Connection to the server

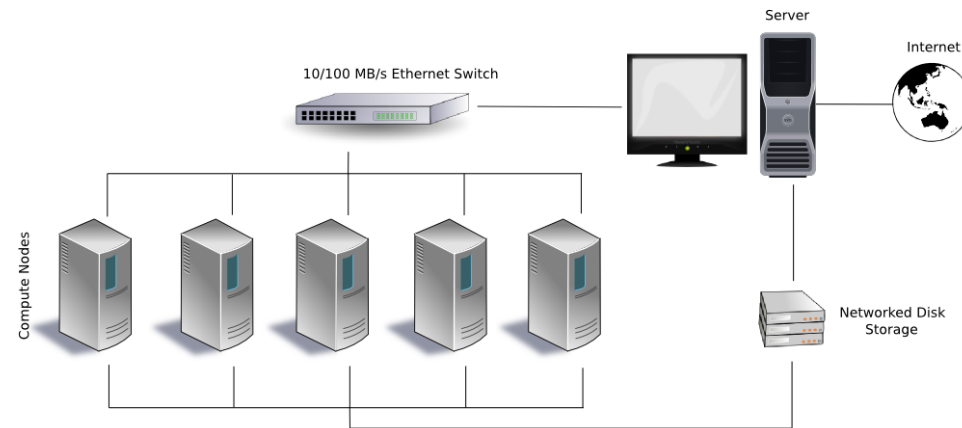**Gustavo Adolfo Silva-Arias Ph.D**

Technische Universität München
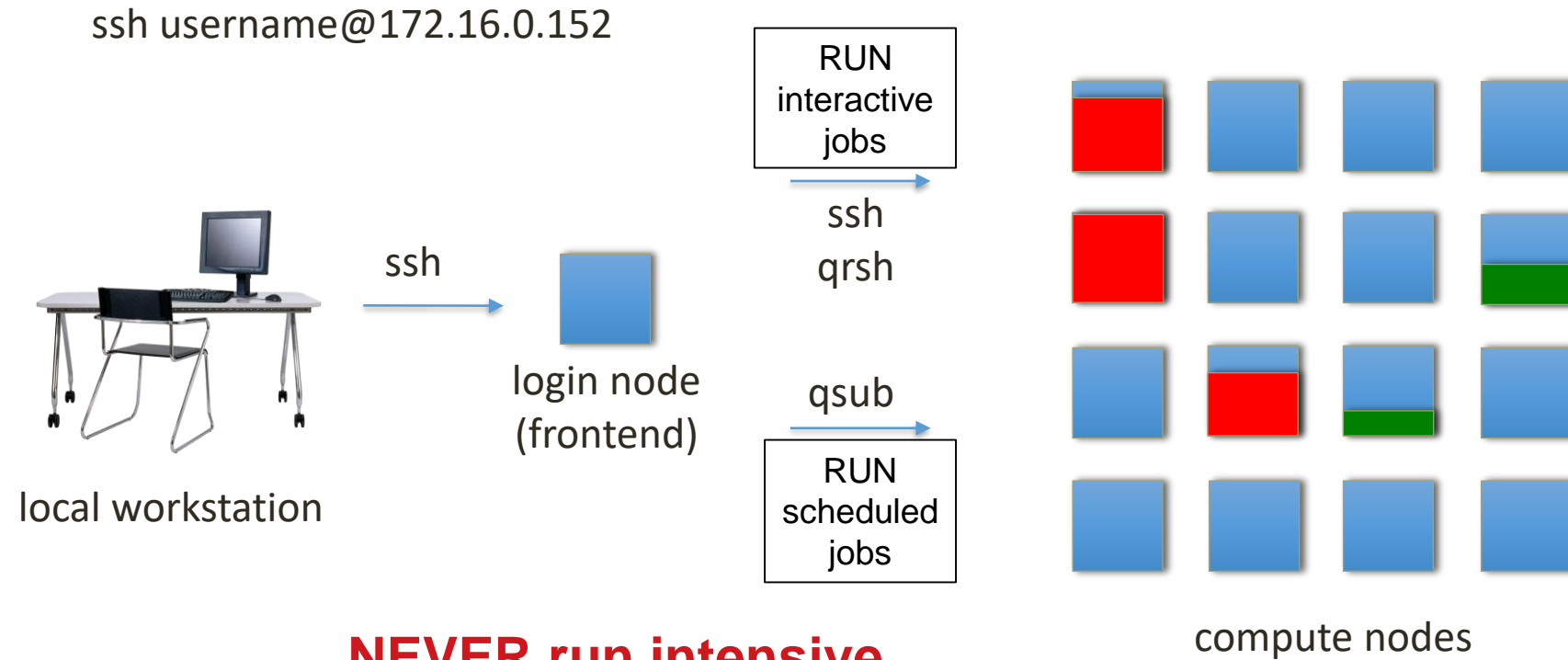
Bogotá, 23 de Agosto 2021

