



CSCS

Centro Svizzero di Calcolo Scientifico
Swiss National Supercomputing Centre

ETH zürich



Guidelines for Principal Investigators - How to manage your project through the User Management Portal

User Lab Day - online event September 1, 2020

Dr. Maria Grazia Giuffreda, Head of the Engagement & User Support

User Management Portal

The goal of this presentation is to give an overview of the CSCS web-based tool to manage

- projects
- usage, quotas
- accounts

It will focus on the needs of Principal Investigators (PIs)

To access the User Management Portal goto <https://account.cscs.ch>

User Management Portal

The tool allows a PI to:

- manage user's membership and access control
- invite users by email to join your project
- remove users from your projects
- select which users can access a system (and submit jobs) and which ones can only access project data
- define one or more deputies to perform such tasks. The responsibility of what happens within the project still belongs to the group leader or PI
- manage projects, check usage
- change your password


Landing page: <https://account.cscs.ch>




ETH zürich

Access to CSCS

With CSCS account






☐ Remember me


[Forgot Password?](#)

LOG IN

With third-party account (beta)

Alternatively, you can sign in using another provider (you still need to have a CSCS account linked to it)
Further documentation can be found [here](#)


 FENIX

 ETH ZURICH

[Help](#) [Privacy](#) [Terms](#)

Account selector

For those of you who happen to have more than 1 account:



Projects

> acrp

> csstaff

> g102

> g111

> g123

> g33

> idlcscs

> idlETHz

> matlab

> opmch

(others)

Storage

Projects

Projects

☒ Accessible

☒ Open

☒ Expiring

☐ Close

Search

Project id	Title	Group leader	Valid from	Valid until	Role	Status	
acrp	Application for Computational Resources	Dr. Giuffreda Maria Grazia	30-09-2008	31-12-2022	Group leader	Open	<div></div>
csstaff	CSCS staff	Prof. Schulthess Thomas	01-01-1994	31-12-2030	User	Open	<div></div>
g102	GROMACS at CSCS	Dr. Giuffreda Maria Grazia	26-04-2017	31-03-2021	Group leader	Open	<div></div>
g111	Project to grant access to JupyterHub to trainers	Dr. Giuffreda Maria Grazia	27-09-2018	31-12-2020	Group leader	Open	<div></div>
g123	LUMI: Benchmarking	Dr. Giuffreda Maria Grazia	17-12-2019	31-12-2020	Group leader	Open	<div></div>

Account:

mgg

stud00

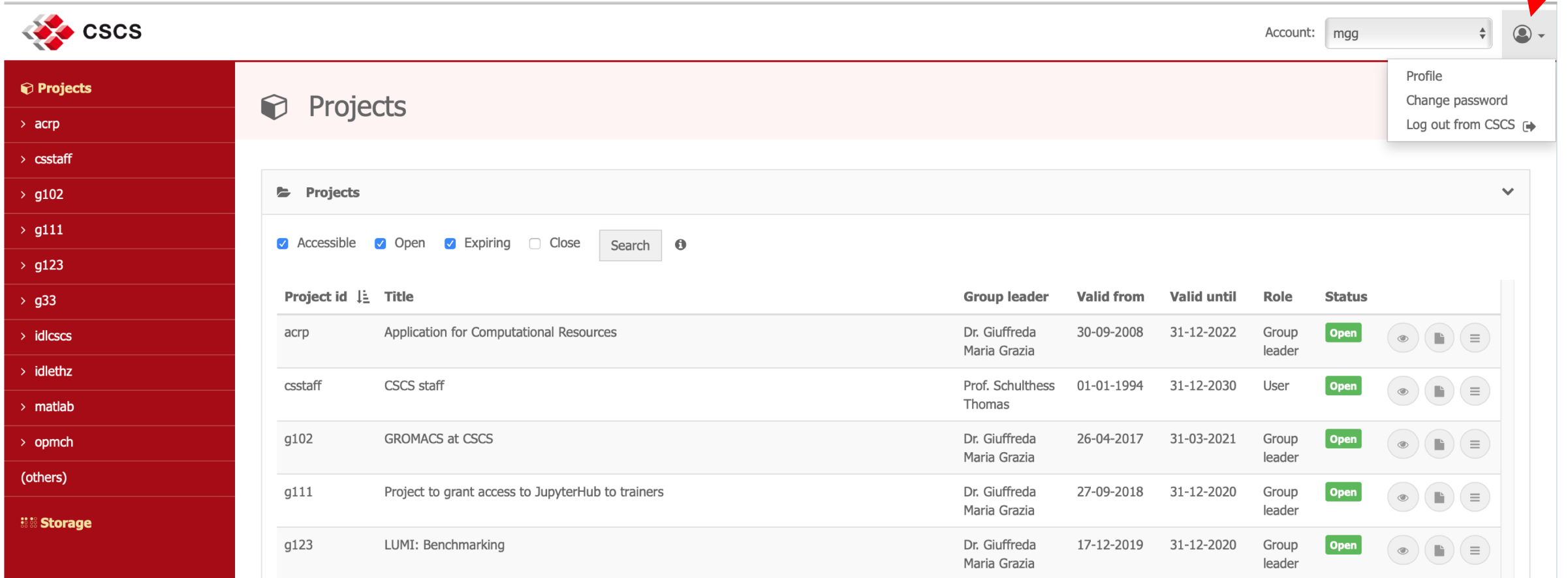


ETH zürich

CSCS User Lab Day - Meet the Swiss National Supercomputing Centre

Profile management

To view and edit the account's institutional details and change password:



















The screenshot shows the CSCS user interface. On the left is a red sidebar with navigation links: Projects (with sub-links for acrp, csstaff, g102, g111, g123, g33, idlcscs, idlethz, matlab, opmch, and others), and Storage. The main content area is titled 'Projects' and contains a table of project details. At the top right, the 'Account:' dropdown shows 'mgg'. A red arrow points to the user profile icon next to it, which has opened a menu with options: Profile, Change password, and Log out from CSCS.

