



How to Submit an ERCAP Request

Clayton Bagwell
NERSC Account Support

September 6, 2012

ERCAP

“Energy Research Computing Allocations Process”

ERCAP Application Deadlines

[http://www.nersc.gov/users/
accounts/allocations/deadlines](http://www.nersc.gov/users/accounts/allocations/deadlines)



Powering **Scientific Discovery** Since 1974

[Login](#) |
 [My NERSC](#) |
 [Site Map](#) |
 [Share](#)

search... [»](#)

- HOME
- ABOUT
- SYSTEMS
- FOR USERS**
- SCIENCE AT NERSC
- NEWS & PUBLICATIONS
- R & D
- EVENTS
- LIVE STATUS

FOR USERS

- » System Status
- » My NERSC
- » Getting Started
- » Help
- » Computational Systems
- » Queues and Policies
- » Job Information
- » Software
- » Accounts & Allocations
- Glossary
- User Accounts
- Allocations
 - Overview and Eligibility
 - Apply for Your First Allocation
 - Allocation Request Form (ERCAP)
- Application Deadlines**
- 2013 Call for Proposals
- Managing Your Allocation
- DOE Allocation Managers
- NISE

Home » For Users » Accounts & Allocations » Allocations » Application Deadlines

ERCAP APPLICATION DEADLINES

Award Type	ERCAP Submission Open	ERCAP Submission Deadline	Award Decision	Allocation Period
Startup and Education	Ongoing	Ongoing	Within 3 weeks of applying	18 months from award (but must be renewed for the next allocation year)
Production (DOE awarded) for the rest of allocation year 2012	Ongoing	Ongoing	Within 4 weeks of applying (pending sufficient DOE reserves of time)	through January 7, 2013
All continuing projects must be renewed for 2013; new projects must apply by the deadline as well.	August 21, 2012	September 28, 2012	December 14, 2012	January 8, 2013- January 13, 2014

**Who can apply? Anyone who's
work supports the DOE Office of
Science Missions**

**[https://www.nersc.gov/users/
accounts/allocations/overview/](https://www.nersc.gov/users/accounts/allocations/overview/)**



FOR USERS

- » System Status
- » My NERSC
- » Getting Started
- » Help
- » Computational Systems
- » Queues and Policies
- » Job Information
- » Software
- » Accounts & Allocations
- Glossary
- User Accounts
- Allocations

Overview and Eligibility

- Apply for Your First Allocation
- Allocation Request Form (ERCAP)
- Application Deadlines
- 2013 Call for Proposals
- Managing Your Allocation
- DOE Allocation Managers
- NISE
- Data Intensive
- Past Calls for Proposals
- NIM (NERSC Information Management portal)
- Awarded projects
- » Analytics & Visualization
- » Data & Networking
- » Science Gateways
- » Training & Tutorials
- » User Announcements
- » User Surveys

Home » For Users » Accounts & Allocations » Allocations » Overview and Eligibility

SHOW ALL | 1 2 3 4 5 ... 8 | NEXT »

ALLOCATIONS OVERVIEW AND ELIGIBILITY

Allocations Overview

Most allocations of NERSC computer time and archival storage are awarded by DOE and managed by NERSC. There is no monetary charge to the project that receives the award. The awarded research groups are given project accounts, known as *repositories*, with a given amount of computing hours and an archival storage allocation. Resource usage (computer time or archival storage) is charged against the repository, like a withdrawal from a bank account. Once the account is exhausted, users can no longer charge against that account.

NERSC supports several allocation programs:

Allocation Type	% of DOE Allocation	Description
DOE Production	80%	Awards are made by DOE program managers in the six offices of science. Applicants need to be part of a research project funded by the DOE Office of Science or show that their work meets the DOE mission.
ALCC	10%	ASCR Leadership Computing Challenge: a DOE program run by ASCR to promote areas of interest to DOE. See the ALCC web page .
NISE	10%	NERSC Initiative for Scientific Exploration: used to allocate the NERSC Director's reserve. This year the focus is on large scale and data intensive proposals. See the NISE web page .
Education, Startup	N/A	Small awards made by NERSC from NERSC overhead time.