Computer cluster

Set connected computers that work together so that, can be viewed as a single system

Computer clusters have each node set to perform different tasks, controlled and scheduled by software

ssh connection to the cluster

ssh username@172.16.0.152

RUN interactive jobs

ssh
qrsh

ssh

login node (frontend)
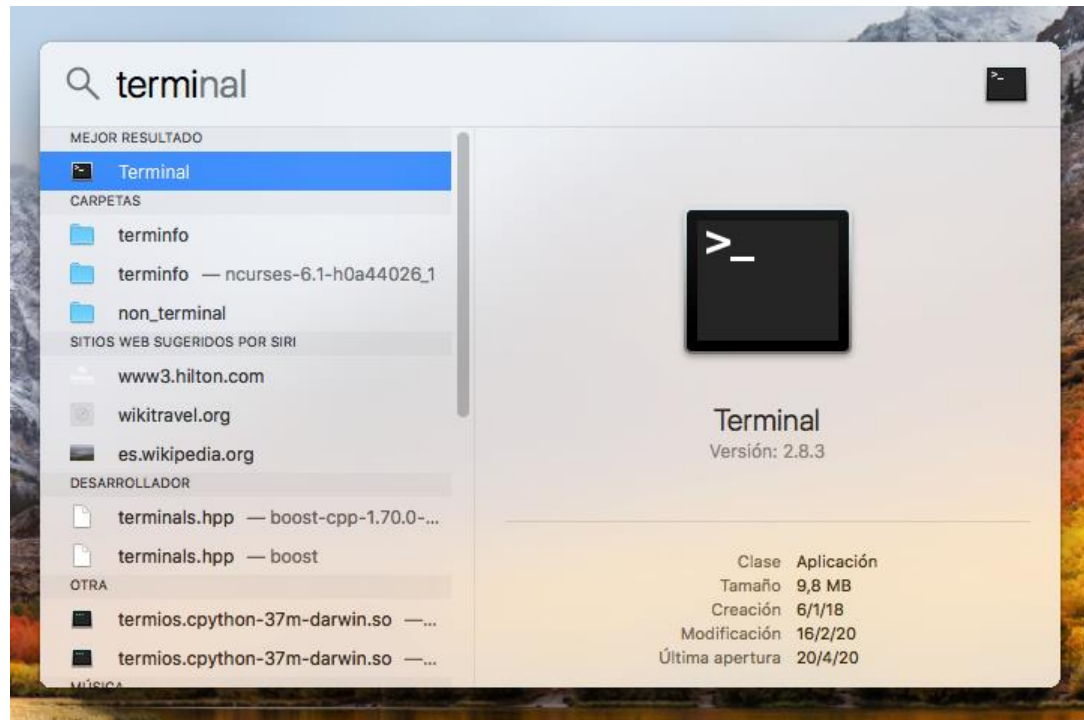
qsub

RUN scheduled jobs

local workstation

NEVER run intensive jobs in the frontend