CSCS

Account: mgg

Projects

☒ Accessible ☒ Open ☒ Expiring ☐ Close 

Project id	Title	Group leader	Valid from	Valid until	Role	Status	
acrp	Application for Computational Resources	Dr. Giuffreda Maria Grazia	30-09-2008	31-12-2022	Group leader	Open	  
csstaff	CSCS staff	Prof. Schulthess Thomas	01-01-1994	31-12-2030	User	Open	  
g102	GROMACS at CSCS	Dr. Giuffreda Maria Grazia	26-04-2017	31-03-2021	Group leader	Open	  
g111	Project to grant access to JupyterHub to trainers	Dr. Giuffreda Maria Grazia	27-09-2018	31-12-2020	Group leader	Open	  
g123	LUMI: Benchmarking	Dr. Giuffreda Maria Grazia	17-12-2019	31-12-2020	Group leader	Open	  

Storage

ETH zürich

Profile

Projects

> acrp

> csstaff

> g102

> g111

> g123

> g33

> idlscs

> idlthz

> matlab

> opmch

(others)

Storage

Profile

Account

Details

Username

mgg

Home dir

/users/mgg

Shell

/usr/local/bin/bash

Primary project

csstaff

Unix user id

20405

Status

Account status

Active

Session timeout

16-00-00

Login valid until

31-03-2031

Manage external identities

Public ssh keys

No results found.

Person

Personal institutional details

Full name

Dr. Maria Grazia Giuffreda

Nationality

Switzerland

E-Mail

mgg@cscs.ch

Personal institutional address

Abbreviation

CSCS

Name

Swiss National Supercomputing Centre

Type

Academic

Zip code

6900

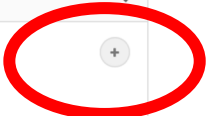
City

Lugano

Country

Switzerland

Unchangeable



Project Membership

All projects you belong to or where you are a Pis:



Account: mgg



Projects

- > acrp
- > csstaff
- > g102
- > g111
- > g123
- > g33
- > idlcscs
- > idlthz
- > matlab
- > opmch
- (others)

Storage

Projects

if you flag this box you will be able to see all you past projects

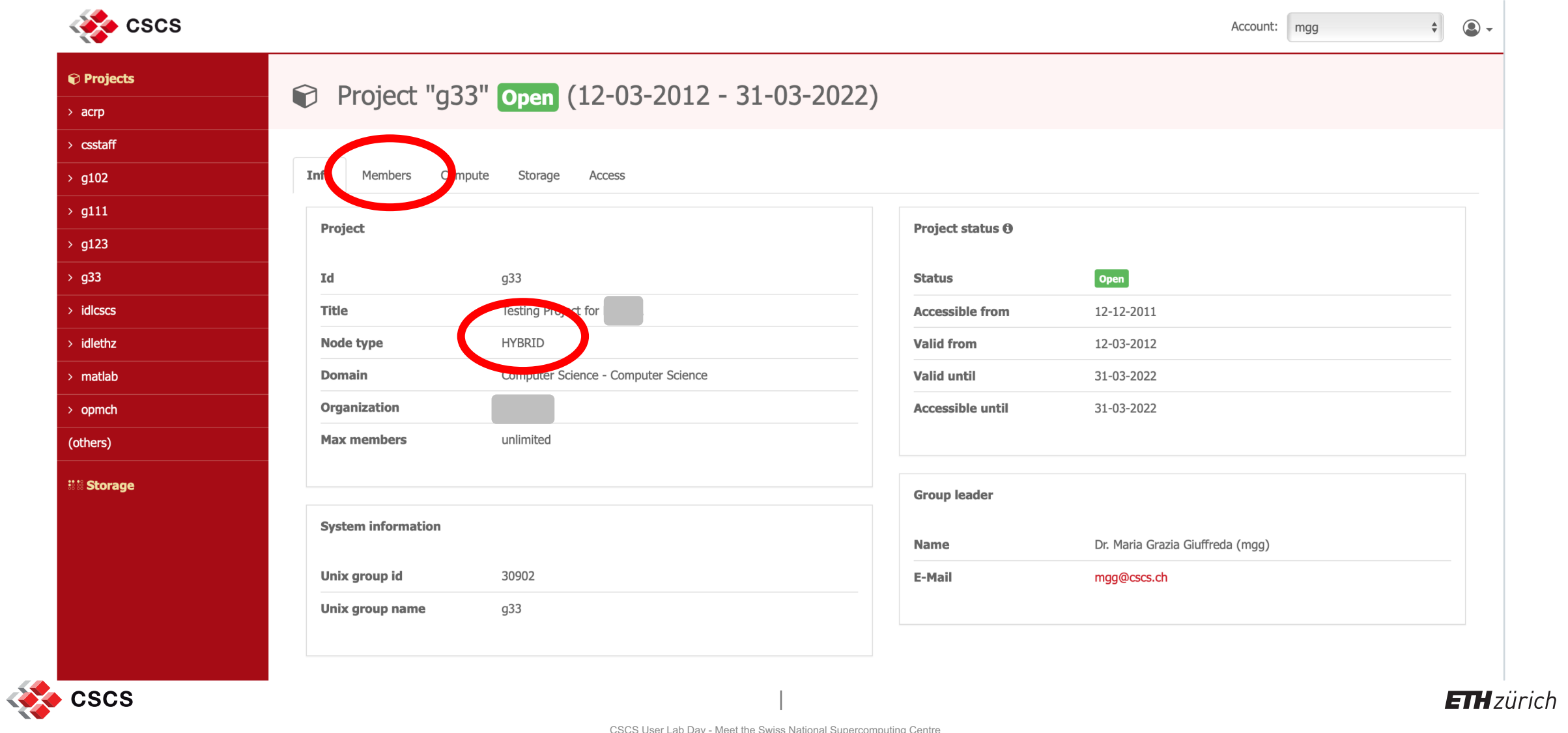
☒ Accessible ☒ Open ☒ Expiring ☐ Close

Project id	Title	Group leader	Valid from	Valid until	Role	Status
acrp	Application for Computational Resources	Dr. Giuffreda Maria Grazia	30-09-2008	31-12-2022	Group leader	Open
csstaff	CSCS staff	Prof. Schulthess Thomas	01-01-1994	31-12-2030	User	Open
g102	GROMACS at CSCS	Dr. Giuffreda Maria Grazia	26-04-2017	31-03-2021	Group leader	Open
g111	Project to grant access to JupyterHub to trainers	Dr. Giuffreda Maria Grazia	27-09-2018	31-12-2020	Group leader	Open
g123	LUMI: Benchmarking	Dr. Giuffreda Maria Grazia	17-12-2019	31-12-2020	Group leader	Open