TABLE OF CONTENTS

1. Allocations Overview
2. Principal Investigators and PI Proxies
3. Advanced Scientific Computing Research (ASCR) Mission
4. Basic Energy Sciences (BES) Mission
5. Biological and Environmental Research (BER) Mission
6. Fusion Energy Sciences (FES) Mission
7. High Energy Physics (HEP) Mission
8. Nuclear Physics (NP) Mission





Applying for your first allocation:

<http://www.nersc.gov/users/accounts/allocations/first-allocation>

<https://nim.nersc.gov/newpi.php>



FOR USERS

- » System Status
- » My NERSC
- » Getting Started
- » Help
- » Computational Systems
- » Queues and Policies
- » Job Information
- » Software
- » Accounts & Allocations

Glossary

User Accounts

Allocations

Overview and Eligibility

Apply for Your First Allocation

Allocation Request Form (ERCAP)

Application Deadlines

2013 Call for Proposals

Managing Your Allocation

DOE Allocation Managers

NISE

Data Intensive

Past Calls for Proposals

NIM (NERSC Information)

Home » For Users » Accounts & Allocations » Allocations » Apply for Your First Allocation

APPLY FOR YOUR FIRST NERSC ALLOCATION

Initial Steps Needed to Apply for Your First NERSC Allocation

All work done at NERSC must be within the DOE Office of Science mission. See the Mission descriptions for each office at [Allocations Overview and Eligibility](#).

Prospective Principal Investigators without a NERSC login need to fill out two forms:

1. The online [ERCAP Access Request Form](#). If you wish to designate another person to fill out the request form you may designate a "PI Proxy" on this form.
2. The [Computer Use Policies form](#). Download and complete *all* the questions on this form and fax it to NERSC. (The fax number appears on the form.)

Within two working days NERSC's Account Support office will contact you with the login name and password you will need to fill out and submit the allocations request form.

Many new NERSC projects begin with a **Startup** allocation, particularly if they are new to HPC or are not yet ready to run production codes on thousands of CPU cores. Startup awards are limited to 15,000 MPP hours (Cray XT4 equivalent hours) and are good for up to 18 months.

A request for a Startup project can be made at any time during the year; decisions for Startup requests are made by NERSC within one to three weeks after applying. Startup requests require only brief answers to the Code Description and Data questions on the ERCAP request form.





ERCAP Access Request Form for new PIs and PI Proxies

If you are completely new to NERSC and wish to make an allocation request as a new Principal Investigator (PI), please select and complete the appropriate boxes below. If you already have a NERSC user name and wish to become a PI, please [log into NIM](#), click on "ERCAP requests" in the NIM Main Menu, and follow the subsequent instructions.

You also have the option of nominating a PI Proxy. A PI Proxy can fill out a request on behalf of a PI. In order to add a Proxy, please fill out the optional Proxy information section below.

When you are done, please click on Submit Request at the bottom of the page.

You must also print, fill out and fax back the .

After the Account Support Office has received both this form and the Computer Use Policies Form they will contact you about your NIM login name and password.

PI's First Name:	<input type="text"/>
Middle Initial:	<input type="text"/>
PI's Last Name:	<input type="text"/>
PI's NERSC Username:	<input type="text"/> <small>(If user does not have a NERSC username, enter a preferred username.)</small>
PI's Citizenship:	<input type="text" value="Not Yet Set"/>
PI's Email Address:	<input type="text"/>
PI's Telephone:	<input type="text"/>
PI's Organization:	<input type="text" value="UNKNOWN: Not Yet Set"/> <small>(if your site is not listed, click here to add it)</small>
PI's Mail Stop (optional):	<input type="text"/>

Optional: nominate a Proxy for this PI

PI Proxy's First Name:	<input type="text"/>
Middle Initial:	<input type="text"/>
Proxy's Last Name:	<input type="text"/>
Proxy's NERSC Username:	<input type="text"/> <small>(If user does not have a NERSC username, enter a preferred username.)</small>
Proxy's Citizenship:	<input type="text" value="Not Yet Set"/>
Proxy's Email Address:	<input type="text"/>
Proxy's Telephone:	<input type="text"/>
Proxy's Organization:	<input type="text" value="UNKNOWN: Unknown"/> <small>(if your site is not listed, click here to add it)</small>
Proxy's Mail Stop (optional):	<input type="text"/>



NERSC Information Management

Please sign in

NERSC Username:

NIM Password:

[Reset your NIM password.](#) | [Forgot your username?](#)

Log In

New to NERSC? Get valuable information about using NIM here: [NIM User's Manual](#). Remember to complete the [Computer Use Policies Form](#). After completing the form you can [upload it here](#), or email it to cupform@nersc.gov, or fax it to 510-486-4248.