compute nodes

Secure connection to the cluster

cursobioinf01   172.16.0.152

Username   IP address login node
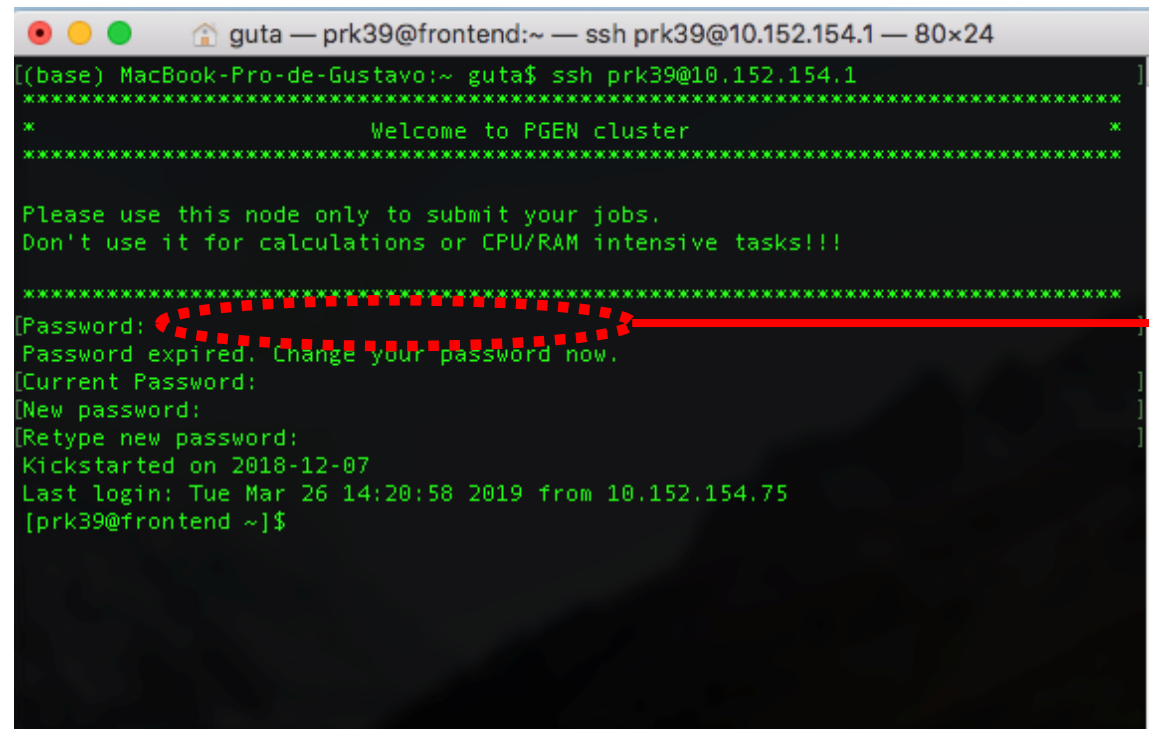
Secure connection to the cluster (Linux - Mac)

Open terminal

Secure connection to the cluster **(Linux - Mac)**

On the terminal type:

ssh username@172.16.0.152
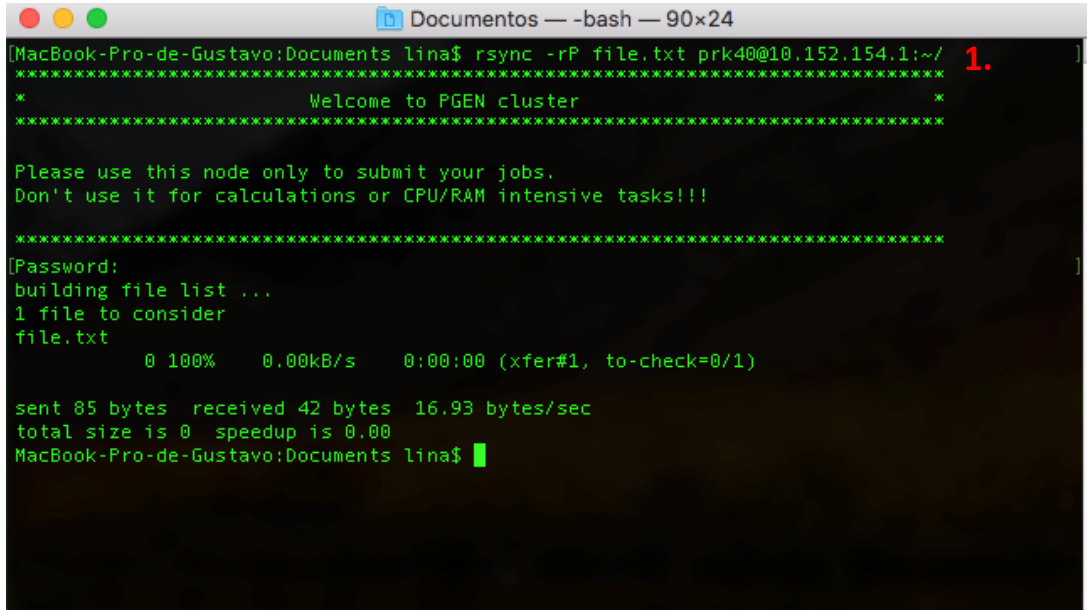
Note that you can't see <u>any</u> <u>character here while typing</u> the password!!!