Membership Management for PIs and deputies only

Once you have selected the project of interest from your list on the left you have it on the main view:



The screenshot displays the CSCS Membership Management interface. On the left, a red sidebar contains a 'Projects' section with a list of project names: acrp, csstaff, g102, g111, g123, g33, idlcscs, idlETHZ, matlab, opmch, and (others). Below this is a 'Storage' section. The main content area shows the details for 'Project "g33" Open (12-03-2012 - 31-03-2022)'. The 'Members' tab is selected and circled in red. The project details table shows the following information:

Project	
Id	g33
Title	Testing Project for [redacted]
Node type	HYBRID
Domain	Computer Science - Computer Science
Organization	[redacted]
Max members	unlimited

Below the project details is a 'System information' section:

Unix group id	30902
Unix group name	g33

On the right, the 'Project status' section shows the following details:


Status	Open
Accessible from	12-12-2011
Valid from	12-03-2012
Valid until	31-03-2022
Accessible until	31-03-2022


Below this is the 'Group leader' section:

Name	Dr. Maria Grazia Giuffreda (mgg)
E-Mail	mgg@cscs.ch

The top right of the interface shows the user account 'mgg' and a profile icon.

Membership Management for PIs

 CSCS

Account: mgg 

Projects

- > acrp
- > csstaff
- > g102
- > g111
- > g123
- > g33
- > idlcscs
- > idlethz
- > matlab
- > opmch
- (others)

Storage

Project "g33" Open (12-03-2012 - 31-03-2022)


Info




Members



Compute

Storage


Access


 **Group leader**


Account	Family name 	Given name	Primary project	E-Mail	
mgg	Giuffreda	Maria Grazia	csstaff	mgg@cscs.ch	 


 **Deputies** 




No results found.



 **Users**

Filter by "Account" 

Page size: 20 

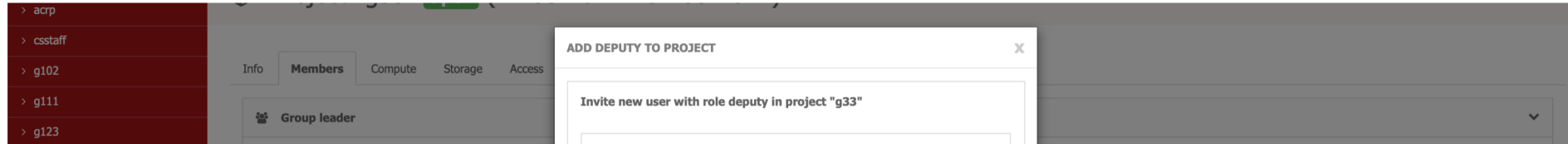
Account	Family name 	Given name	Primary project	E-Mail	
			g33		 

 CSCS

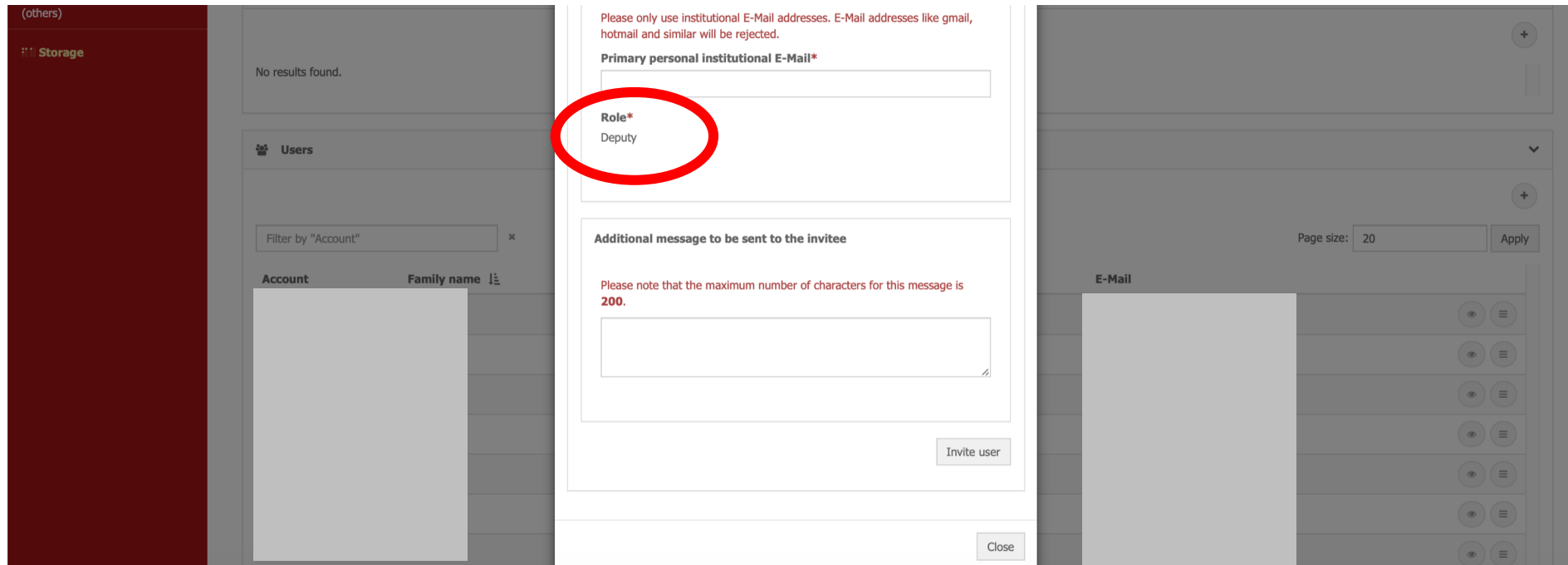
ETH zürich

CSCS User Lab Day - Meet the Swiss National Supercomputing Centre


Add your deputy:




Only institutional email addresses!



