



Consortium des Équipements de Calcul Intensif
Funded by F.R.S.-FNRS

Tier-1 projects

I want to...

- [create a project](#)

You are about to request the creation of a 'project' to allow yourself and your co-workers access to particular resources.
Please enter your CÉCI login and the requested acronym for your project.
- [update a project](#)
- [terminate a project](#)

create a project

My CÉCI login:

Project Acronym:

An email has been sent to damien.francois@uclouvain.be

Send

Step1: go to the Project Management Web Page

I want to...

- [create a project](#)
- You are about to request the creation of a 'project' to allow yourself and your co-workers access to particular resources.

Please enter your CÉCI login and the requested acronym for your project.
- [update a project](#)
- [terminate a project](#)

create a project

My CECI login:

Project Acronym:

login "goldorak" is is not known

Send

Step2: enter your CÉCI login

I want to...

- [create a project](#)
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Please enter your CÉCI login and the requested acronym for your project.
- [update a project](#)
- [terminate a project](#)

create a project

My CÉCI login:

Project Acronym:

The project "testproj" already exists

Send

Step3: Choose a unique project acronym

You get a link by email..
Click it.

CÉCI Login Management x CÉCI Login Management x CÉCI Login Management x CÉCI Login Management x

localhost:8000/project/17k=f5947a85-b5a5-4961-83de-d5202618c3ba

CÉCI New project "testproj" FAQ

1. Identify the project

Name

Acronym

The acronym must be between 4 and 8 characters long and can only contain lowercase letters

Project Category

Applied research. Refer to the document "Accord sur les modalités d'utilisation d'un supercalculateur (PRACE) for details."

2. Provide a description

Short description of the project

Please provide as much information as you can such as the objective of the research, the funding source, partners, etc.

3. Setup the details

Requested CPU hours

Approximate number of CPU hours the project will consume

Expiration date

Example: 2018-12-31

Step3: Fill in the form

CÉCI Login Management x CÉCI Login Management x CÉCI Login Management x CÉCI Login Management x

localhost:8000/project/17k=f5947a85-b5a5-4961-83de-d5202618c3ba

CÉCI New project "testproj" FAQ

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Expiration date

Example: 2018-12-31

3. Setup the details

Requested CPU hours

Approximate number of CPU hours the project will consume

Click there for help

3. Setup the details

Requested CPU hours

Approximate number of CPU hours the project will consume

Expiration date

Example: 2018-12-31

Requested disk space

Maximum shared disk space in GB the project will need

Users

Please select the users that are members of the project

dfr
 tk

- tkeutgen
- tkleyntssens
- tkus

[terms and conditions](#)

4. S

Once the form is completely filled-in, click the 'Send' button. A system administrator will review your request.

If you want to save the current data and submit it later, click the 'Save' button.

Add users
(auto completion)

3. Setup the details

Requested CPU hours

Approximate number of CPU hours the project will consume

Expiration date

Example: 2018-12-31

Requested disk space

Maximum shared disk space in GB the project will need

Users

Please select the users that are members of the project

I have read and agree with the [terms and conditions](#)

4. Submit!

Once the form is completely filled-in, click the 'Send' button. A system administrator will review your request.

If you want to save the current data and submit it later, click the 'Save' button.

3. Setup the details

Requested CPU hours

Approximate number of CPU hours the project will consume

Expiration date

Example: 2018-12-31

Requested disk space

Maximum shared disk space in GB the project will need

Users
Please select the users that are members of the project

dfr tkeutgen

I have

User:
Thomas Keutgen

Remove user from your list:

If you want to save the current data and submit it later, click the 'Save'