Transfer files from/into the cluster **(Linux - Mac)**

Use rsync or scp on the local camputer:

- From the local computer to the cluster (home directory)

    rsync -rP **filename.txt** username@172.16.0.152:~/

- From the cluster to the local computer (current directory)

    rsync -rP username@ 172.16.0.152:~/filename.txt .

Secure connection to the cluster **(Windows)**

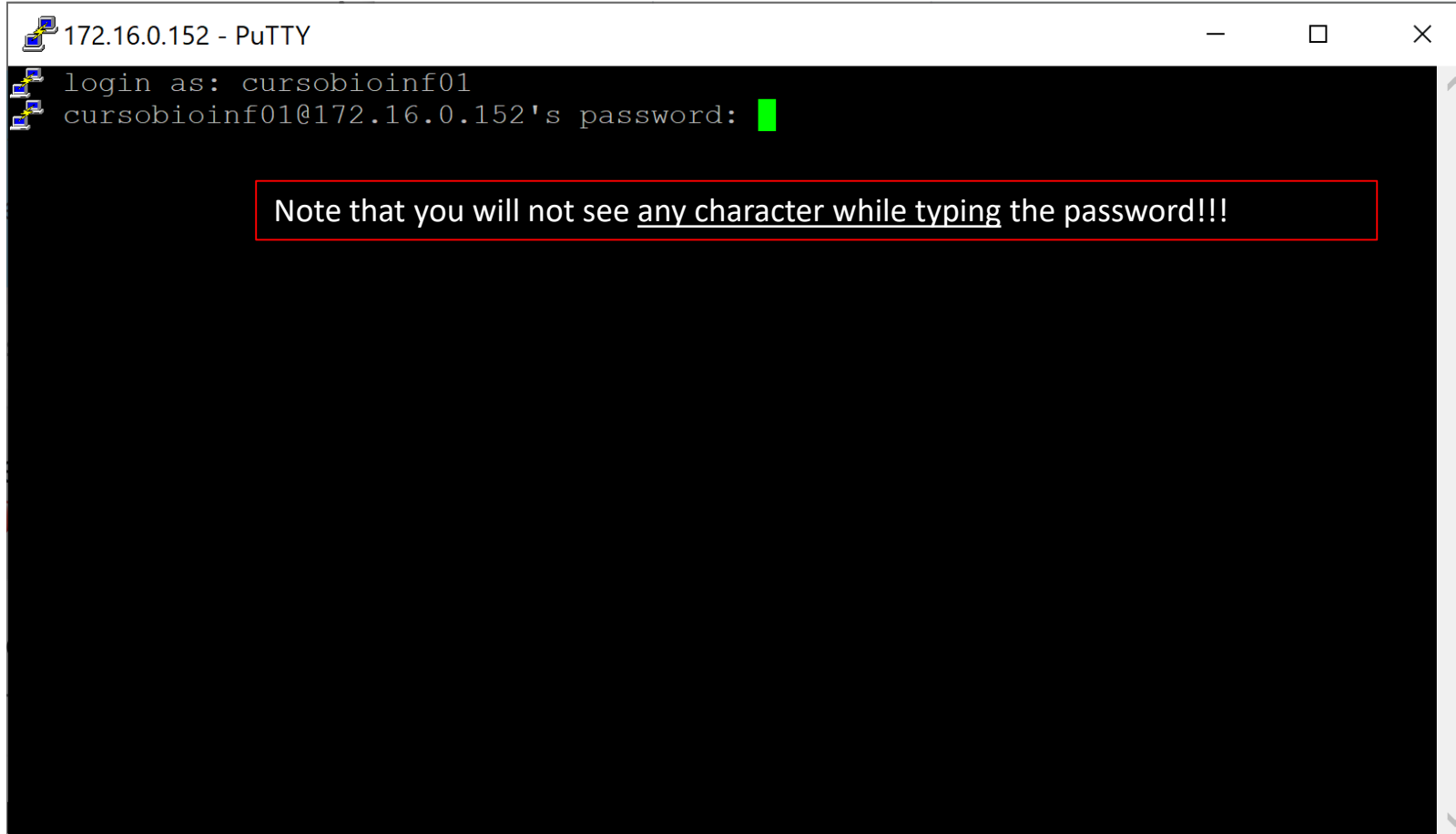Download and install in your computer PuTTY