Membership Management for PIs and deputies only



Account: mgg 

Projects

> acrp

> csstaff

> g102

> g111

> g123

> g33

> idlcscs


> idlethz

> matlab

> opmch

(others)

Storage

 Project "g33" Open (12-03-2012 - 31-03-2022)



Info




Members



Compute

Storage


Access


 Group leader 


Account	Family name 	Given name	Primary project	E-Mail	
mgg	Giuffreda	Maria Grazia	csstaff	mgg@cscs.ch	 


 Deputies 




No results found.




 Users

Filter by "Account" 

Page size: 20  Apply

Account	Family name 	Given name	Primary project	E-Mail	
S...	g33	...	 








Add a user:




Only institutional email addresses!

A screenshot of the 'ADD USER TO PROJECT' dialog box, showing the 'Primary personal institutional E-Mail*' field and the 'Role*' field. The 'Role*' field is circled in red and contains the text 'User'. Below the email field is a section for 'Additional message to be sent to the invitee' with a text area and a character limit of 200. At the bottom right of the dialog is an 'Invite user' button. The background shows a sidebar with 'Storage' and 'Users' tabs, and a table with columns 'Account' and 'Family name'. The 'Users' tab is active, showing a list of users. The 'Storage' tab is also visible, showing a list of storage units.

Removing members

 CSCS

Account: mgg 

Projects

> acrp

> csstaff

> g102

> g111

> g123

> g33

> idlscs

> idlthz

> matlab

> opmch

(others)

Storage

Project "g33" Open (12-03-2012 - 31-03-2022)

Info

Members

Compute

Storage

Access

Group leader

Account	Family name	Given name	Primary project	E-Mail
mgg	Giuffreda	Maria Grazia	csstaff	mgg@cscs.ch

Deputies

No results found.

Users

Filter by "Account" x


Page size: 20 Apply

Account	Family name	Given name	Primary project	E-Mail
			g33	
			g33	

More actions


Send E-Mail to User


Remove user

 CSCS

ETH zürich

Project Management: Compute

 CSCS

Account: mgg 

Projects

> acrp

> csstaff

> g102

> g111

> g123

> g33

> idlcscs

> idlthz

> matlab

> opmch

(others)

Storage

Project "g33" Open (12-03-2012 - 31-03-2022)

Info

Members

Compute

Storage


Access

Project

Id

g33

Title

Testing Project for 


Node type

HYBRID

Domain

Computer Science - Computer Science

Organization



Max members

unlimited

System information

Unix group id

30902

Unix group name

g33

Project status ⓘ

Status

Open

Accessible from

12-12-2011

Valid from

12-03-2012

Valid until

31-03-2022

Accessible until

31-03-2022


Group leader

Name

Dr. Maria Grazia Giuffreda (mgg)

E-Mail

mgg@cscs.ch

 CSCS

ETH zürich

CSCS User Lab Day - Meet the Swiss National Supercomputing Centre

Overview of the systems the project has been granted resources for:

The screenshot displays the CSCS project management interface. On the left is a red sidebar with a 'Projects' section containing a list of project names: acrp, csstaff, g102, g111, g123, g33, idlscs, idlethz, matlab, opmch, and (others). Below this is a 'Storage' section. The main content area is titled 'Project "g33" Open (12-03-2012 - 31-03-2022)' and features tabs for 'Info', 'Members', 'Compute' (which is selected), 'Storage', and 'Access'. Under the 'Compute' tab, there is a section for 'Current compute resources' which lists four different systems: AROLLA - Cray CS Storm Prod, AULT - Slurm cluster, DAINI - Cray XC50, and DOM - Cray XC50 TDS. Each system has a table of resource details including quarterly quota, used quota, accessible from/to dates, and a progress bar for quota usage. The DAINI - Cray XC50 table is circled in red, and a red arrow points to its 'Used quota' value of 3 node h.

Account: mgg

Project "g33" Open (12-03-2012 - 31-03-2022)

