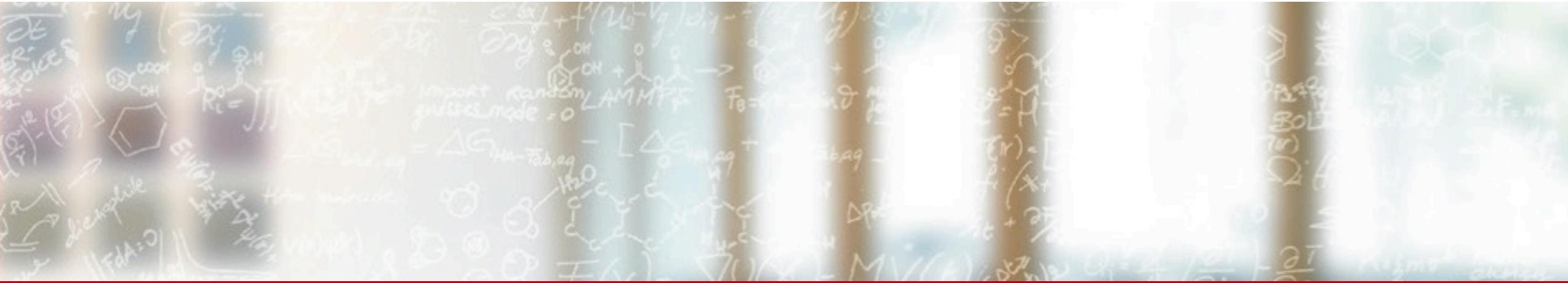




CSCS

Centro Svizzero di Calcolo Scientifico
Swiss National Supercomputing Centre

ETHzürich



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>



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Access to CSCS

With CSCS account

Remember me

LOG IN

[Forgot Password?](#)

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](#)

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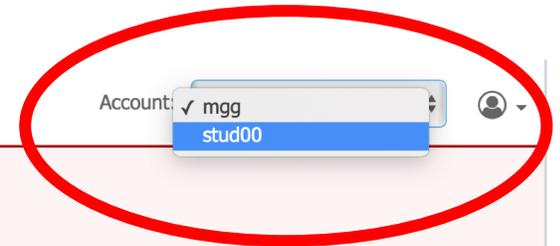
[Help](#) [Privacy](#) [Terms](#)



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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