NERSC Account Support: 1-800-66-NERSC (menu option #2) or 510-486-8612.
NERSC Consultants: 1-800-66-NERSC (menu option #3) or 510-486-8611,
consult@nersc.gov



U.S. DEPARTMENT OF
ENERGY

Office of
Science





Test PI | [Logout](#) | [Change My Password](#)

Quick Search:



[NIM Home](#) |
 [My Stuff](#) ▼ |
 [Search](#) ▼ |
 [Reports](#) ▼ |
 [Actions](#) ▼

Welcome to the NERSC Information Management (NIM) system. Use this interface to find information about NERSC users and repositories. Authorized managers can also modify information and create or review allocation requests. Staff-only options are in **gold**.

Last NIM login on 09/19/2012 14:44:49
Your password will expire on 10/13/2012

NERSC :

■ Available

- My Account Usage
- My Contact Info
- My ERCAP Requests

Carver	Dirac	Euclid
Hopper	HPSS	NGF
PDSF		

MPP Available Repo Balance

HPSS Available Repo Balance

Repo 7-day Report

[ERCAP requests](#) [Refresh list](#)



ERCAP requests [Refresh list](#)

Request Title	Year	Click to Renew	Click to Edit	View in PDF
NERSC Operations Accounts	2013			
NERSC IBM Staff Accounts	2013			
NERSC Cray Staff Accounts	2013			
Test project/repositories	2013			
NERSC overhead account for users with no active repo	2013			
NERSC Division Guest Accounts	2013			
NERSC Staff Accounts	2013			
NERSC Center Vendor/Guest Accounts	2013			
CRD Advanced Computing for Science Department Guest Accounts	2012			
NERSC High Performance Computing Department Training Accounts	2012			
NERSC Operations Accounts	2012			

Renewing an existing request:



Editing an existing request:



Create a PDF copy of the request:



What type of request would you like to start ?

A new request for the remainder of 2012 (ends Jan 9, 2013)

A new request for 2013 (starts Jan 10, 2013)

[Start new ERCAP request](#)

ERCAP 2013 Request:

PI:

Last updated: (Not Yet Finished)

Download PDF

Save Project Overview Q1-9 You MUST click the "Save" button here or at the bottom in order to save your work before selecting another tab.

1. Principal Investigator

Name	Phone	Email
USER, Test	510-486-8612	support-notice@nersc.gov

2. Other Authorized Preparers

3. Senior Investigators

4. Project Title

4.1 Image representing your project

(NOTE: You can add your image after saving your ercap request)

5. Project Name

6. Project Class

7. Sponsoring Site
If your site is not listed, [click here to add it.](#)

8. Science Category

9. DOE Office and Program



You have started a new ERCAP request. Please click any tab to continue.

Project Overview Q1-9	DOE Funding Q10-11	Resources Requested Q12-14	PDSF Q15	Project Description Q16-18	Code Description(s) Q19	Data/Networking Q20-23	Other Info/Submit Q24-27	Show Complete Request	
ERCAP 2013 Request: 85868		PI: Katherine Yelick			Last updated: 24-SEP-12 (Not Yet Finished)				
Download PDF									
<i>Test Project</i>									

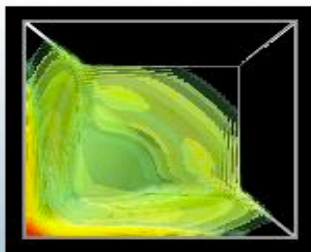
The Project Overview Q1-9 form has been saved successfully. Please click any tab to continue editing your request

How project images are used:

<http://www.nersc.gov/live-status/now-computing/>

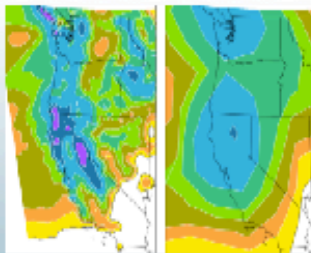
NOW COMPUTING AT NERSC

A small sample of jobs now running on NERSC's supercomputers. [\[Full Screen Display\]](#)



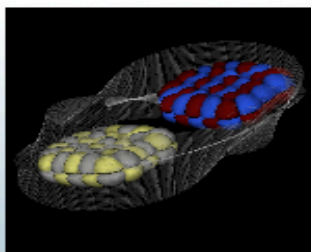
Computational Atomic Physics for Fusion Energy (m41)

DOE Office	Fusion Energy Sciences	Science Area	Fusion Energy	Investigator	Michael S. Pindzola, Auburn University
Computer	Hopper	Cores	20,736	Core Hours Used	350,899.6



A multi-decadal reforecast data set to improve weather forecasts for renewable energy applications (refcst)

DOE Office	Biological & Environmental Research	Science Area	Climate Research	Investigator	Thomas M. Hamill, National Oceanic & Atmospheric Administration
Computer	Hopper	Cores	16,896	Core Hours Used	11,832.2



Quantum Monte Carlo for Electronic Structure of Molecules (mp208)

DOE Office	Basic Energy Sciences	Science Area	Chemistry	Investigator	William A. Lester, Lawrence Berkeley National Laboratory
Computer	Hopper	Cores	16,440	Core Hours Used	9,275.2

[More Info](#)



Project Overview Q1-9	DOE Funding Q10-11	Resources Requested Q12-14	PDSF Q15	Project Description Q16-18	Code Description(s) Q19	Data/Networking Q20-23	Validate Current User List	Other Info/Submit Q24-27	Show Complete Request
-----------------------	---------------------------	----------------------------	----------	----------------------------	-------------------------	------------------------	----------------------------	--------------------------	-----------------------

ERCAP 2013 Request: 85648

PI: Katherine Yelick

Last updated: 21-AUG-12 (Not Yet Finished)

Download PDF

NERSC Division Guest Accounts

Save DOE Funding Q10-11 You MUST click the "Save" button here or at the bottom in order to save your work before selecting another tab.

10. Is this project funded by the DOE Office of Science?

Yes, this project has direct grant support from the DOE Office of Science

Who is your DOE Program Manager?

DOE Office of Science Grant Number(s) (List all that apply)

(4000 character maximum)

0 characters entered. : 4000 characters remaining.

If you also intend to use NERSC resources to support research that is not funded by the DOE Office of Science, list the funding agencies and grant numbers.

(4000 character maximum)

0 characters entered. : 4000 characters remaining.

No (if "No", complete only the following section of this question.)

This project is funded by (complete boxes for all that apply):

- DOE, other than Office of Science (enter grant number and source of support)

- Work for others at DOE laboratory (enter grant number and sponsor)

- Other funding agencies (enter grant number and name of agency)

- Other Funding (e.g. University department)



Project Overview Q1-9	DOE Funding Q10-11	Resources Requested Q12-14	PDSF Q15	Project Description Q16-18	Code Description(s) Q19	Data/Networking Q20-23	Validate Current User List	Other Info/Submit Q24-27	Show Complete Request
-----------------------	--------------------	-----------------------------------	----------	----------------------------	-------------------------	------------------------	----------------------------	--------------------------	-----------------------

ERCAP 2013 Request: 85648

PI: Katherine Yelick

Last updated: 21-AUG-12 (Not Yet Finished)

Download PDF

NERSC Division Guest Accounts

Save Resources Requested Q12-14 You MUST click the "Save" button here or at the bottom in order to save your work before selecting another tab.

12. Computational Resources Requested

Center	Resource	Alloc Type	Repo	Hours Used 2012	Hours Requested 2013
NERSC	MPP (MPP Charging)	Guests	mpnersc	13,876	<input type="text"/>

13. Mass Storage Resources Requested (Need help determining SRUs?)

Center	Resource	Alloc Type	Repo	SRUs Used 2012	SRUs Requested 2013
NERSC	HPSS Charging	Guests	mpnersc	3,102	<input type="text"/>

14.1 Justification for Resources Requested

(4000 character maximum)

0 characters entered. : 4000 characters remaining.