Info Members **Compute** Storage Access

Current compute resources

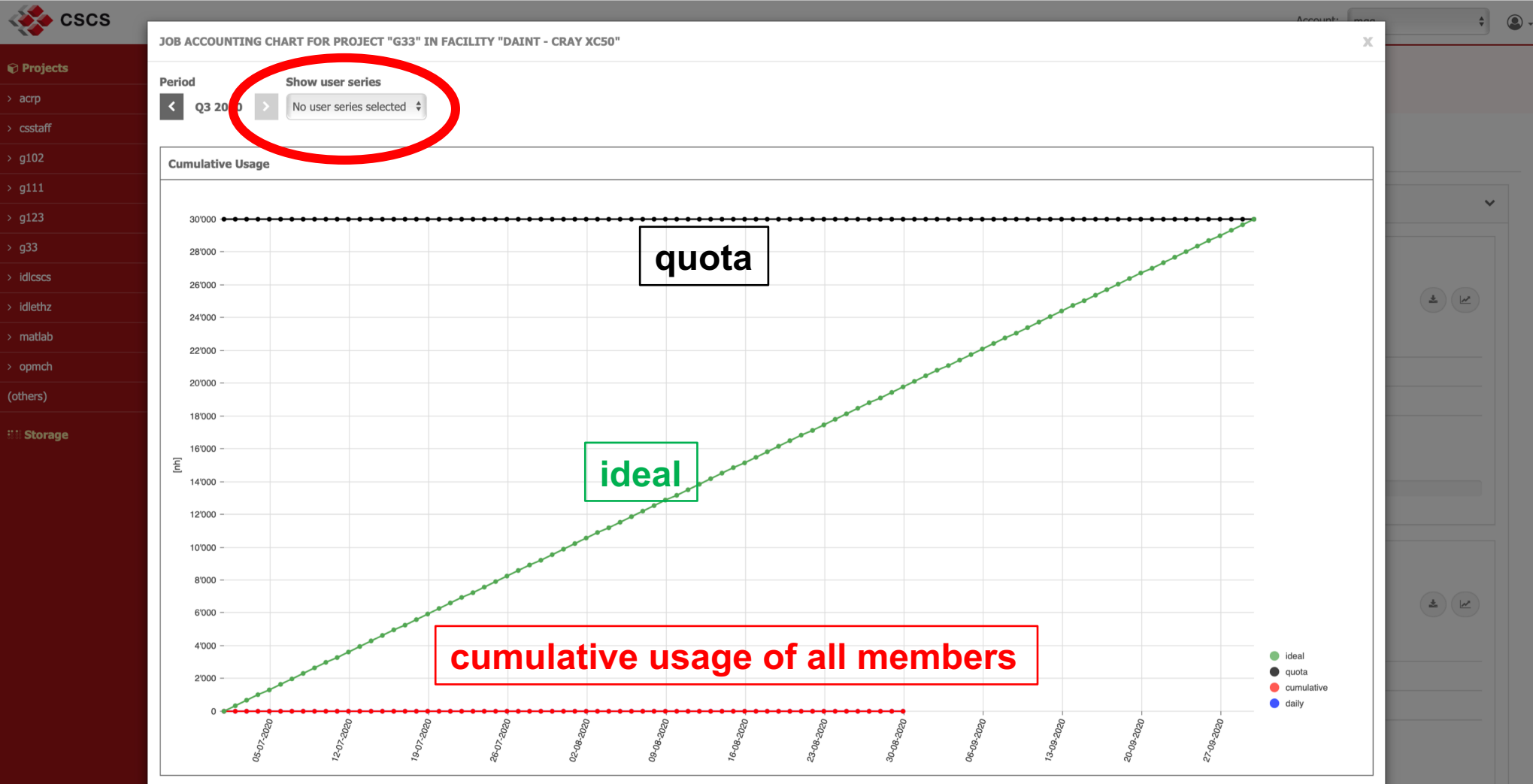
ARROLLA - Cray CS Storm Prod	
Quarterly quota	100 node h
Used quota	0 node h
Accessible from	14-08-2019
Accessible until	31-03-2022
Used quota (0%)	

AULT - Slurm cluster	
Quarterly quota	100 node h
Used quota	0 node h
Accessible from	17-04-2019
Accessible until	31-03-2022
Used quota (0%)	

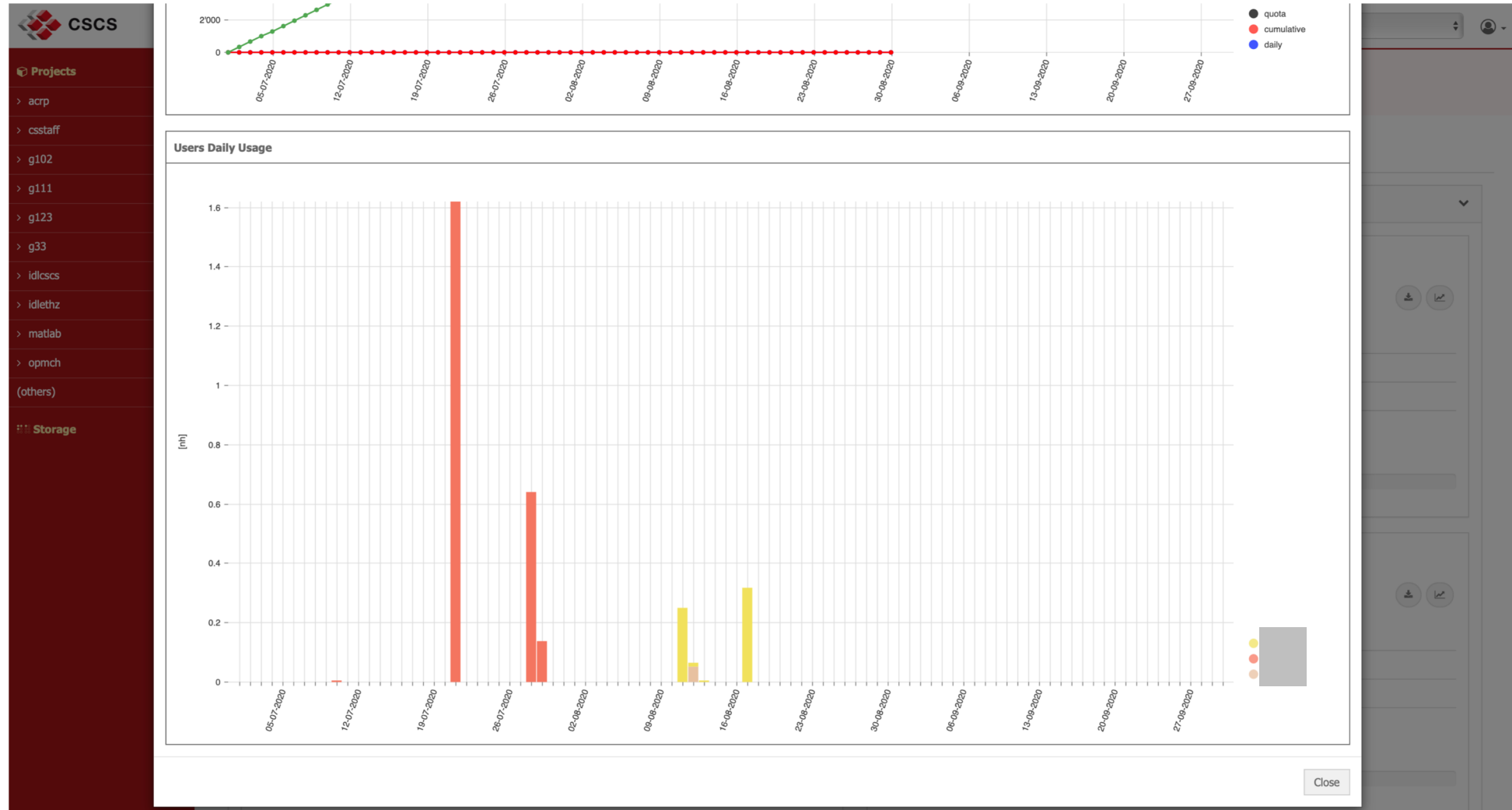
DAINI - Cray XC50	
Quarterly quota	30'000 node h
Used quota	3 node h
Accessible from	12-12-2011
Accessible until	31-03-2022
Used quota (0%)	