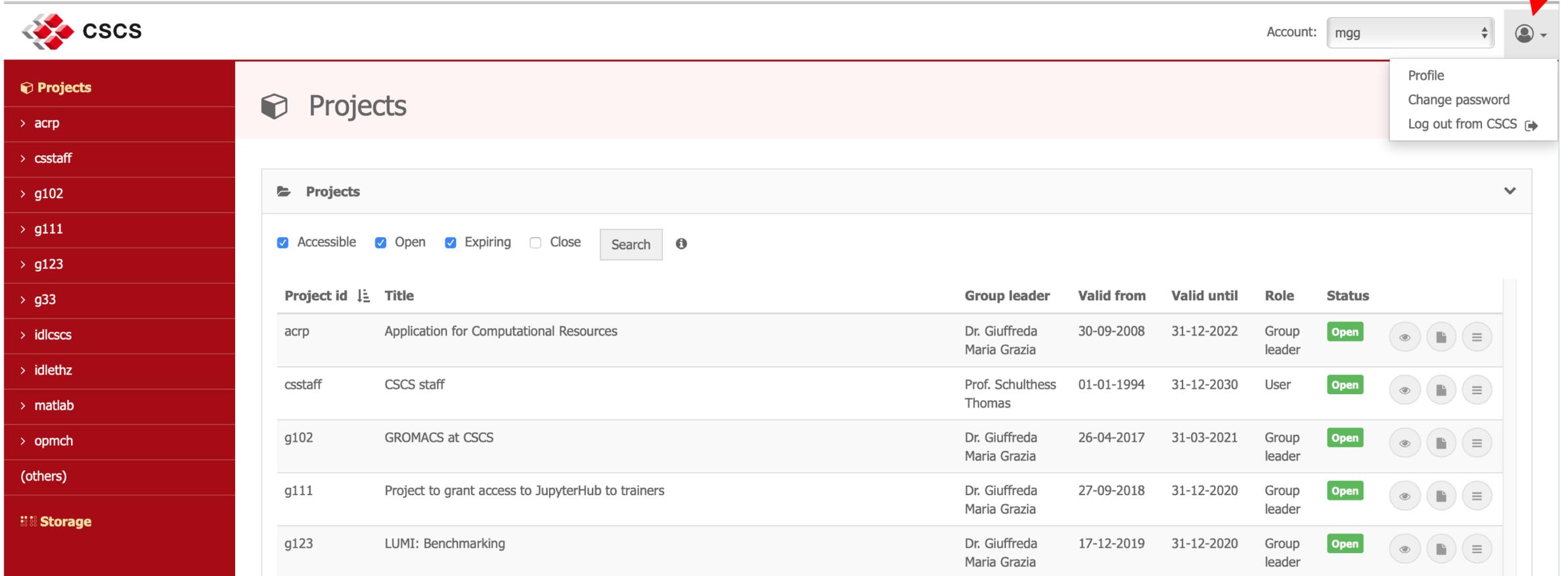
Accessible Open Expiring Close ⓘ

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	



Profile management

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



The screenshot shows the CSCS user interface. In the top right corner, the account name 'mgg' is displayed next to a user profile icon. A red arrow points to this icon, which has a dropdown menu with the following options: Profile, Change password, and Log out from CSCS.

The main content area is titled 'Projects' and displays a list of projects. The list includes columns for Project id, Title, Group leader, Valid from, Valid until, Role, and Status. The projects listed are:

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

Profile

Projects

- > acrp
- > csstaff
- > g102
- > g111
- > g123
- > g33
- > idlscs
- > idlsth
- > matlab
- > opmch
- (others)

Storage

Profile

Account

Details		Status	
Username	mgg	Status	Active
Home dir	/users/mgg	Expiration date	16-03-2031
Shell	/usr/local/bin/bash	Session valid until	31-03-2031
Primary project	csstaff		
Unix user id	20405		

[Manage external identities](#)

Public ssh keys

No results found.

Person

Personal institutional details		Personal institutional address	
Full name	Dr. Maria Grazia Giuffreda	Abbreviation	CSCS
Nationality	Switzerland	Name	Swiss National Supercomputing Centre
E-Mail	mgg@cscs.ch	Type	Academic
		Zip code	6900
		City	Lugano
		Country	Switzerland

Unchangeable



Project Membership

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



Account:

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

Projects

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

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 shows the CSCS membership management interface. On the left is a navigation sidebar with a red background, containing a 'Projects' section with a list of project IDs (acrp, csstaff, g102, g111, g123, g33, idlcscs, idlethz, matlab, opmch) and an 'Storage' section. The main content area is titled 'Project "g33" Open (12-03-2012 - 31-03-2022)'. At the top right, the account 'mgg' is displayed. Below the title, there are tabs for 'Info', 'Members', 'Compute', 'Storage', and 'Access', with 'Members' circled in red. The main content is divided into three panels: 'Project', 'Project status', and 'Group leader'. The 'Project' panel contains a table with the following data:

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

The 'Project status' panel contains a table with the following data:

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

The 'Group leader' panel contains a table with the following data:

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

At the bottom of the main content area, there is a 'System information' panel with the following data:

System information	
Unix group id	30902
Unix group name	g33

Membership Management for PIs



Account:

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:

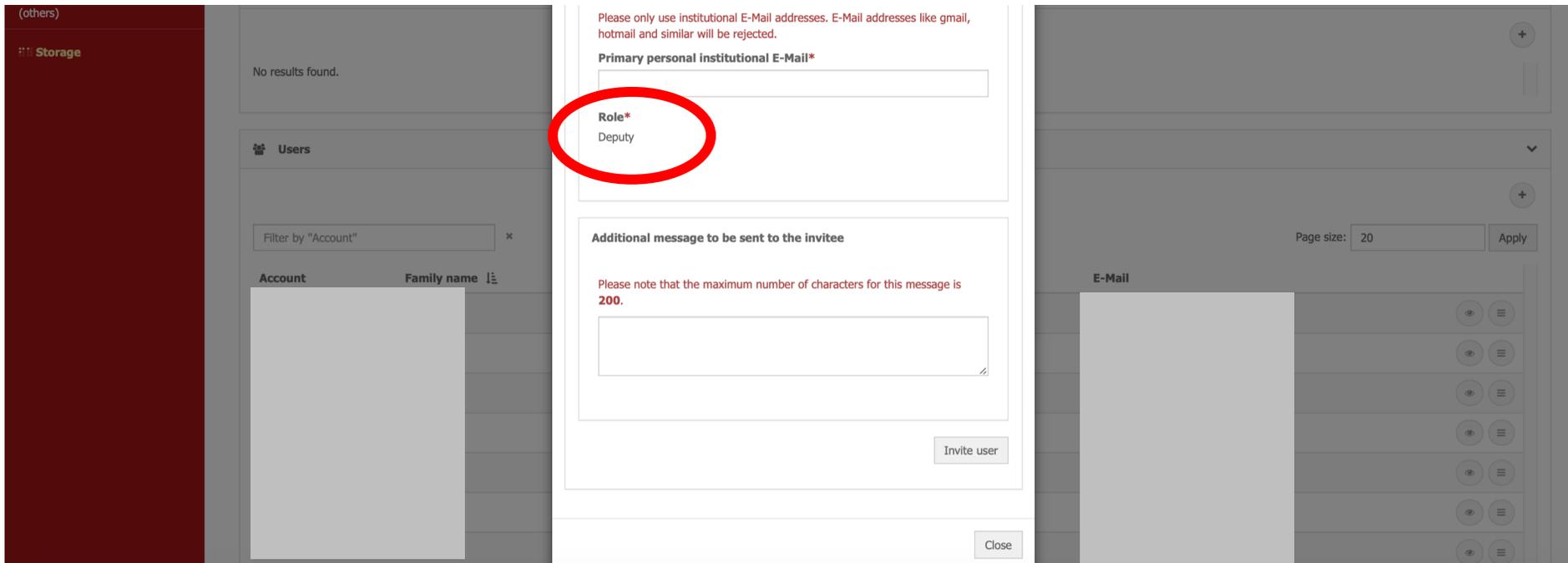
Account	Family name	Given name	Primary project	E-Mail	
			g33		



Add your deputy:



Only institutional email addresses!



Membership Management for PIs and deputies only



Account:

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:

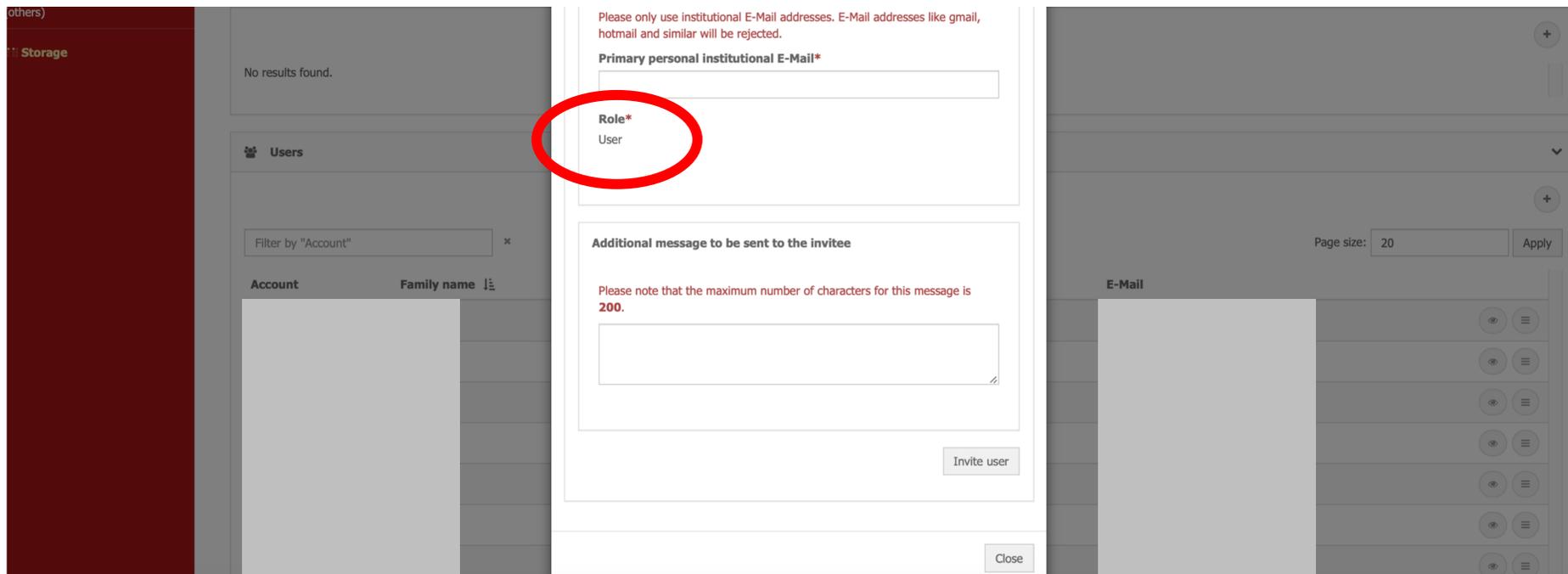
Account	Family name	Given name	Primary project	E-Mail	
...	g33	...	