You can also remove them

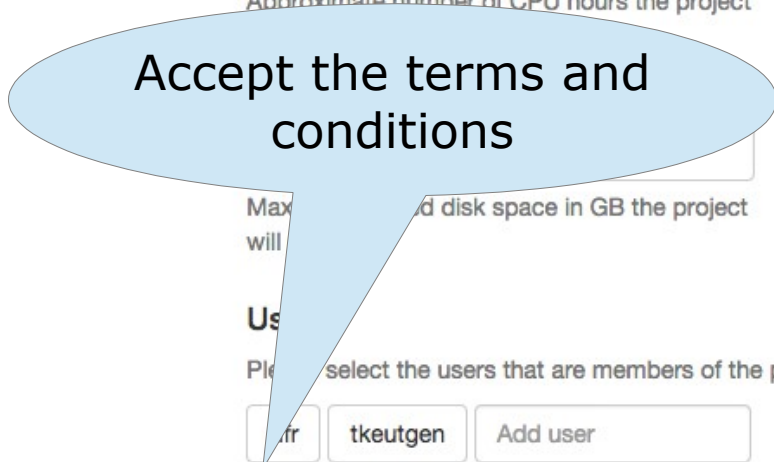
3. Setup the details

Requested CPU hours

Approximate number of CPU hours the project

Expiration date

Example: 2018-12-31



Maximum disk space in GB the project will

Users
Please select the users that are members of the project

I have read, and agree with, the [terms and conditions](#).

4. Submit!

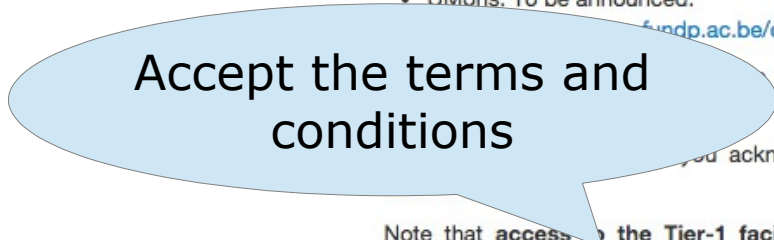
Once the form is completely filled-in, click the 'Send' button. A system administrator will review your request.

If you want to save the current data and submit it later, click the 'Save' button.

2.5 What are the rules for using a CÉCI cluster ?

First, you need to adhere to the general rules related to the use of computers and networks at the different universities. They can be consulted at the following web pages.

- UCL: <https://www.uclouvain.be/22811.html> and <http://www.cism.ucl.ac.be/login>
- ULB: <http://www.ulb.ac.be/ulb/greffe/documents/reseau.html>
- ULg: http://www.ulg.ac.be/cms/c_22973/modalites-et-deontologie
- LIMons: To be announced.



www.fondp.ac.be/organes/codeo/principes

'good practices' described in the [Fair usage of the CÉCI clusters](#)

you acknowledge the use of the CÉCI clusters in your publications (See

Note that access to the **Tier-1 facility** hosted at Cenaéro is subject to the **additional terms and conditions** described [here](#).

2.6 Which cluster should I use ?

The choice of the cluster should **firstly** be based on the **hardware** the cluster offers. For instance, large parallel jobs should be run on a cluster with a fast network, and jobs producing a lot of data should be run on clusters with a fast file system. Jobs needing none of the above resources should run on clusters which do not have them so as to leave the resources available for the jobs depending on them. See more details and hints in the [Choosing a cluster wisely](#) document.

Nevertheless, **sometimes**, the **availability of a commercial software** will restrict the choice with the cluster, but free and/or open-source software can be installed anywhere, either by yourself in your home directory using [configuration scripts](#) when available, or by the system administrator. Do not let the availability or non-availability of such easy-to-install software guide your choice. Similarly, queue **policies** may limit your choice. For instance, time limitations are different from one cluster to another. Keep in mind, though, that well-written scientific software often implement [checkpointing](#), a mechanism that allows stopping a computation moment and restart it at a later time.

Finally, **exceptionally**, the **current load** of the clusters can be used to choose a cluster to launch short jobs, say less than a day, to avoid monopolizing a resource which is underused.

Terms and conditions related to the use of the Cenaéro-hosted Tier-1 cluster

The precise terms and conditions will be available here as soon as they are finalized.