DOM - Cray XC50 TDS	
Quarterly quota	300 node h
Used quota	0 node h
Accessible from	27-05-2019
Accessible until	31-03-2022
Used quota (0%)	

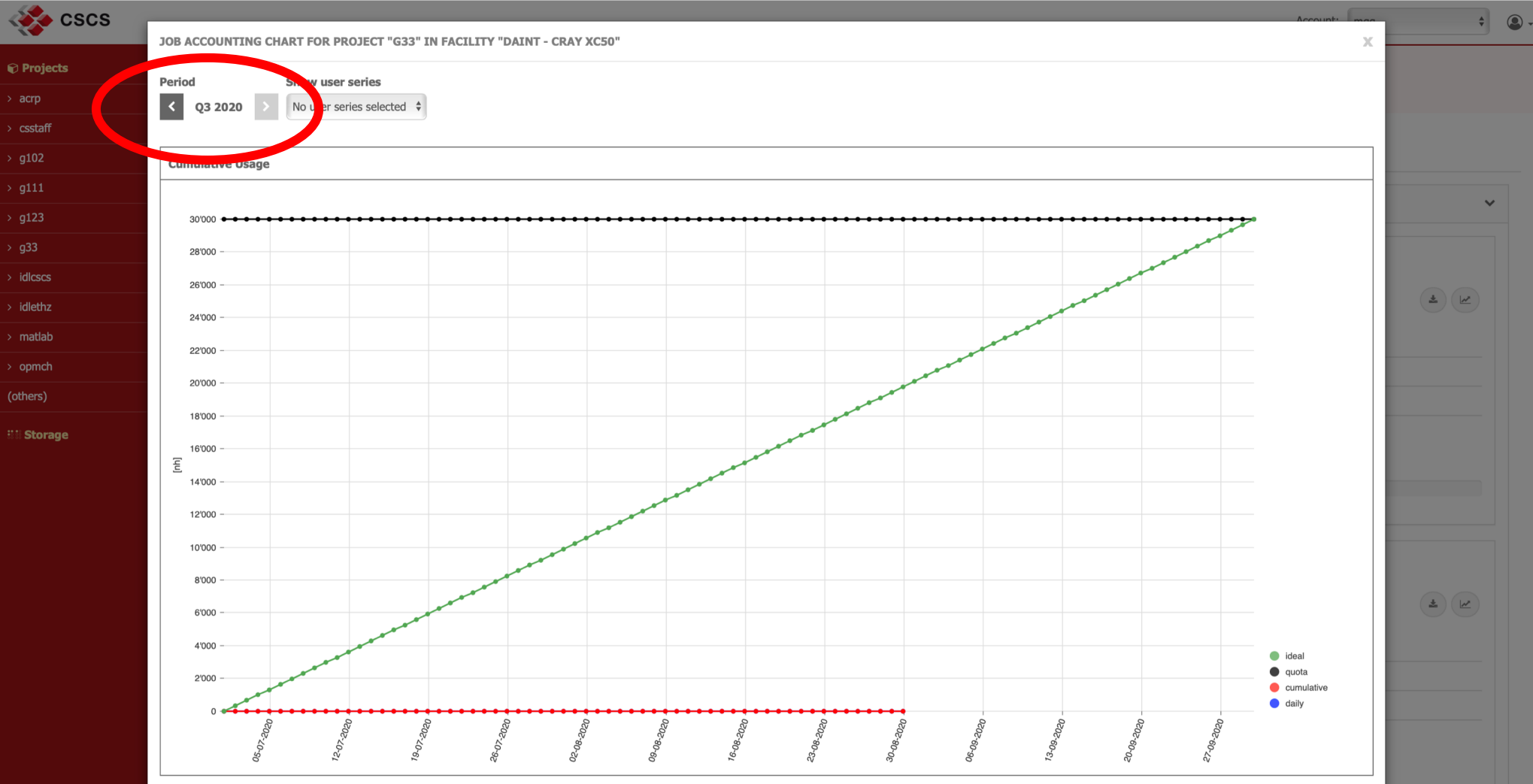
Job Accounting Chart:



