CONNECT ERDA AS A NETWORK DRIVE ON WINDOWS

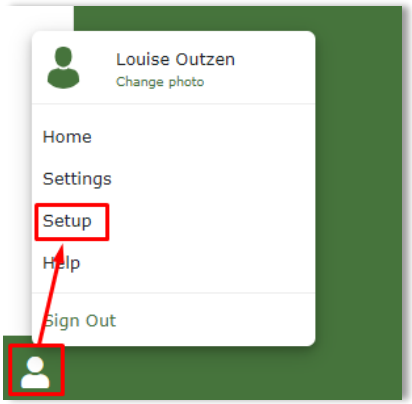
If you are an ERDA user, you can work locally on your computer with your ERDA files by connecting ERDA as a network drive. When you make changes to the files via the network drive, the changes are applied directly to the files in ERDA.

Network drive access uses a secure connection, and the files are available wherever you are, as long as you have internet access. This means that you do *not* need a VPN to work with the files outside UCPH.

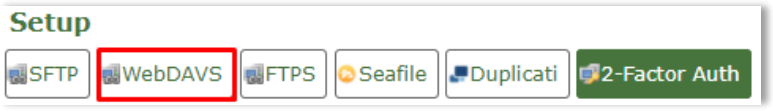
You have two options for connecting ERDA as network drives:

1. WebDAVS	WebDAV is an abbreviation for Web-based Distributed Authoring and Versioning. We add an "S" for secure, as it all runs on a secure connection. ☑ Can be used from Windows, Mac and Linux/UNIX ☑ Easy to get started ☑ Doesn't require software installation ☒ Limit on file size - 50 MB as a starting point ☒ Sensitive to network outages ☒ WebDAVS is less efficient at transferring many and/or large files.
2. SSHFS with SFTP	SSHFS is an abbreviation for Secure Shell File System and is the client that connects an SFTP service as a network drive on your computer. SFTP is an abbreviation for Secure File Transfer Protocol. ☑ Can be used from Windows, Mac and Linux/UNIX ☑ Efficient handling of many/large files ☑ Robust regarding network outages ☑ Unlimited file size ☒ You have to install two small programs – once **We recommend SSHFS with SFTP, particularly for users who feel comfortable with the technology and/or work intensively with their data.**

WebDAVS

SETUP WebDAVS	Click on the green avatar icon in the bottom left corner. Click on "Setup" 

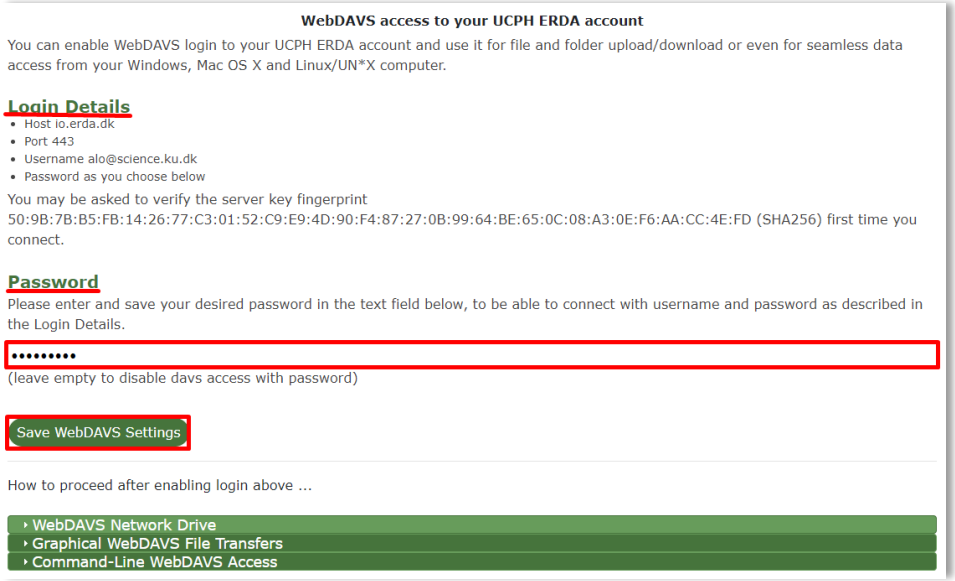
Click on “WebDAVS”