https://www.putty.org/

Secure connection to the cluster **(Windows)**

172.16.0.152

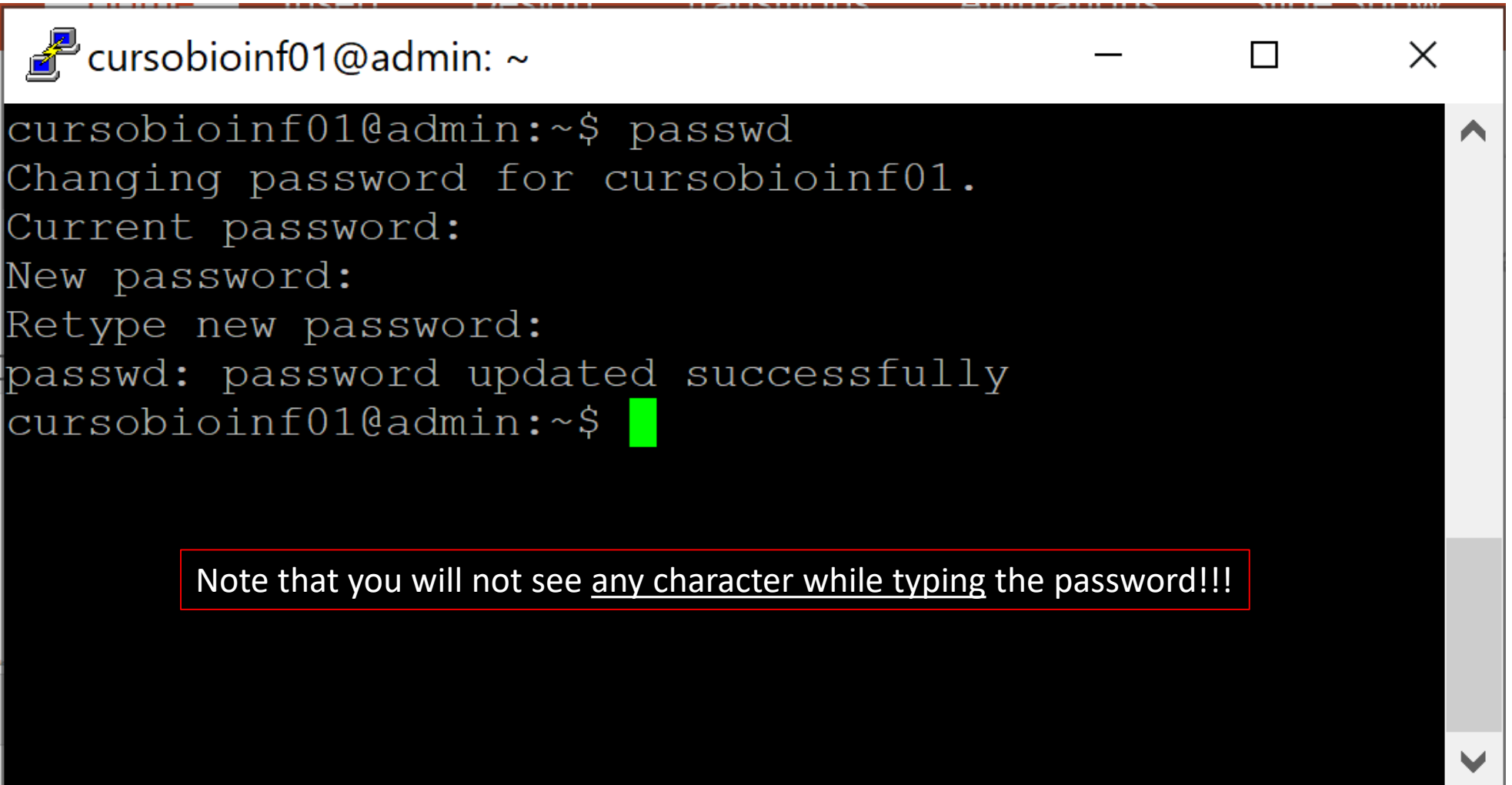# Secure connection to the cluster **(Windows)**

1.

