start Request Options

The screenshot shows the NERSC ERCAP Requests interface. On the left is a dark blue sidebar with a 'Filter navigator' at the top. Below it are icons for a folder, a star, and a clock. The sidebar menu includes 'NERSC Help Desk', 'ERCAP Requests', 'Create a New Request AY2023', 'Renew a Previous Year's Request', 'Create a New Request AY2022', and 'Manage My Requests'. The main content area is titled 'ERCAP Requests' and contains a section 'New Requests' with the instruction 'Click the appropriate button to begin a request.' Below this, there are two columns: 'ERCAP Year' and 'Begin a Request'. The 'ERCAP Year' column lists '2023 (Jan 18, 2023 - Jan 16, 2024)' and '2022 (Jan 19, 2022 - Jan 18, 2023)'. The 'Begin a Request' column contains three buttons: 'Request a New Project for 2023' (blue), 'Request a Project Renewal for 2023' (green), and 'Request a New Project for 2022' (blue). Red arrows indicate the flow from the sidebar menu to the buttons: 'Create a New Request AY2023' points to 'Request a New Project for 2023'; 'Renew a Previous Year's Request' points to 'Request a Project Renewal for 2023'; 'Create a New Request AY2022' points to 'Request a New Project for 2022'.

ERCAP Requests

New Requests
Click the appropriate button to begin a request.

ERCAP Year

2023
(Jan 18, 2023 - Jan 16, 2024)

2022
(Jan 19, 2022 - Jan 18, 2023)

Begin a Request

Request a New Project for 2023

Request a Project Renewal for 2023

Request a New Project for 2022

ERCAP Request - Help Text

Click the **magnifying glass** icon to select from a list.

Place the **mouse over** any label text for a description of what to enter.

The asterisks (*) next to labels and in the tabs indicate there is information that is mandatory for the request.

To submit a renewal, click the **"This request is a renewal"** checkbox below.

This request is a
renewal. ☒

To search for a past request, click
the magnifying glass next to the
below field.

* ERCAP Number
of Request to Renew

ERCAP Number

ERCAP0099999

* Project Title

* Label

* PI Name

Pi, Test (tpi)

Allocation Year

2099

State

Draft

* Project Class

DOE Mission Science

* [Program](#)

* Science
Category

Project

Personnel

Funding*

Security*

Project Details*

Resources*

Codes

Supporting Information*

Usage Agreement*

To attach a supporting document, click the paperclip icon at the top of the page. When done, click the X to close the window.

Colorful Help Text

Mandatory/Missing Items

Click the **magnifying glass** icon to select from a list.

Place the **mouse over** any label text for a description of what to enter.

The asterisks (*) next to labels and in the tabs indicate there is information that is mandatory for the request.

To submit a renewal, click the **"This request is a renewal"** checkbox below.

This request is a
renewal. ☐

ERCAP Number

*

* Label

* PI Name

Asterisks to Indicate Mandatory/Missing Data

Allocation Year

State

* Project Class

* [Program](#)

* Science
Category

Project

Personnel Funding* Security* **Project Details*** Resources* Codes Supporting Information* Usage Agreement*

To attach a supporting document, click the paperclip icon at the top of the page. When done, click the X to close the window.

Hover Text and Info Links

[<](#) **ERCAP Requests - ERCAP0016424** [New record](#) [Manage Attachments](#) [Save as Draft](#) [Create PDF](#) [Submit for Review](#)

Draft

Submitted for Review

Approved

Provisioned

Click the **magnifying glass** icon to select from a list.

Place the **mouse over** any label text for a description of what to enter.

The asterisks (*) next to labels and in the tabs indicate there is information that is mandatory for the request.

To submit a renewal, click the **"This request is a renewal"** checkbox below.

This request is a renewal. ☐

ERCAP Number

* Label

* PI Name

Select the DOE Program to review this request. For research grants funded by the DOE Office of Science, you should typically select the same Program that provided the grant; otherwise, select the Program whose mission best aligns with your project. See <https://www.nersc.gov/users/accounts/allocations/overview> for more information on DOE Office of Science Programs.