14.2 Major Conferences Affecting Computational Needs

Please list the major conferences (conference name and dates) that will have an impact on your computing needs. Describe the impact.

(4000 character maximum)

0 characters entered. : 4000 characters remaining.

SRU CALCULATOR

About SRUs

You can use this form to estimate your mass storage charges (in SRUs).

SRUs are calculated on a daily basis. Enter your estimated daily average number of files and data storage and your yearly estimate of data transferred to and from the HPSS system. Click on *Calculate* and your SRU charge will appear in the light blue boxes.

Enter average daily values for the allocation year	
Number of files*:	<input type="text" value="10,000"/>
Amount of data stored*:	<input type="text" value="85"/> GB
Enter total HPSS I/O for the allocation year	
Data transferred:	<input type="text" value="170"/> GB
<input type="button" value="Calculate"/> <input type="button" value="Reset"/>	
This is your estimated SRU charge	
Average per month:	<input type="text" value="102.54"/> SRUs
Per Year:	<input type="text" value="1,231"/> SRUs



Project Overview Q1-9	DOE Funding Q10-11	Resources Requested Q12-14	PDSF Q15	Project Description Q16-18	Code Description(s) Q19	Data/Networking Q20-23	Validate Current User List	Other Info/Submit Q24-27	Show Complete Request
-----------------------	--------------------	-----------------------------------	----------	----------------------------	-------------------------	------------------------	----------------------------	--------------------------	-----------------------

ERCAP 2013 Request: 85648

PI: Katherine Yelick

Last updated: 21-AUG-12 (Not Yet Finished)

Download PDF

NERSC Division Guest Accounts

Save Resources Requested Q12-14 You MUST click the "Save" button here or at the bottom in order to save your work before selecting another tab.

12. Computational Resources Requested

Center	Resource	Alloc Type	Repo	Hours Used 2012	Hours Requested 2013
NERSC	MPP (MPP Charging)	Guests	mpnersc	13,876	<input type="text"/>

13. Mass Storage Resources Requested (Need help determining SRUs?)

Center	Resource	Alloc Type	Repo	SRUs Used 2012	SRUs Requested 2013
NERSC	HPSS Charging	Guests	mpnersc	3,102	<input type="text"/>

14.1 Justification for Resources Requested

(4000 character maximum)

0 characters entered. : 4000 characters remaining.

14.2 Major Conferences Affecting Computational Needs

Please list the major conferences (conference name and dates) that will have an impact on your computing needs. Describe the impact.

(4000 character maximum)

0 characters entered. : 4000 characters remaining.



Project Overview Q1-9	DOE Funding Q10-11	Resources Requested Q12-14	PDSF Q15	Project Description Q16-18	Code Description(s) Q19	Data/Networking Q20-23	Validate Current User List	Other Info/Submit Q24-27	Show Complete Request
--------------------------	--------------------	----------------------------	-----------------	----------------------------	-------------------------	------------------------	----------------------------	--------------------------	-----------------------

ERCAP 2013 Request: 85648 **PI: Katherine Yelick** **Last updated: 21-AUG-12 (Not Yet Finished)**

[Download PDF](#)

This page is for PDSF users only. You should skip this section unless you have prior approval for a PDSF project. The PDSF is a special-use physics system hosted by NERSC.

NERSC Division Guest Accounts

15.1 PDSF Repos

Select the repositories you want to renew for 2013, then click the arrow below to renew them.

PDSF Repo	Renew ?
mpnersc	<input type="checkbox"/>

No PDSF repos for 2013

Please renew your request before filling out the rest of the fields on the page.

Save PDSF information You MUST click the "Save" button here or at the bottom in order to save your work before selecting another tab.

Do you need a new repo (project account) ? PDSF projects must be pre-approved.

