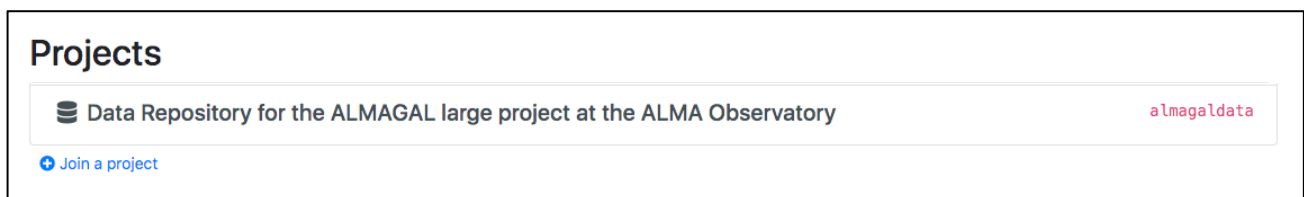


Access to the Jülich super computers (JSC) ALMAGAL project

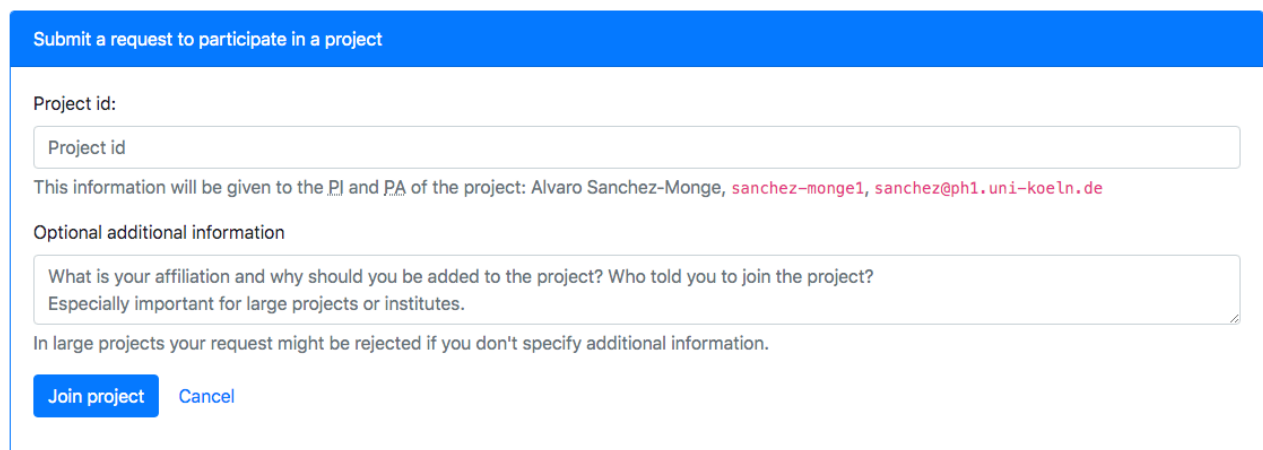
- Step 1.-** Send an email to Álvaro Sánchez-Monge (sanchez@ph1.uni-koeln.de) to indicate that you want to create an account.
- Step 2.-** Register in the webpage: <https://judoor.fz-juelich.de>
- Step 3.-** Login with your created account, and go the section “Projects”. You will be able to “Join a project” (see blue text in Fig. 1).



The screenshot shows a web interface titled "Projects". Below the title is a search bar with the text "Data Repository for the ALMAGAL large project at the ALMA Observatory" and a red label "almagaldata" on the right. Below the search bar is a blue button with a plus icon and the text "Join a project".

Figure 1: List of projects that you have joined. Select “Join a project” for a new one.

- Step 4.-** Indicate the project ID: “*almagaldata*”, and your name in the “Optional additional information” (see Fig. 2). You will need to wait for confirmation.



The screenshot shows a form titled "Submit a request to participate in a project". It has a "Project id:" label and a text input field containing "Project id". Below this is a note: "This information will be given to the PI and PA of the project: Alvaro Sanchez-Monge, *sanchez-monge1*, *sanchez@ph1.uni-koeln.de*". There is an "Optional additional information" label and a large text area with the placeholder text: "What is your affiliation and why should you be added to the project? Who told you to join the project? Especially important for large projects or institutes." Below the text area is a note: "In large projects your request might be rejected if you don't specify additional information." At the bottom are two buttons: "Join project" (blue) and "Cancel" (light blue).

Figure 2: Indicate the project ID and your name to join the project.

- Step 5.-** After you have been granted access, you should be able to see the project “*almagaldata*” in the list of projects

Step 6.- Accessing the JSC computers. For this, I refer to the official information listed in: <https://apps.fz-juelich.de/jsc/hps/juwels/access.html>

Note, in particular, the section regarding the “Key Generation”

Step 7.- Once you have set up your ssh-key, you can try accessing the computers with one of the following commands:

- `ssh -X username1@judac.fz-juelich.de`
- `ssh -X -i ~/.ssh/id_ed25519_jsc username1@judac.fz-juelich.de`

Step 8.- Once you are in the computers, you can access the disk where the data are stored by typing:

- `cd $DATA_almagaldata`

Step 9.- In the following you will copy/transfer a test file from JSC to your computer, in order to identify possible problems, if any.

- `cd $DATA_almagaldata`
- `ls -l`
 - `copy_test.txt`
 - `data`
 - `software`
- `pwd`
 - `/p/largedata/almagaldata`

Open a new terminal, and go to the directory where you want to store the file that you will transfer. Then type:

- `scp -rp username1@judac.fz-juelich.de:/p/largedata/almagaldata/copy_test.txt .`

Step 10.- Send an email to Álvaro Sánchez-Monge (sanchez@ph1.uni-koeln.de) indicating if everything worked fine.