



# Usage Charter

## "mudis4ls" storage space on titan-3

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This document outlines the best practices for using the "mudis4ls" storage resources accessible on the titan-3 server managed by the Mesocenter of the University of Lille.

These resources were funded by a joint investment from the EquipEx+ MuDiS4LS project led by the Institut Français de Bioinformatique, with the Bilille platform as a partner, and the PIE cross-disciplinary project led by the Evo-Eco-Paleo research unit. Storage resources are therefore allocated for use in these two projects and, by extension, in the Bilille platform projects. In the following, we will refer to the "mudis4ls" space, which covers the whole of the storage space, regardless of the project in question (MuDiS4LS, PIE, Bilille projects).

The objective is for these resources to serve as many people as possible, in good understanding and in compliance with the following rules:

- The usable storage space is accessible:
  - From `/data/mudis4ls` by connecting directly to `titan-3.univ-lille.fr` (`ssh user@titan3.univ-lille.fr`). It is forbidden to use the home directory (`/home`) to store data.
  - From `/storage/mudis4ls` by connecting to the cluster `zeus.univ-lille.fr` (`ssh user@zeus.univ-lille.fr`)
- The "mudis4ls" storage is for the exclusive use of projects from the EquipEx+ MuDiS4LS, CDP PIE, and Bilille platform.
- The "mudis4ls" storage is structured by project folders, access to which is managed by specific user groups for each project. In the case of a new project (or sub-project) within the scope described above, it is necessary to submit a request for the creation of a project folder to [bilille@univ-lille.fr](mailto:bilille@univ-lille.fr). This request must include: the project name, the context in which the project falls (i.e., MuDiS4LS WPx, PIE WPx, Bilille project), and the list of people who need access to this new folder. It is also possible to add or remove access to an existing project folder upon simple request to [bilille@univ-lille.fr](mailto:bilille@univ-lille.fr). By default, members of a project group have read, write, and execute rights for the entire corresponding project folder.
- When adding files/folders within a project folder, the user must change the group owner of these files/folders using `chown` command to ensure access for the entire user group of the project folder (the group name is provided in the properties of the project folder via `ls -al`). For example:  

```
chown -R :bilille-cdp-pie-wp3 /data/mudis4ls/CDP-PIE/WP3/myNewFolder
```
- The space allocated to each project folder is not individually limited, however, the total "mudis4ls" space is limited to 182 TB. As with any shared resource, the use of this space is therefore the responsibility of each user. In case of repeated abuse, access rights to this space may be revoked without delay.
- Data storage is ensured for the duration of the funding for the corresponding projects (2028 for the CDP PIE and 2029 for MuDiS4LS). Beyond this duration, no guarantee is provided regarding the availability of this storage. Therefore, the user should anticipate an alternative storage solution before the end of these two projects.