Add a user:



Only institutional email addresses!



Removing members



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

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



Project Management: Compute



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

Project

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



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

The screenshot displays the CSCS project management interface for project "g33". The interface is divided into a left sidebar and a main content area. The sidebar lists various projects and storage options, with "g33" selected. The main content area shows the project details and a list of compute resources. The "Compute" tab is active, showing four resource cards: AROLLA - Cray CS Storm Prod, AULT - Slurm cluster, DAINI - Cray XC50, and DOM - Cray XC50 TDS. The DAINI card is circled in red, and a red arrow points to its download icon.

Account: mgg

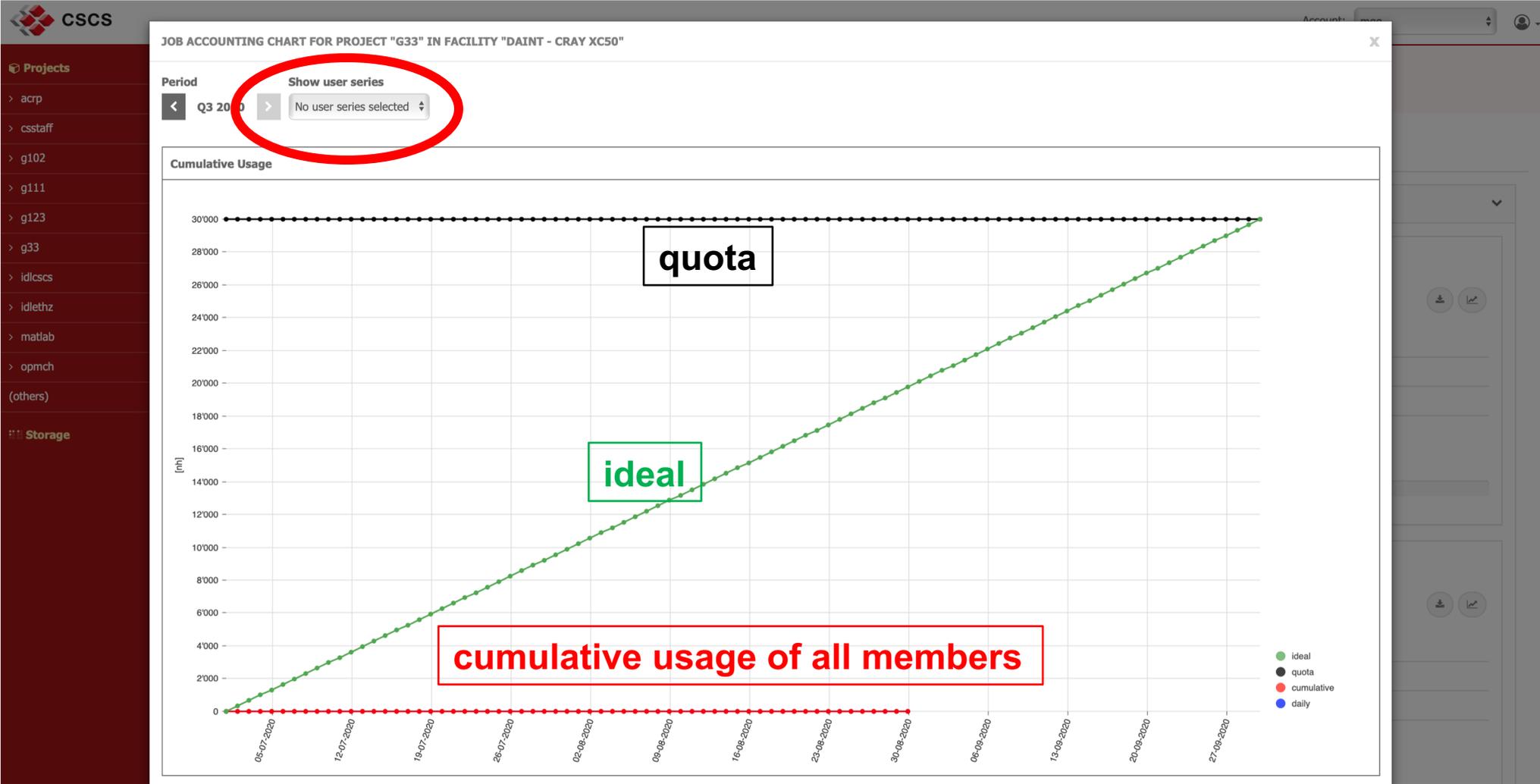
Project "g33" **Open** (12-03-2012 - 31-03-2022)