2.

172.16.0.152 - PuTTY

```
login as: cursobioinf01
cursobioinf01@172.16.0.152's password: █
```

Note that you will not see <u>any character while typing</u> the password!!!

Important!!! Change your password

Transfer files from/into the cluster **(Windows)**

Download and install in your computer WinSCP

https://winscp.net/eng/download.php
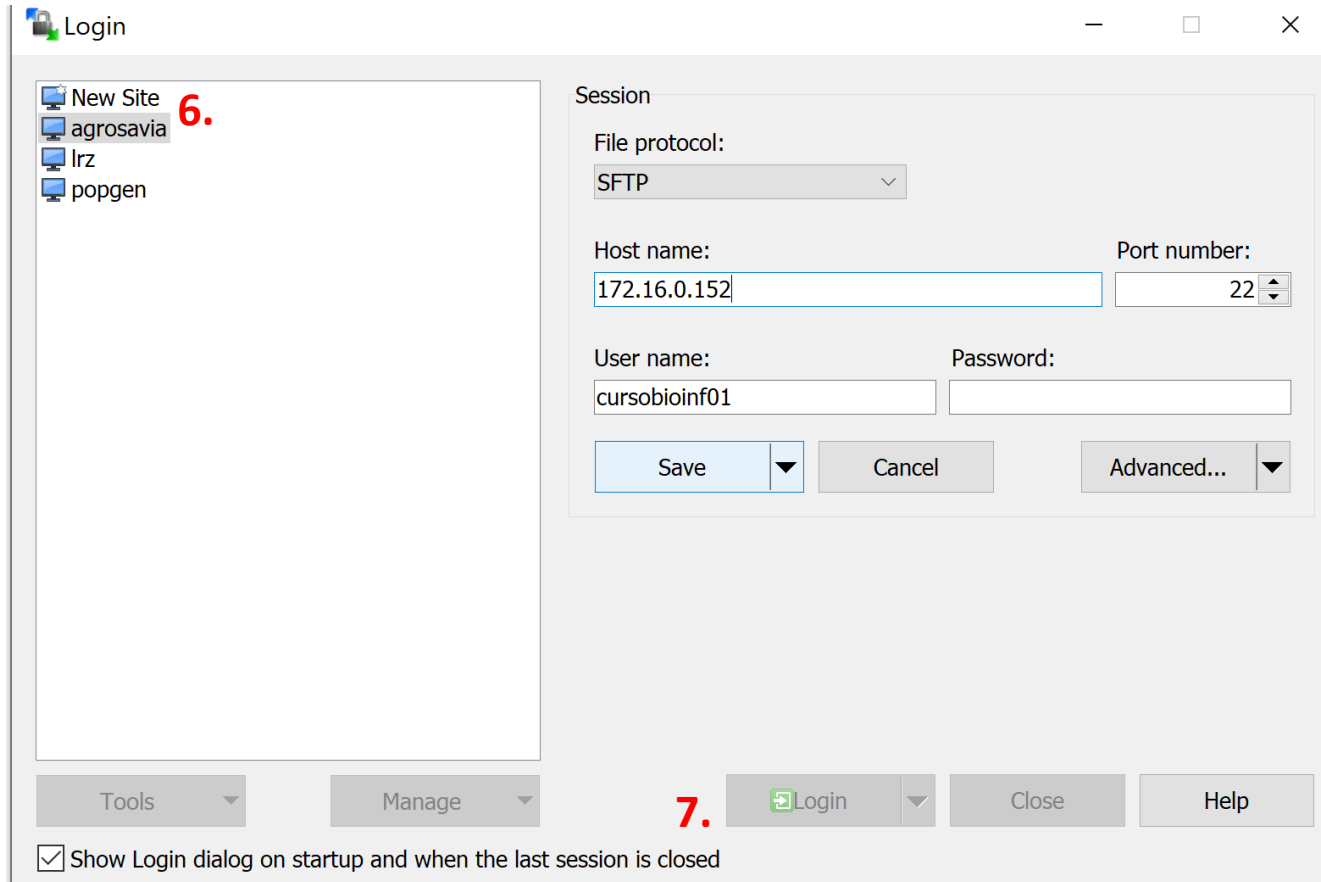
Transfer files from/into the cluster **(Windows)**
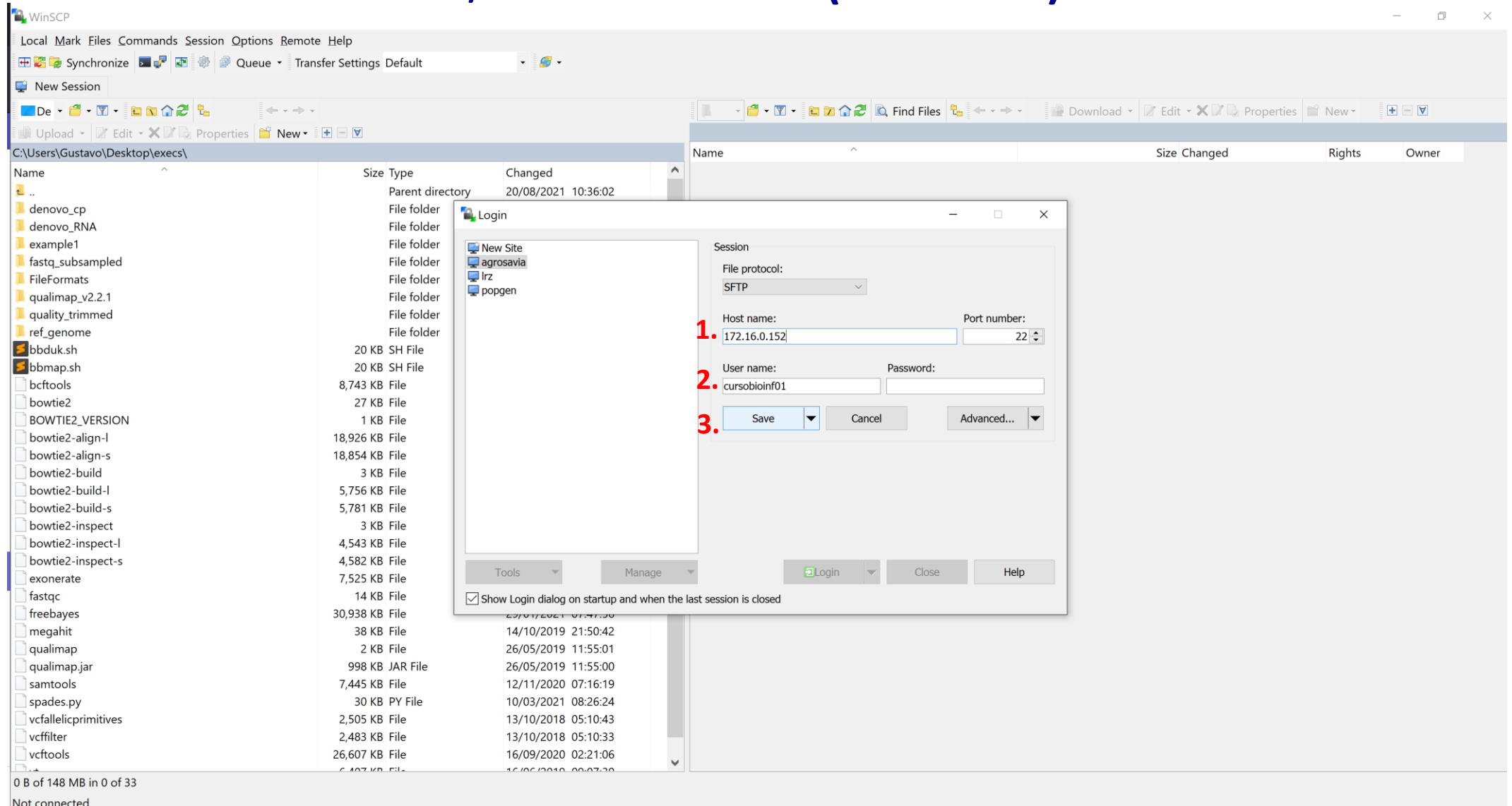
WinSCP