More to come...

ts

obtained from the Tier-1 cluster must include the following paragraph
'ement' section:

The present research benefited from computational resources made available on the Tier-1 supercomputer of the Fédération Wallonie-Bruxelles, infrastructure funded by the Walloon Region under the grant agreement n°1117545.

If the paper is published in French, the following must be used:

Les présents travaux ont bénéficié de moyens de calcul mis à disposition sur le supercalculateur Tier-1 de la Fédération Wallonie-Bruxelles, infrastructure financée par la Région wallonne sous la convention n°1117545 .

Approximate number of CPU hours the project will consume

Example: 2018-12-31

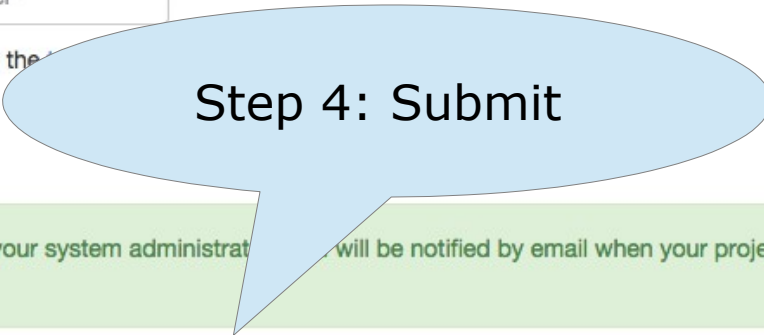
Requested disk space

Maximum shared disk space in GB the project will need

Users

Please select the users that are members of the project

I have read, and agree with, the



4. Submit!

A request has been sent to your system administrator. You will be notified by email when your project is ready.

Once the form is completely filled-in, click the 'Send' button. A system administrator will review your request.

If you want to save the current data and submit it later, click the 'Save' button.

1. Identify the project

Name

A sysadmin reviews the information

The acronym must be 4 and 8 characters long and can only contain lowercase letters

Project Category
Catégorie 2

Applied research. Refer to the document "Accord sur les modalités d'utilisation d'un supercalculateur (PRACE) for details."

3. Setup the details

Requested CPU hours
500000

Approximate number of CPU hours the project will consume

2. Provide a description

Short description of the project
My test project is the first Tier1 project

Please provide as much information as you can such as the objective of the research, the funding source, partners, etc.

Expiration date
2017-09-04

Example: 2018-12-31

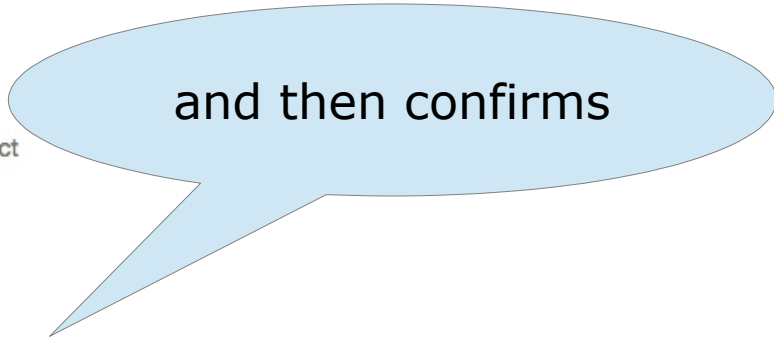
3. Setup the details

Requested CPU hours
500000
Approximate number of CPU hours the project will consume

Expiration date
2017-09-04
Example: 2018-12-31

Requested disk space
100
Maximum shared disk space in GB the project will need

Users
Please select the users that are members of the project
dfr tkeutgen Add user



4. Submit!

If the information here above is correct, click the confirm button. The LDAP server will be updated soon after. **Confirm** ✓

If you want to save the current data and submit it later, click the 'Save' button. **Save** ☁

Approximate number of CPU hours the project will consume

Example: 2018-12-31

Requested disk space

Maximum shared disk space in GB the project will need

Users

Please select the users that are members of the project

4. Submit!

Project successfully confirmed.