* [Program](#)

* Science Category

Project

Personnel

Funding*

Security*


Project Details*

Resources*


Codes


Supporting Information*

Usage Agreement*



13

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Bringing Science Solutions to the World

U.S. DEPARTMENT OF
ENERGY Office of
Science

Search Options

* Allocation Year

State

* Project Class

* Program

* Science Category

Project

Showing 1 through 15 of 21

ALCC - ALCC Base awards

ASCR - Advanced Scientific Computing Research

BER - Biological Systems Science

BER - Earth and Environmental Systems Sciences Division (E

BES - Chemical Sciences, Geosciences, & Biosciences (CSG

BES - Materials Sciences and Engineering

BES - Scientific User Facilities

FES - Fusion Energy Sciences

HEP - High Energy Physics

NERSC - NERSC Projects

NERSC DDR - DDR Base

NERSC DDR - DDR Campaign

NERSC DDR - DDR ECP

NERSC DDR - DDR Industry

NERSC DDR - DDR Scale

ation Year

State

ject Class

Program

Science Category

Project

BER - Earth and Environmental Systems Sciences Division (E

BES - Chemical Sciences, Geosciences, & Biosciences (CSG

BES - Materials Sciences and Engineering

FES - Fusion Energy Sciences

Click on
Magnifying
Glass

* Allocation Year

State

* Project Class

* Program

ERCAP DOE Office Programs

Search

1 to 22 of 22

All

Program - Subprogram ▲ Allocation Year

ALCC - ALCC Base awards 20 99

ASCR - Advanced Scientific Computing Research 20 99

BER - Biological Systems Science 20 99

BER - Earth and Environmental 20

Refining your search

ERCAP Science Categories New

Search Science Category

1 to 56 of 56

All

Science Category ▲ Description Fiscal Year

	Search	Search	Search
●	Applied Mathematics : Algorithms and Libraries	Algorithms and Libraries	2022
●	Applied Mathematics : Data Analytics and Machine Learning	Data Analytics and Machine Learning	2022
●	Applied Mathematics : General	Applied Mathematics	2022
●	Applied Mathematics : Numerical Optimization	Numerical Optimization	2022
●	Applied Mathematics : Uncertainty Quantification and Statistics	Uncertainty Quantification and Statistics	2022
●	Biosciences : Bioenergy	Bioenergy	2022
●	Biosciences : General	Biosciences	2022
●	Biosciences : Genomics	Genomics	2022
●	Biosciences : Molecular Science	Molecular Science	2022

ERCAP Science Categories New

Search Science Category

1 to 12 of 12

All > Science Category contains Physics

Science Category ▲ Description Fiscal Year

	*Physics	Search	Search
●	Chemistry : Chemical Physics	Chemical Physics	2022
●	Geoscience : Geophysics	Geophysics	2022
●	Physics : Accelerator Science	Accelerator Science	2022
●	Physics : Astrophysics	Astrophysics	2022
●	Physics : Condensed Matter	Condensed Matter	2022
●	Physics : Cosmology	Cosmology	2022
●	Physics : General	Physics	2022
●	Physics : High Energy Physics (Experimental)	High Energy Physics (Experimental)	2022
●	Physics : High Energy Physics (Theory)	High Energy Physics (Theory)	2022

Personnel Tab - Authorized Preparers

Personnel	Funding*	Security*	Project Details*	Resources*	Codes	Supporting Information*	Usage Agreement*
-----------	----------	-----------	------------------	------------	-------	-------------------------	------------------

Enter the name, organization, and email address of Senior Investigators or Key Personnel you would like to have associated with your project.

Senior Investigators

Click on the magnifying glass below to search for existing NERSC users. Then, choose a name to add your selection to the list of authorized preparers for this request. If you add a preparer who is not a NERSC user, please have that person fill out [this form](#) and include in the Comments that they are an Authorized Preparer for you as the PI.