Yes No If yes, please enter your experiment name (3-8 characters):

15.2 How many total CPU hours do you need for the coming year (please describe your codes on the codes tab)?

Hours (Integer value only)



Project Overview Q1-9	DOE Funding Q10- 11	Resources Requested Q12-14	PDSF Q15	Project Description Q16-18	Code Description(s) Q19	Data/Networking Q20-23	Validate Current User List	Other Info/Submit Q24-27	Show Complete Request
--------------------------	------------------------	-------------------------------	----------	-------------------------------	----------------------------	---------------------------	-------------------------------	-----------------------------	--------------------------

ERCAP 2013 Request: 85648

PI: Katherine Yelick

Last updated: 21-AUG-12 (Not Yet Finished)

Download PDF

NERSC Division Guest Accounts

Save Project Description Q16-18 You MUST click the "Save" button here or at the bottom in order to save your work before selecting another tab.

16. Project Description

Describe the research you are performing or will perform with NERSC resources.

16.1 Project Overview: provide a non-technical brief overview. What will this project accomplish? What is the significance of this work?

(4000 character maximum)

0 characters entered. : 4000 characters remaining.

NERSC guest accounts.

16.1.1 Public Project Description / Impact of Your Research: NERSC is occasionally asked to describe the science goals and accomplishments it supports to wide ranging non-technical audiences. Please summarize in 1-2 short paragraphs the high level goals behind your research and their impacts on people, environment, the economy, etc.

(4000 character maximum)

0 characters entered. : 4000 characters remaining.

NERSC Division Guest Accounts

Public Description

NERSC is occasionally asked to describe the science goals and accomplishments it supports to wide ranging non-technical audiences. Please summarize in 1-2 short paragraphs the high level goals behind your research and their impacts on people, the environment, the economy, etc.

16.2 Long Project Description: longer project descriptions may be attached as a PDF file

ercap2012%20test%20plan.pdf [Remove PDF](#)

16.3 Performance and Scaling Information (optional, but recommended for requests of 500,000 or more hours)

Provide parallel scaling and performance information for the code(s) in your repository as a PDF file. If the repository has several codes, please choose codes that you wish to highlight. Indicate the platform used to obtain the results, the approximate date(s) of the measurements, and whether the numbers given represent strong or weak scaling. Plots of tables are preferable to a single raw performance number in flops. Also please provide a primary contact email for each table/plot or set of results, since these results may be included in future NERSC publications and reports.

Job_Maintenance.pdf [Remove PDF](#)



16.4 URL for a relevant web page. Enter ONLY ONE per line using the format <http://www.nersc.gov>
(4000 character maximum)

17.1 Accomplishments Overview:

Summarize in non-technical terms the accomplishments made by this project in the previous year. Explain why your results are important and how the use of NERSC resources allowed you to meet your research objectives.

(4000 character maximum)

0 characters entered. : 4000 characters remaining.

17.2 Accomplishments: longer accomplishment descriptions may be attached as a PDF file.

Job_Landscape.pdf

Remove PDF

18. Relevant Publications: Enter in the order authors, title, journal

18.1 Refereed Publications: List all refereed publications in the last 12 months based on research using NERSC resources. You may include publications that are accepted, in press, or published in journals but not publications in preparation. Please indicate if your article was highlighted on a journal cover.

(4000 character maximum)

0 characters entered. : 4000 characters remaining.



Project Overview Q1-9	DOE Funding Q10-11	Resources Requested Q12-14	PDSF Q15	Project Description Q16-18	Code Description(s) Q19	Data/Networking Q20-23	Validate Current User List	Other Info/Submit Q24-27	Show Complete Request
-----------------------	--------------------	----------------------------	----------	----------------------------	-------------------------	------------------------	----------------------------	--------------------------	-----------------------

ERCAP 2013 Request: 85648

PI: Katherine Yelick

Last updated: 21-AUG-12 (Not Yet Finished)

Download PDF

NERSC Division Guest Accounts

Add another code

Save Code Description(s) Q19 You MUST click the "Save" button here or at the bottom in order to save your work before selecting another tab.

19. Code and Application Descriptions

You should complete a copy of this page for each of your project's most frequently used codes and applications. Each code will appear on a separate tab (under the main set of tabs.) Click on the "Add another code" tab to pull up a blank copy of this page for each new code.