If the information here above is correct, click the confirm button. The LDAP server will be updated soon after.

If you want to save the current data and submit it later, click the 'Save' button.

User

Project

Search



myproj

testproj

My test project

Name

My test project

Acronym

testproj

Investigator

damien.francois@uclouvain.be

Description

My test project is the first Tier1 project

CPU hours

500000

Expiration Date

2017-09-04

Disk space

100

Users

dfr

tkeutgen

Add user

Status

Draft

Waiting

Confirmed

Done

Actions

Save

Kick

I want to...

- create an account
- renew my account
- join an existing project**
- reset my passphrase
- retrieve my private key
- change my email address
- invite a guest or renew a guest account

Users then can join the project later on

join an existing project

address:

An email has been sent to bernard.vanreterghem@uclouvain.be

Should an option be missing, please contact us.

University

- Université catholique de Louvain
- Université de Liège

Institut

- Calcul intensif et stockage de masse
- Centre de traitement automatique du langage
- and Life Institute
- Faculté d'architecture

Pôle

- CISM sysadmins ✓

They need to know the project acronym

Projects

Projects allow access to supplementary resources, a. o. the Tier-1 cluster. Please make sure you have the authorization from the project owner before choosing one. You will need to know the acronym of the project.

or submit:

Once the form is completely filled-in, click the 'Send' button. A system administrator will review your request.

Send ↗

If you want to save the current data and submit it later, click the 'Save' button.

Save ☁

Should an option be missing, please contact us.

University

- Université catholique de Louvain
- Université de Liège
- Université de Mons
- Université de Namur

Institut

- Calcul intensif et stockage de masse
- Centre de traitement automatique du langage
- Earth and Life Institute
- Faculté d'architecture

Pôle

- CISM sysadmins

They too have to accept the terms and conditions

...the Tier-1 cluster. Please make sure you have the authorization to create a project. Please choose one. You will need to know the acronym of the project.

testproj

I have read, and agree with, the [terms and conditions](#).

5. Submit!

Once the form is completely filled-in, click the 'Send' button. A system administrator will review your request.

If you want to save the current data and submit it later, click the 'Save' button.

Should an option be missing, please contact us.

University

- Université catholique de Louvain
- Université de Liège
- Université de Mons
- Université de Namur
- Université libre de

Institut

- Calcul intensif et stockage de masse
- Centre de traitement automatique du langage
- Earth and Life Institute
- Faculté d'architecture

Pôle

- CISM sysadmins ✓

Projects

Projects allow access to supplementary resources, a. o. the Tier-1 cluster. Please make sure you have the authorization from the project owner before choosing one. You will need to know the acronym of the project.

testproj

Project Title:

Remove project from your list:

If you want to save the current data and submit it later, click the 'Save' button.

your request.

I want to...

- [create a project](#)
- You are about to request the creation of a 'project' to allow yourself and your co-workers access to particular resources.

Please enter your CÉCI login and the requested acronym for your project.
- [update a project](#)
- [terminate a project](#)

create a project

My CÉCI login:

Project Acronym:

The project "myproj" already exists

[Send](#)

You can't create a project if the acronym is already used

I want to...

- [create a project](#)
- [update a project](#)
- You are about to update an existing project.
- [terminate a project](#)

update a project

My CECI login:

Project Acronym:

An email has been sent to damien.francois@uclouvain.be

Send

But you can modify it if you are the owner

I want to...

- [create a project](#)
- [update a project](#)
- You are about to update an existing project.
- [terminate a project](#)

update a project

My CÉCI login:

Project Acronym:

Project go unknown

[Send](#)

(if has to exist then of course)

A corresponding project is then created on Zenobe with:

- share storage space
- PBS project tag
- UNIX project group

Each member of the project not already having access to Zenobe will have an account accessible with their CÉCI SSH key and will be added to the PBS project and UNIX group.