Authorized Preparers

Piproxy, Test (tpiproxy)

Bagwell|

Showing 1 through 7 of 7

Bagwell ADMIN, Clayton (bagwell-ADMIN)	bagwell@nersc.gov	NERSC
Bagwell, Clayton (bagwell)	clbagwell@lbl.gov	NERSC

+

×

⌕

🔒

Save as Draft

Create

Funding Tab - DOE/SC Program Managers

Personnel	Funding*	Security*	Project Details*	Resources*	Codes	Supporting Information*	Usage Agreement*
-----------	----------	-----------	------------------	------------	-------	-------------------------	------------------

What entity(ies) fund the research associated with this request? Check all that apply.

You must select at least one funding source before you can submit your request.

* DOE Office of Science (SC) ☒

* Funding Office

* Funding Program Manager

* DOE/SC Grant, PAMS, FWP numbers

* Federal Agency other than DOE/SC

* LDRD Funding

Showing 1 through 8 of 8	
Not Listed, (notlisted)	sc.ascr@science.doe.gov
Susut-Bennett, Ceren (cerensb)	Ceren.Susut-Bennett@science.doe.gov
Biven, Laura (laura.biven@science.doe.gov)	laura.biven@science.doe.gov
Laviolette, Randall (laviolette)	randall.laviolette@science.doe.gov
Carlson, Richard (rcarlson)	Richard.Carlson@science.doe.gov
Pino, Robinson (Robinson.Pino@science.doe.gov)	Robinson.Pino@science.doe.gov
Lee, Steven (stevelee)	steven.lee@science.doe.gov
Ndousse-Fetter, Thomas (thomas.ndousse-fetter@science.doe.gov)	thomas.ndousse-fetter@science.doe.gov

<http://www.nersc.gov/users/accounts/allocations/doe-science-offices-programs-and-allocation-managers/>

Funding Tab - Federal Agencies

Personnel	Funding*	Security*	Project Details*	Resources*	Codes	Supporting Information*	Usage Agreement*
-----------	----------	-----------	------------------	------------	-------	-------------------------	------------------

What entity(ies) fund the research associated with this request? Check all that apply.
You must select at least one funding source before you can submit your request.

* DOE Office of Science (SC) ☐

* Federal Agency other than DOE/SC ☒

* Other Funding/Agency Source(s) ☐

National Science Foundation (NSF)
U.S. Department of Health and Human Services (HHS) - Other (excl. NCI and NIH)

DOE

Showing 1 through 8 of 8

* Other Federal Agency grant numbers

* LDRD Funding

DOE National Nuclear Security Administration (NNSA)
DOE Office Nuclear Energy (NE)
DOE Office of Energy Efficiency and Renewable Energy (EERE)
DOE Office of Environmental Management (EM)
DOE Office of Fossil Energy (FE)
DOE Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR)

Funding Tab - Additional Options

LDRD Funding ☐

State or local
government or
agency ☐

Foreign Government
or Agency ☐

University ☐

Non-profit
Organization ☐

Other ☐

For projects not funded by DOE/SC, please describe the project's relevance to one of the [DOE Office of Science programs and the mission of that program](#).

(Projects that can demonstrate alignment with a program mission are much more likely to receive awards.)

* Office of
Science relevance

Security Adherence

Personnel Funding* **Security*** Project Details* Resources* Codes Supporting Information* Usage Agreement*

NERSC supports only open research intended to be published in open scientific journals. Proprietary research is not allowed.

In addition, NERSC **does not allow the use of the following:**

- **Classified or controlled military defense information**
- **Export controlled or ITAR codes or data**
- **Personally identifiable information**
- **Protected health information**

Please select one option below:

**Select either
Yes or No**

* I attest that this project adheres to these guidelines.

☐

* I request an exception to these policies, based on the following:

☐

* Please Explain Policy Exception

Characters left: 250

Project Details - Two Project Descriptions

Personnel	Funding*	Security*	Project Details	Resources*	Codes	Supporting Information*	Usage Agreement*
-----------	----------	-----------	-----------------	------------	-------	-------------------------	------------------

To attach a supporting document, click the paperclip icon at the top of the page. When done, click the X to close the window.