Info Members **Compute** Storage Access

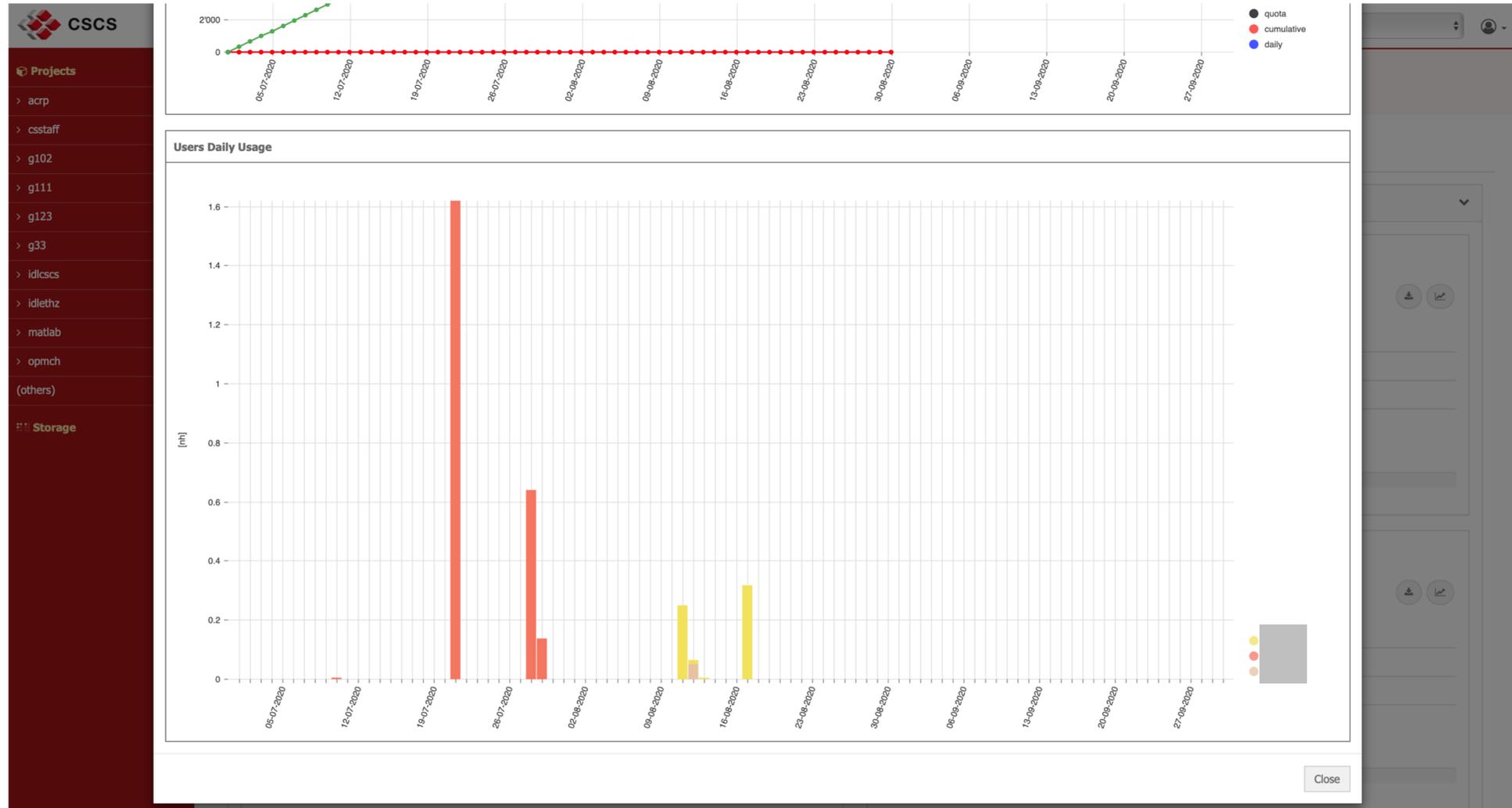
Current compute resources

Resource Name	Quarterly quota	Used quota	Accessible from	Accessible until
AROLLA - Cray CS Storm Prod	100 node h	0 node h	14-08-2019	31-03-2022