Code Name	<input type="text"/>
Code Description What does the code do? (2000 characters max)	0 characters entered. : 2000 characters remaining. <input type="text"/>
What are the numerical techniques employed?	<input type="checkbox"/> Dense linear equations <input type="checkbox"/> Sparse linear equations <input type="checkbox"/> Spectral Methods (FFTs) <input type="checkbox"/> Particle Methods <input type="checkbox"/> Monte Carlo Methods <input type="checkbox"/> Structured Grids <input type="checkbox"/> Unstructured or AMR grids
Machines to be used Where do you plan to run this code?	<input type="checkbox"/> Hopper <input type="checkbox"/> Carver



Project Overview Q1-9	DOE Funding Q10-11	Resources Requested Q12-14	PDSF Q15	Project Description Q16-18	Code Description(s) Q19	Data/Networking Q20-23	Validate Current User List	Other Info/Submit Q24-27	Show Complete Request
-----------------------	--------------------	----------------------------	----------	----------------------------	-------------------------	------------------------	----------------------------	--------------------------	-----------------------

ERCAP 2013 Request: 85648

PI: Katherine Yelick

Last updated: 21-AUG-12 (Not Yet Finished)

[Download PDF](#)

NERSC Division Guest Accounts

Save Data/Networking Q20-23 You MUST click the "Save" button here or at the bottom in order to save your work before selecting another tab.

20. How much storage space do you need?

Scratch space per user (MPP users only):

Terabytes

Global file system project space:

(note: if your project does not have an NGF project directory and would like one, please [apply](#))

Terabytes

HPSS archival storage:

Terabytes

How much data do you expect your project to move to NERSC from external sources?

Terabytes

21. Data and I/O

21.1 On what NERSC systems do you need to share data?

- Hopper Carver Euclid PDSF Genepool
 Global Scratch Global Project Genepool Project (projectb) HPSS Archive

21.2 If you have experienced problems with data sharing, please explain:



U.S. DEPARTMENT OF
ENERGY

Office of
Science





21.3 How do you perform I/O?

- Files shared between processors One file per processor or node

21.4 If you have experienced problems or constraints due to I/O, please explain:

(4000 character maximum)

0 characters entered. : 4000 characters remaining.

22. Analytics Applications

22.1 Which applications/libraries do you use or intend to use for data analysis and visualization at NERSC?

- | | | |
|--------------------------------------|---|--------------------------------------|
| <input type="checkbox"/> AVS | <input type="checkbox"/> Climate Data Operators (CDO) | <input type="checkbox"/> FFmpeg |
| <input type="checkbox"/> Gnuplot | <input type="checkbox"/> Grace | <input type="checkbox"/> GrADS |
| <input type="checkbox"/> HDFView | <input type="checkbox"/> IDL | <input type="checkbox"/> ImageMagick |
| <input type="checkbox"/> Mathematica | <input type="checkbox"/> MATLAB | <input type="checkbox"/> NCAR |
| <input type="checkbox"/> Ncview | <input type="checkbox"/> ParaView | <input type="checkbox"/> PERL |
| <input type="checkbox"/> pgplot | <input type="checkbox"/> Python | <input type="checkbox"/> R Language |
| <input type="checkbox"/> ROOT | <input type="checkbox"/> SQL | <input type="checkbox"/> Tcl/Tk |
| <input type="checkbox"/> VisIt | <input type="checkbox"/> VMD | |

other:

23. Networking

Does current network bandwidth between your site and NERSC meet your needs?

Yes

No

If no, please explain:



U.S. DEPARTMENT OF
ENERGY

Office of
Science





Project Overview Q1-9	DOE Funding Q10-11	Resources Requested Q12-14	PDSF Q15	Project Description Q16-18	Code Description(s) Q19	Data/Networking Q20-23	Validate Current User List	Other Info/Submit Q24-27	Show Complete Request
-----------------------	--------------------	----------------------------	----------	----------------------------	-------------------------	------------------------	----------------------------	--------------------------	-----------------------

ERCAP 2013 Request: 85641

PI: Test PI

Last updated: 21-AUG-12 (Finished)

Download PDF

Test project/repositories

Format: Read-only <--> Update <--> Static HTML

You MUST click the "Save" button here or at the bottom in order to save your work before selecting another tab.