Provide a brief summary of your project easily understood by people outside your field. What will this project accomplish? What is the significance of this work?

* Project Summary
and Goals

This is my easy to understand, Scientific American level project description. It is easily understood by people outside of my field. It describes what my project will accomplish and the significance of my research.

Provide a more technically detailed explanation of your research for proposal reviewers.

* Detailed
Description for DOE
Managers

This is my more highly technical description of my project, aimed at the DOE managers, and lays out my research plan in detail.

Project Details - Accomplishments & Publications

Provide the information below for **Renewal requests** only.

Summarize the accomplishments of this project in terms easily understood by people outside your field. Explain the importance of your results and how using NERSC resources supported your research objectives.

*
Accomplishments
Summary

Summary of the accomplishments of this project over the past year utilizing NERSC resources.
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Provide citations for published (or scheduled to be published) research that relied, at least in part, on the use of NERSC resources. Please leave one blank line between items, you must include a DOI for each item, and do not include publications you cited in last year's ERCAP request. If you do not have a DOI, please enter in the next section with a brief explanation.

* Refereed
Publications

Bard, D.J. et al. (2021). Automation for Data-Driven Research with the NERSC Superfacility API. In: Jagode, H., Anzt, H., Ltaief, H., Luszczek, P. (eds) High Performance Computing. ISC High Performance 2021. Lecture Notes in Computer Science(), vol 12761. Springer, Cham. https://doi.org/10.1007/978-3-030-90539-2_22

List other relevant publications you want the reviewer to consider.

Non-refereed
materials

Resources Tab

Personnel	Funding*	Security*	Project Details*	Resources*	Codes	Supporting Information*	Usage Agreement*	Award Information
-----------	----------	-----------	------------------	------------	-------	-------------------------	------------------	-------------------

Computational Resources - Enter the number of NERSC computational hours requested.

CPU Node Hours Used	311948	* CPU Node Hours Requested	<input type="text" value="2 Million"/>
GPU Node Hours Used	0	GPU Node Hours Requested	<input type="text"/>

Personnel	Funding*	Security*	Project Details*	Resources*	Codes	Supporting Information*	Usage Agreement*	Award Information
-----------	----------	-----------	------------------	------------	-------	-------------------------	------------------	-------------------

Computational Resources - Enter the number of NERSC computational hours requested.

CPU Node Hours Used	311948	* CPU Node Hours Requested	<input type="text" value="2"/>
GPU Node Hours Used	0	GPU Node Hours Requested	<input type="text" value="3"/>

Please Note: Your value of 2.5 has been rounded to 3 as decimals are not allowed in this field.

GPU Node Hour Requests

GPU Node Hours
Used

0

GPU Node Hours
Requested

250

If you are applying for GPU time, please tell us about your [readiness](#).

* GPU Readiness

-
- When requesting GPU Node Hours, you must include a statement of your code's readiness to run on GPUs
 - Refer to the Perlmutter readiness page:
 - <https://docs.nersc.gov/performance/readiness/>

CFS and Archival Storage Requests

HPSS Archival storage - Enter the amount of Archival (HPSS) storage requested in TBs (Default 1 TB). **Include enough to cover your currently stored files and your anticipated additional storage for the new year. This will be your new total quota for the year.**

Archival Storage
Used (TB) ?

410.35

* [Archival
Storage Requested
\(TB\) ?](#)

Please Note: Your requested storage of 400 TBs must be greater than the current used storage of 410 TBs. Please enter a larger value.

CFS Shared Project Storage - Enter the amount of Community File System (CFS) storage requested in TBs (Default 20 TBs). For projects with multiple CFS directories, the figures represent the sum of all CFS directories. **Include enough to cover your currently stored files and your anticipated additional storage for the new year. This will be your new total quota for the year.**

CFS Storage Used
(TB) ?

145.1

[CFS Storage
Requested \(TB\) ?](#)

151

Please Note: Your value of 150.5 has been rounded to 151 as decimals are not allowed in this field.

- Archival HPSS, Community Storage (CFS) usage and request amounts are in TBs
- You must request at least as much as you are currently using

Resource Tab - Justification & Special Requirements

Briefly describe how you estimated the compute hours and storage space requested above.