AULT - Slurm cluster	100 node h	0 node h	17-04-2019	31-03-2022
DAINI - Cray XC50	30'000 node h	3 node h	12-12-2011	31-03-2022
DOM - Cray XC50 TDS	300 node h	0 node h	27-05-2019	31-03-2022

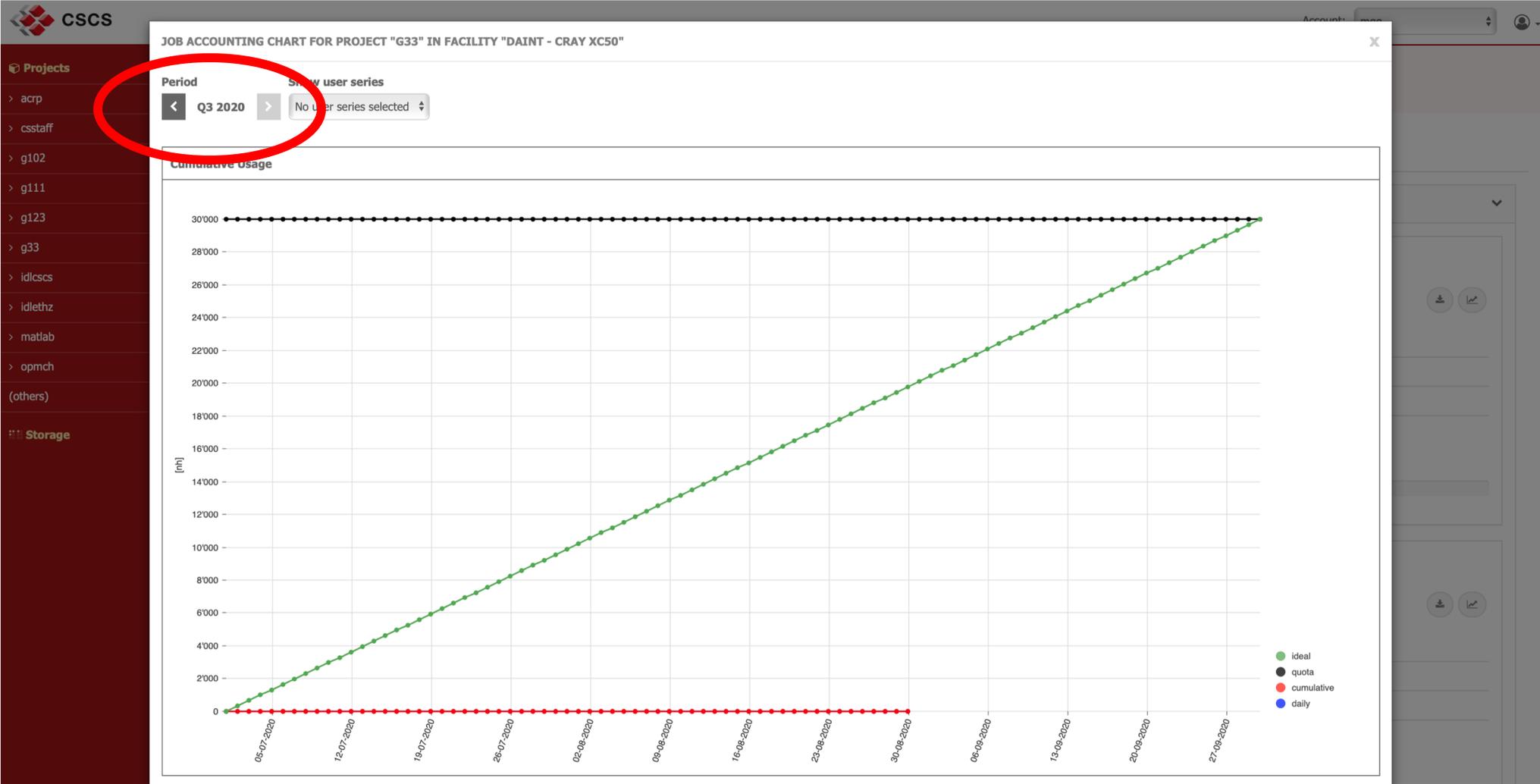
Job Accounting Chart:



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



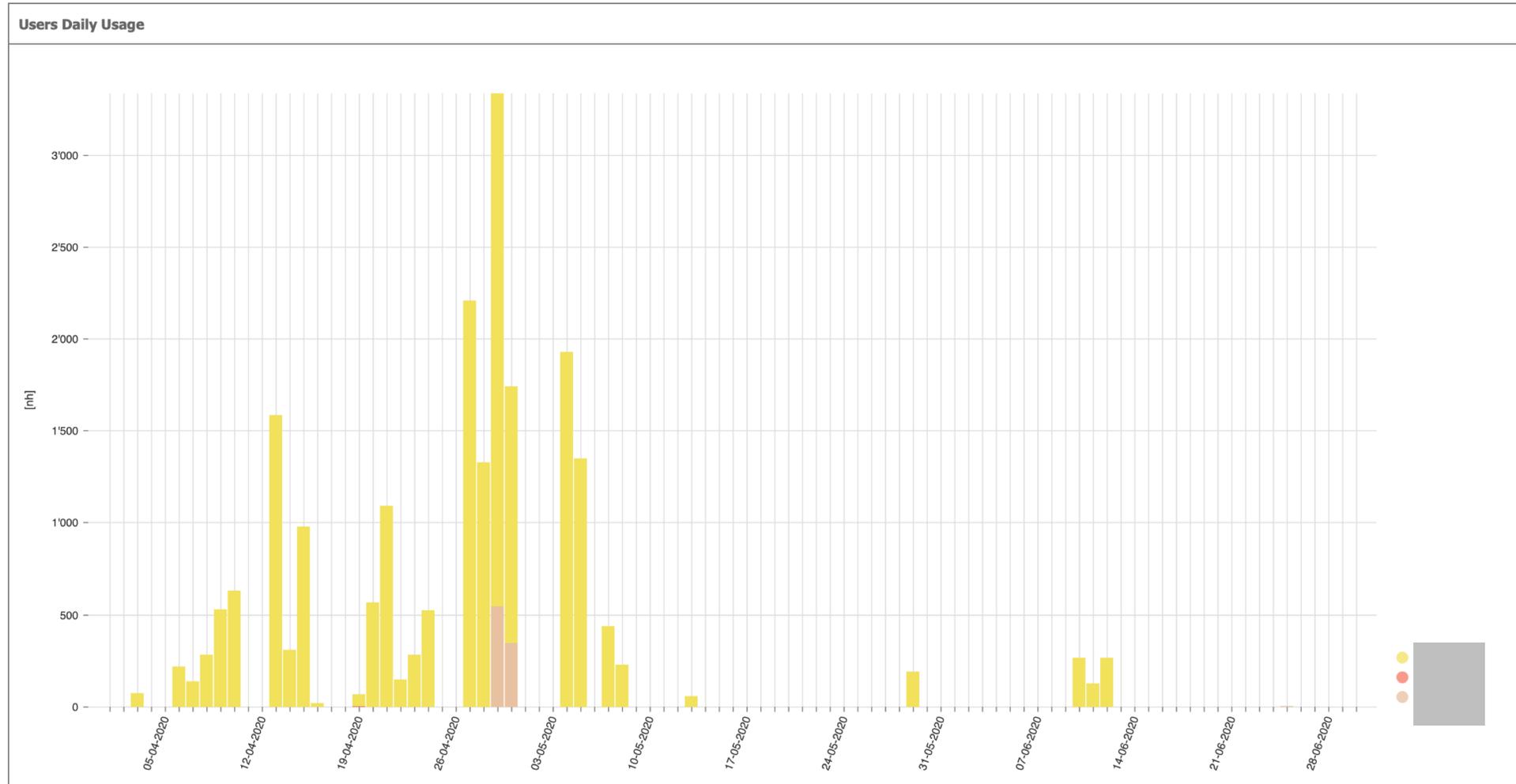
Job Accounting Chart: Previous Quarterly Usage