WARNING: If you change the Project Role of a User or a Project Manager to Deleted, that change will take effect immediately.

Roles for PIs and PI Proxies must be submitted to Account Support. The purpose of this form is to certify the user's information as of today.

testmmp Project User Information and Roles as of 09/24/2012

Name	Email	Phone	Organization	Citizenship	Project Role	Signed Policies
ADMIN, Test	<input type="text" value="accounts@nersc.gov"/>	<input type="text" value="510-486-8612"/>	<input type="text" value="NERSC"/>	<input type="text" value="Stateless"/>	<input type="text" value="User"/>	EXEMPT
Antypas, Katie	<input type="text"/>	<input type="text"/>	<input type="text" value="NERSC"/>	<input type="text" value="USA"/>	<input type="text" value="User"/>	ONFILE
Bagwell, Clayton	<input type="text"/>	<input type="text"/>	<input type="text" value="NERSC"/>	<input type="text" value="USA"/>	<input type="text" value="PI Proxy"/>	ONFILE
User, Project	<input type="text"/>	<input type="text"/>	<input type="text" value="NERSC"/>	<input type="text" value="Stateless"/>	<input type="text" value="User"/>	EXEMPT
Whitney, Cary	<input type="text"/>	<input type="text"/>	<input type="text" value="NERSC"/>	<input type="text" value="USA"/>	<input type="text" value="User"/>	ONFILE

I certify that the above user information is correct for all active users in this Project. (Note: You have already certified your user list. You can re-certify if there have been any changes.)



Project Overview Q1-9	DOE Funding Q10- 11	Resources Requested Q12-14	PDSF Q15	Project Description Q16-18	Code Description(s) Q19	Data/Networking Q20-23	Validate Current User List	Other Info/Submit Q24-27	Show Complete Request
--------------------------	------------------------	-------------------------------	----------	-------------------------------	----------------------------	---------------------------	-------------------------------	-----------------------------	--------------------------

ERCAP 2013 Request: 85648

PI: Katherine Yelick

Last updated: 21-AUG-12 (Not Yet Finished)

Download PDF

NERSC Division Guest Accounts

Save Other Info/Submit Q24-27 You MUST check the finished box and select the "Save" button in order to submit your request.

24. Other HPC Support

List High Performance Computing support from outside NERSC for this project you currently have or expect in the next year.

25. Additional Information

Enter any additional information you would like the review committees to consider in support of this request.

27. Submit Your Request

Choose Finished if you wish to submit your finished request. Only finished requests will be considered for awards.

Finished: This request is finished and ready for review.



Project Overview Q1-9	DOE Funding Q10- 11	Resources Requested Q12-14	PDSF Q15	Project Description Q16-18	Code Description(s) Q19	Data/Networking Q20-23	Validate Current User List	Other Info/Submit Q24-27	Show Complete Request
--------------------------	------------------------	-------------------------------	----------	-------------------------------	----------------------------	---------------------------	-------------------------------	-----------------------------	--------------------------

ERCAP 2013 Request: 85641

PI: Test PI

Last updated: 21-AUG-12 (Finished)

[Download PDF](#)

Test project/repositories

ERCAP Request #85641 for FY2013

1. Principal Investigator

Name	Phone	Email
------	-------	-------

PI, Test	510-486-8612	support-notice@nersc.gov
----------	--------------	--------------------------

2. Other Authorized Preparers

Name	Phone	Email
------	-------	-------

PIPROXY, Test	510-486-8612	support-notice@nersc.gov
---------------	--------------	--------------------------

24. Other HPC Support

25. Additional Information

26. Feedback and Project Requirements

27. Submit Your Request

This request is not yet ready for review.



U.S. DEPARTMENT OF
ENERGY

Office of
Science



Helpful URLs

<http://www.nersc.gov/users/accounts/allocations/deadlines>

<https://www.nersc.gov/users/accounts/allocations/overview/>

<http://www.nersc.gov/users/accounts/allocations/first-allocation>

<https://nim.nersc.gov/newpi.php>

<https://nim.nersc.gov>



Contact Information:

Accounts & Allocations:

accounts@nersc.gov

allocations@nersc.gov

Phone:

510-486-8612 or

1-800-66-NERSC opt 2