Session 1: Connection to the server **|** Dr. Gustavo Adolfo Silva-Arias

Transfer files from/into the cluster **(Windows)**

WinSCP

Transfer files from/into the cluster **(Windows)**

Transfer files from/into the cluster **(Windows)**

Local panel (your PC)

Remote panel (server)
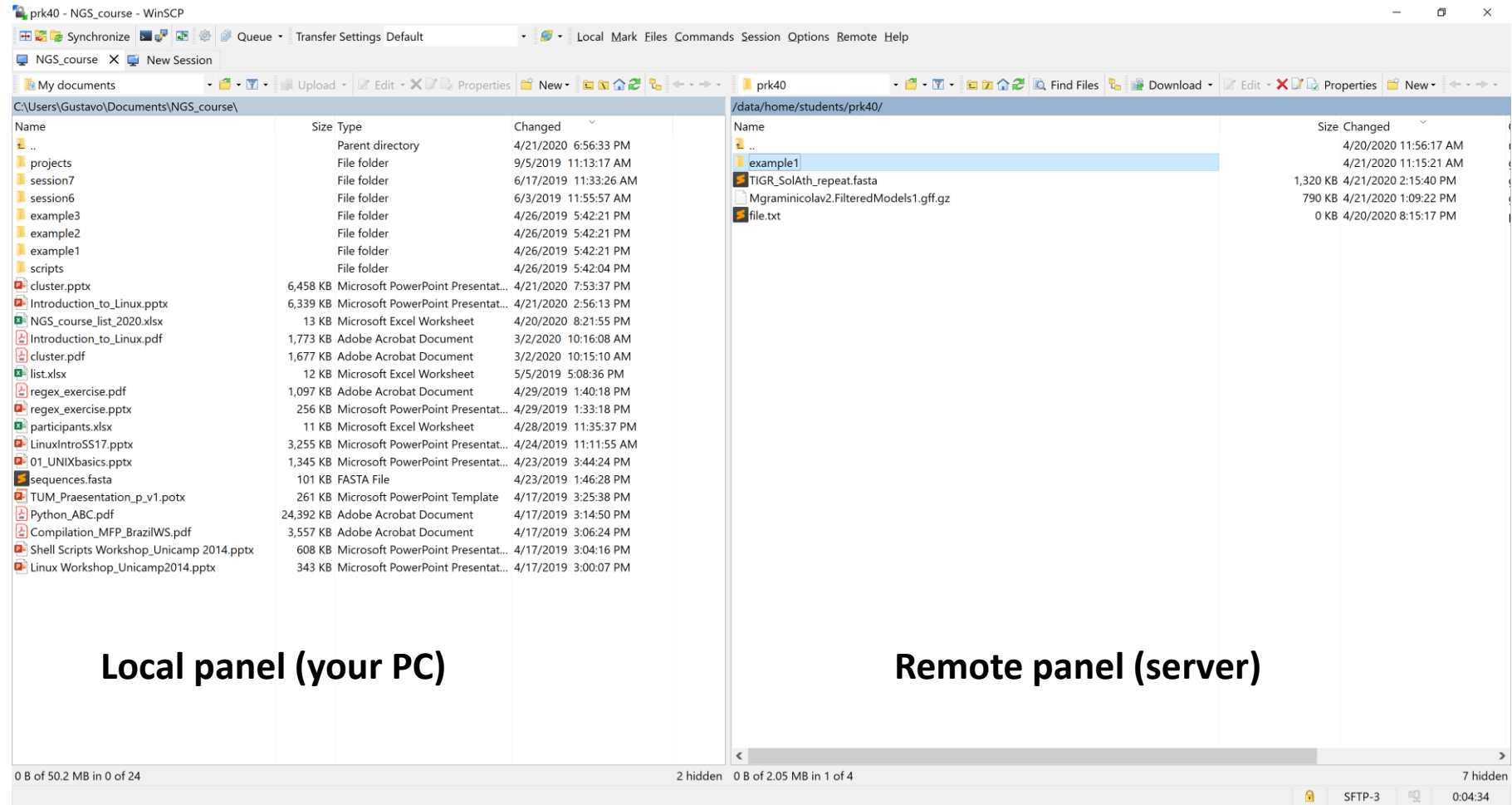
Everything is on the Wiki ☺

https://github.com/gsilvaarias/NGS2021-AGROSAVIA/wiki/00.-Conexi%C3%B3n-al-cluster