Job Accounting Chart: Previous Quarter Usage



Q2 2020 Daily usage per user in the project



Export Job Accounting (csv format)



Account:

- 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%)

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%)

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%)



Export Job Accounting (csv format)

The screenshot displays a web interface for project management. On the left, a sidebar lists various projects and users. The main content area shows details for Project "g33", which is currently "Open". A modal dialog is open in the center, titled "EXPORT JOB ACCOUNTING CSV FOR PROJECT 'G33' IN FACILITY 'DAINT - CRAY XC50'". This dialog contains seven buttons for downloading CSV files for the years 2014 through 2020. The background interface shows a table of "Current compute resources" with columns for facility name, quarterly quota, used quota, accessible from, and accessible until. Three resources are listed: AROLLA - Cray CS Storm Prod, DAIN - Cray XC50, and DOM - Cray XC50 TDS. Each resource entry includes a progress bar for "Used quota (0%)".

Facility	Quarterly quota	Used quota	Accessible from	Accessible until
ARROLLA - Cray CS Storm Prod	100 node h	0 node h	14-08-2019	31-03-2022
DAINT - Cray XC50	30'000 node h	3 node h	12-12-2011	31-03-2022
DOM - Cray XC50 TDS	300 node h	0 node h	27-05-2019	31-03-2022

Project Management: Storage



Account:

Projects

- > acrp
- > csstaff
- > g102
- > g111
- > g123
- > g33
- > idlcscs
- > idlthz
- > 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	
Files	944'965	1'000'000	

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" x

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"/>



Be aware

On September 9, 2020: site wide maintenance

Some scripts will cease to exist, namely:

“sbucheck” will be replaced by “accounting”

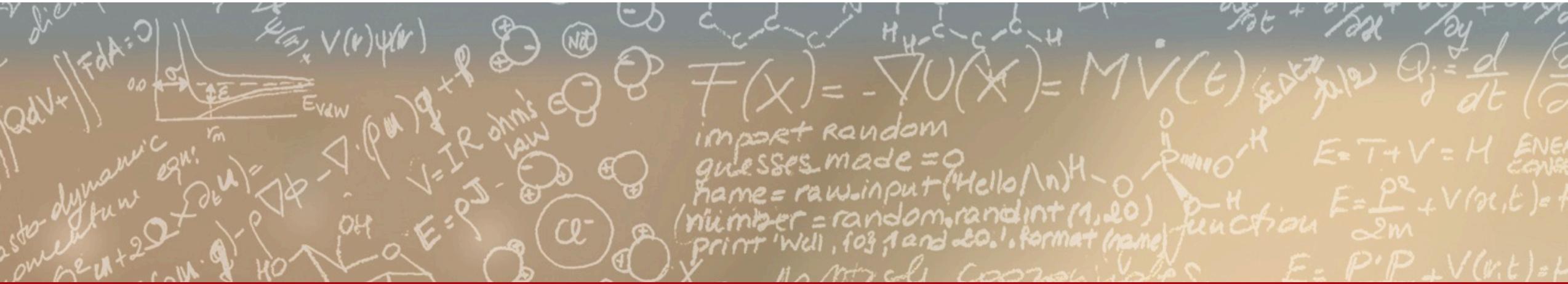
”monthly_usage” will disappear, data available in UMP



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Thanks for your attention.