* Justification for
Request

If your forecasted computer usage will be uneven throughout the year, please provide a percentage breakdown by quarter so we can consider this in our allocation management planning.

Key Events or
Deadlines

Check this box if your project requires real-time access to computing resources, e.g., if associated with a live experiment.

Need real-time
computing?

☐

Is the primary purpose of this request to support the operation of and/or data analysis from an experimental or observational facility or mission?

Experimental or
Observational project?

☐

If this project has multi-year needs in support of a mission or DOE project, or has other special needs, please describe those here.

Special Requirements

Codes Tab

Personnel

Funding

Please tell us about your most used/important codes (select up to 5) ?

-- None --

1

✓ 2

3

4

5

Code 1 Name

WhereUFrom

Code 1 URL

www.WhereUB.info

Code 1 Description

Inquires about origination.

Code 1 is GPU Enabled?

☒

Code 2 Name

WhoBU

Code 2 URL

www.personID.org

Code 2 Description

Determines user

Code 2 is GPU Enabled?

☒

Supporting Information Tab

[Personnel](#)[Funding*](#)[Security*](#)[Project Details](#)[Resources*](#)[Codes](#)[Supporting Information](#)[Usage Agreement*](#)

List any additional HPC resources that have been awarded or are expected to be used to support this project.

* Other HPC
Support

Additional image processing will be performed by an AWS pre-processing lambda function.

Supply any other additional information you would like to be considered in support of this request.

Additional
Information

To attach a supporting document, click the paperclip icon at the top of the page. When done, click the X to close the window.

Attachments

1 to 1 of 1



File name

Content type

Created ▼

Created by



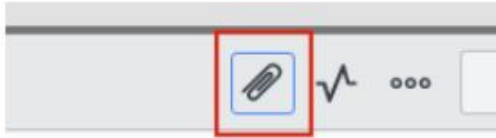
Long_ERCAP_Project_Description.pdf

application/pdf

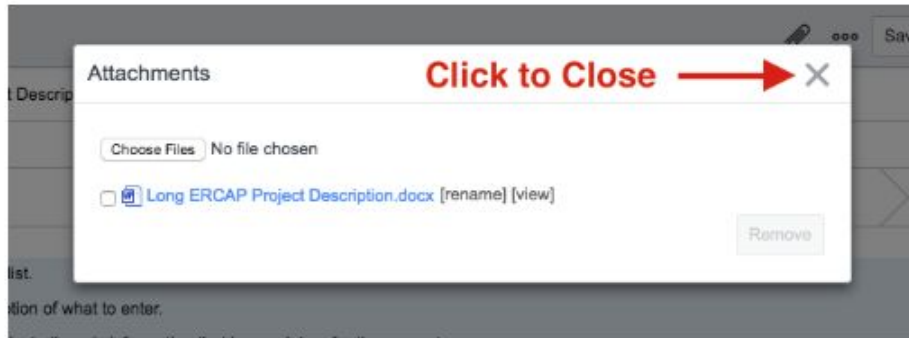
2099-99-99 14:25:23

tpi

Adding Attachments






Look for the Paperclip



Create a PDF of a Request

<

≡ ERCAP Requests - ERCAP0016426



Save as Draft



Create PDF

Submit for Review

Cancel Request

↑

↓

Manage Attachments (2):  Long_ERCAP_Project_Descripti... [rename] [view]  ERCAP0016426 Export(2020-0... [rename] [view]

Attachments and PDFs are found here

Draft

Submitted for Review

Approved

Provisioned

Personnel

Funding*

Security*

Project Details*

Resources*

Codes

Supporting Information

Usage Agreement*

List any additional HPC resources that may be awarded or otherwise committed to this project (e.g., a DOE INCITE application or award, an XSEDE award, etc.).

* Other HPC Support

No INCITE or XSEDE allocation.


Supply any other additional information you would like to be considered in support of this request.

Additional Information

To attach a supporting document, click the paperclip icon at the top of the page. When done, click the X to close the window.