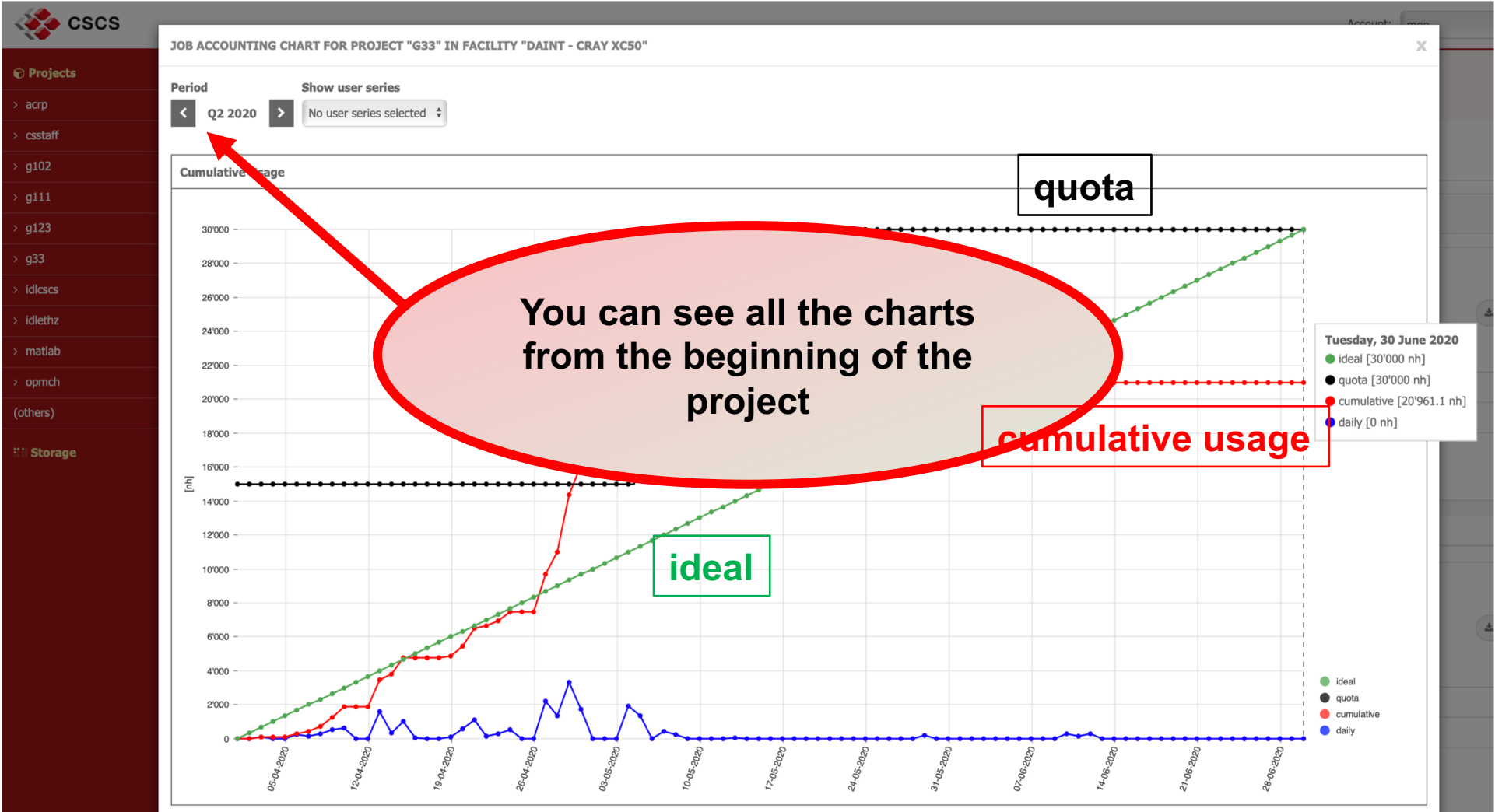
Daily usage per user in the project (scroll down!)



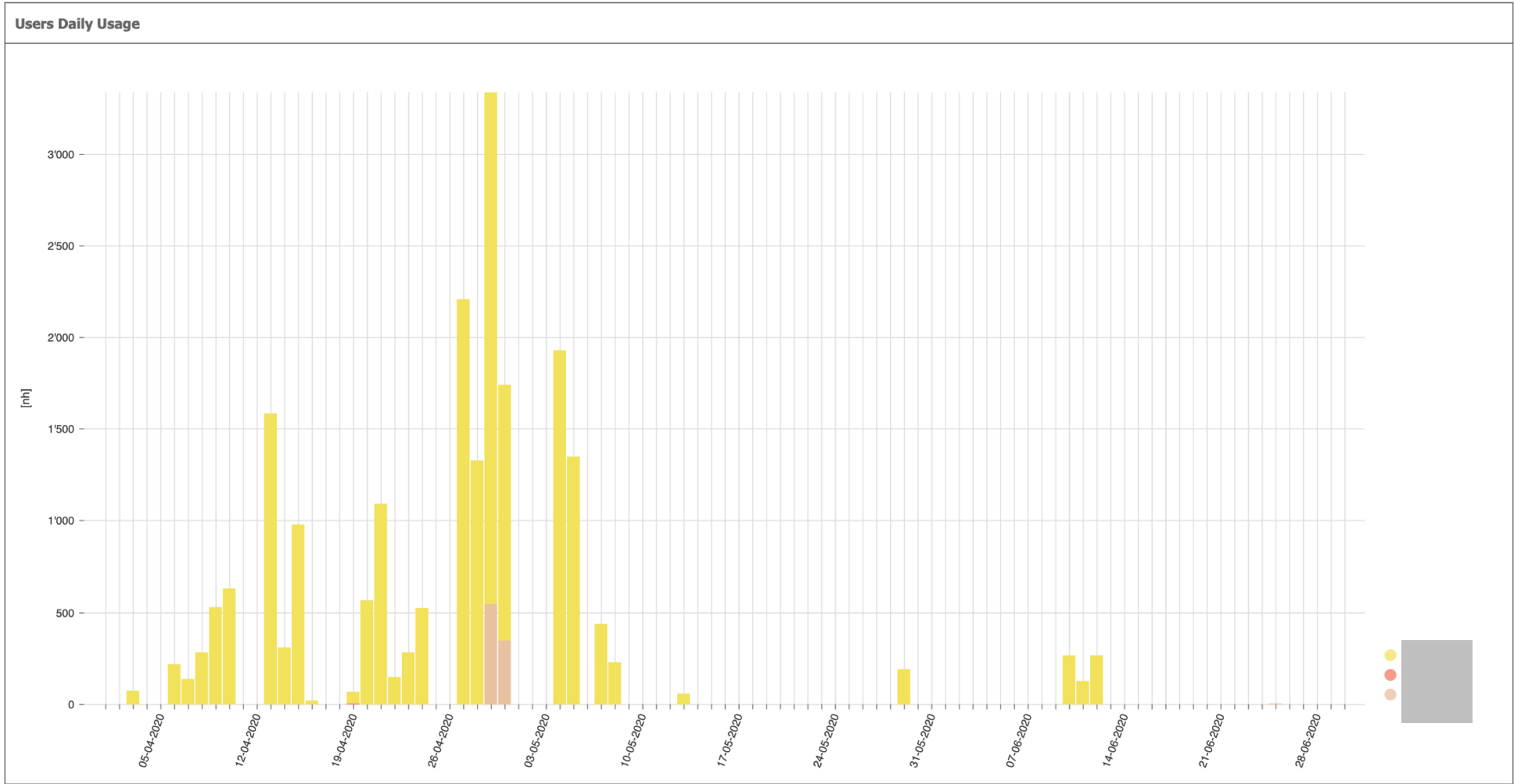
Job Accounting Chart: Previous Quarterly Usage