Attachments

1 to 1 of 1

⚙	≡ File name	≡ Content type	≡ Created ▼	≡ Created by
✕	 Long_ERCAP_Project_Description.pdf	application/pdf	2020-08-12 18:19:08	tpi

Usage Audit Agreement

Personnel	Funding*	Security*	Project Details*	Resources*	Codes	Supporting Information*	Usage Agreement
-----------	----------	-----------	------------------	------------	-------	-------------------------	-----------------

*If this project is given a NERSC award, I agree to monitor the usage associated with it to ensure that, **to the best of my ability**, usage is for the project described here. Furthermore, *if this is a continuing project*, I confirm that I have audited the usage associated with this project, **and to the best of my ability to determine**, all usage was for the project specified.*

By signing this application, I certify that the statements herein are true, complete and accurate to the best of my knowledge. I also agree to comply with any resulting terms if I accept an award. (<https://www.nersc.gov/users/policies/>). I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 18, Section 1001)

Please enter your initials below to agree to these terms.

* Usage Agreement Initials

TPI

Submit Request

nersc.service-now.com says

Are you sure you are ready to submit this request for review? You will be able to review but not edit your request. Click OK to confirm.

CancelOK

PT Pi, Test (tpi)

Save as DraftCreate PDFSubmit for Review

Manage Attachments (1): ERCAP001

DraftSubmitted for ReviewApproved

ERCAP Requests - ERCAP0010033

FollowSave as DraftCreate PDFSubmit for ReviewCancel Request

The following mandatory fields are not filled in: Usage Agreement Initials

Submitted Requests Under Review

Click the ERCAP number to view.

ERCAP Number	Project Title	Label	Project	Allocation Year	State	Updated	Updated by
ERCAP0010033	Test project - AY 2020	Test	ERCAP testmpp		Submitted for Review	2020-09-57:54	bagwell-ADMIN

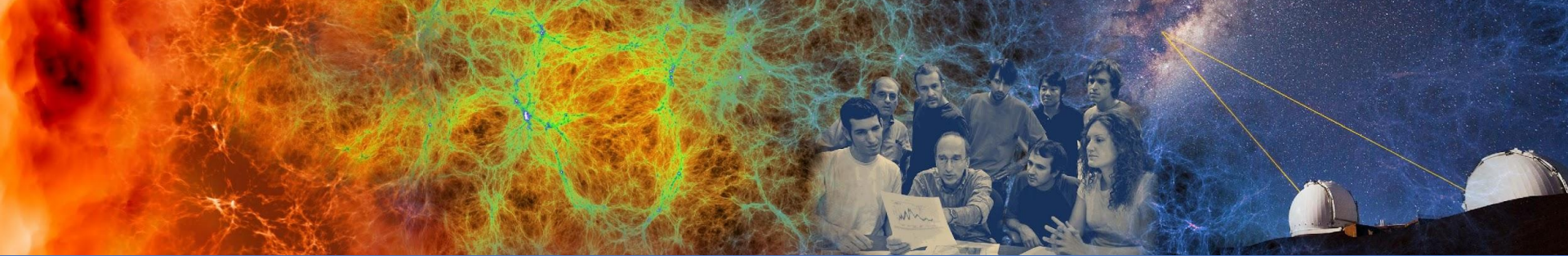


Questions?



Resources

- **DOE/SC Program Managers**
 - <http://www.nersc.gov/users/accounts/allocations/doe-science-offices-programs-and-allocation-managers/>
- **ERCAP Application URL**
 - <https://ercap.nersc.gov>
- **NERSC Account Support**
 - <http://help.nersc.gov>
 - accounts@nersc.gov
- **NERSC Allocation Support**
 - <http://help.nersc.gov>
 - allocations@nersc.gov
 - Zoom Office Hours Login Instructions - <https://www.nersc.gov/users/accounts/allocations/2023-call-for-proposals-to-use-nersc-resources/ercap-office-hours/>



Thank You



BERKELEY LAB



U.S. DEPARTMENT OF
ENERGY

Office of
Science