Job Accounting Chart: Previous Quarter Usage




Q2 2020 Daily usage per user in the project



Export Job Accounting (csv format)

 CSCS

Account: mgg 

Projects

> acrp

> csstaff

> g102

> g111

> g123

> g33

> idlscs

> idlethz

> matlab

> opmch

(others)

Storage

Project "g33" Open (12-03-2012 - 31-03-2022)

Info

Members

Compute

Storage

Access

Current compute resources

AROLLA - Cray CS Storm Prod

Quarterly quota

100 node h

Used quota

0 node h

Accessible from

14-08-2019

Accessible until

31-03-2022

Used quota (0%)

DAINT - Cray XC50

Quarterly quota

30'000 node h

Used quota

3 node h

Accessible from

12-12-2011

Accessible until

31-03-2022

Used quota (0%)

AULT - Slurm cluster

Quarterly quota

100 node h

Used quota

0 node h

Accessible from

17-04-2019

Accessible until

31-03-2022

Used quota (0%)

DOM - Cray XC50 TDS

Quarterly quota

300 node h

Used quota

0 node h


Accessible from

27-05-2019

Accessible until

31-03-2022

Used quota (0%)

 CSCS

CSCS User Lab Day - Meet the Swiss National Supercomputing Centre

ETH zürich

Export Job Accounting (csv format)

The screenshot displays the CSCS Project 'g33' interface. A modal window titled 'EXPORT JOB ACCOUNTING CSV FOR PROJECT "G33" IN FACILITY "DAINT - CRAY XC50"' is open, showing download links for CSV files from 2014 to 2020. The background interface includes a sidebar with project navigation and a main area with tabs for Info, Members, Compute, Storage, and Access. The 'Compute' tab is active, showing current compute resources for AROLLA, DAIN, and DOM facilities.

EXPORT JOB ACCOUNTING CSV FOR PROJECT "G33" IN FACILITY "DAINT - CRAY XC50"

- Download CSV 2020
- Download CSV 2019
- Download CSV 2018
- Download CSV 2017
- Download CSV 2016
- Download CSV 2015
- Download CSV 2014

Current compute resources

AROLLA - Cray CS Storm Prod

Quarterly quota	100 node h
Used quota	0 node h
Accessible from	14-08-2019
Accessible until	31-03-2022

Used quota (0%)

DAINT - Cray XC50

Quarterly quota	30'000 node h
Used quota	3 node h
Accessible from	12-12-2011
Accessible until	31-03-2022

Used quota (0%)

DOM - Cray XC50 TDS

Quarterly quota	300 node h
Used quota	0 node h
Accessible from	27-05-2019
Accessible until	31-03-2022

Used quota (0%)

Project Management: Storage



Account: mgg

Projects

> acrp

> csstaff

> g102

> g111

> g123

> g33

> idlscs

> idlethz

> matlab

> opmch

(others)

Storage

Project "g33" Open (12-03-2012 - 31-03-2022)

Info Members **Storage** Access

/project/g33 (space used: 1.97 TB, inodes used: 944'965)

	Used	Total	
Space	1.97 TB	20.00 TB	<div><div></div></div>
Files	944'965	1'000'000	<div><div></div></div>

Usage by user

User id	Space usage	Files usage	Last update time
	1.06 TB	662'575	30-08-2020 15:15
	598.98 GB	37'115	30-08-2020 15:15
	187.32 GB	43'269	30-08-2020 15:15



Who can access what



Account:

- Projects
 - > acrp
 - > csstaff
 - > g102
 - > g111
 - > g123
 - > g33
 - > idlscs
 - > idlthz
 - > matlab
 - > opmch
 - (others)
- Storage

Project "g33" **Open** (12-03-2012 - 31-03-2022)

Info Members Compute **Storage** **Access**

Access to compute resources

☒ Active ☒ Expiring ☐ Closed

Filter by "Account" Page size:

Account	AROLLA 14-08-2019 / 31-03-2022	AULT 17-04-2019 / 31-03-2022	DAINT 12-12-2011 / 31-03-2022	DOM 27-05-2019 / 31-03-2022 (edit disabled)	TSA 14-08-2019 / 31-03-2022
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Be aware

On September 9, 2020: site wide maintenance

Some scripts will cease to exist, namely:

“sbucheck” will be replaced by “accounting”

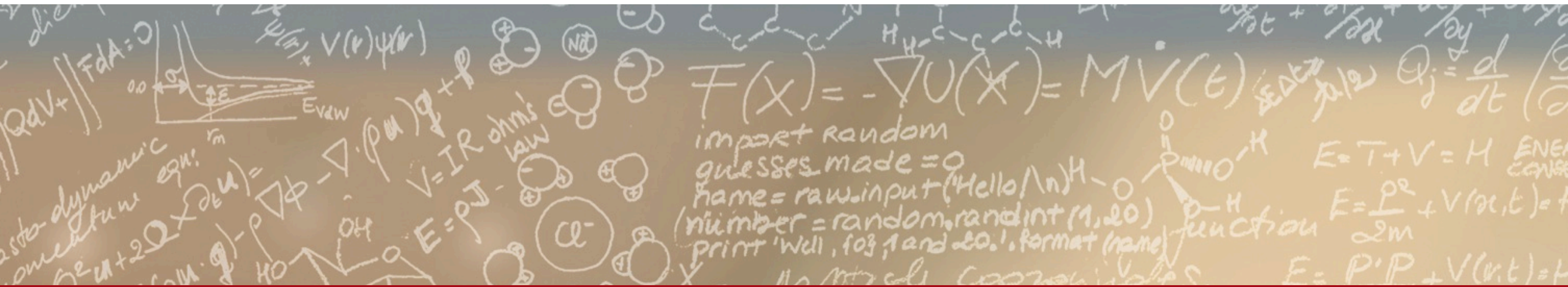
”monthly_usage” will disappear, data available in UMP



CSCS

Centro Svizzero di Calcolo Scientifico
Swiss National Supercomputing Centre

ETH zürich



Thanks for your attention.



cscsch