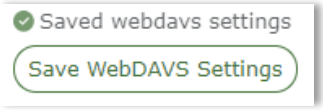
Under “Login Details” in the screenshot below, you’ll see your personal login details, which you’ll need to connect WebDAVS as a network drive on your computer.

Create a new, separate password for your WebDAVS access in the field under “Password”. The password must consist of at least eight characters and must contain a combination of lowercase and uppercase letters, numbers and special characters (at least three of the four types mentioned).

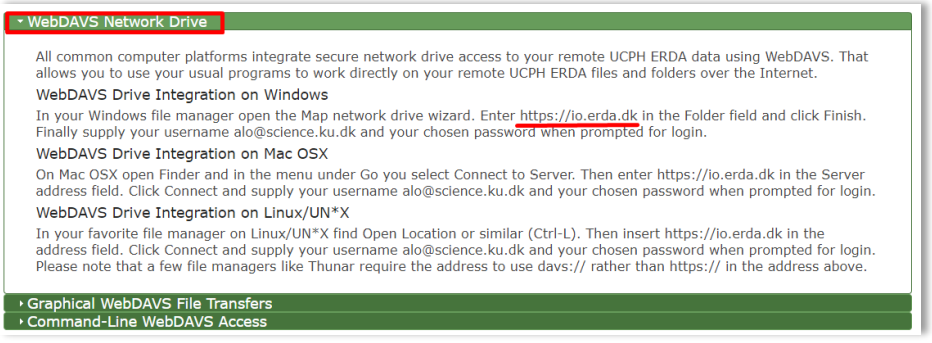
Click “Save WebDAVS Settings”



WebDAVS has now been set up

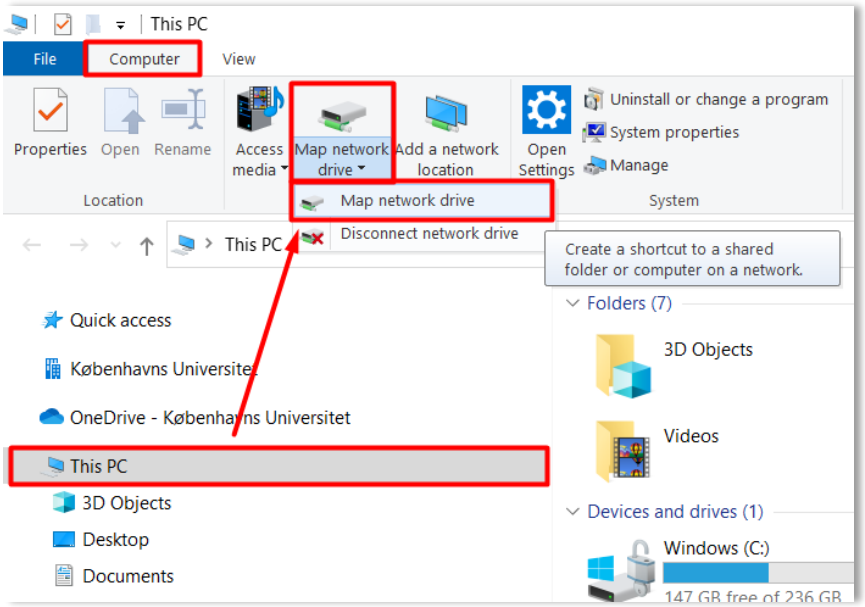


Click the fold-out menu on “WebDAVS Network Drive”. Copy the URL “https://io.erda.dk”. You’ll need to use it shortly.

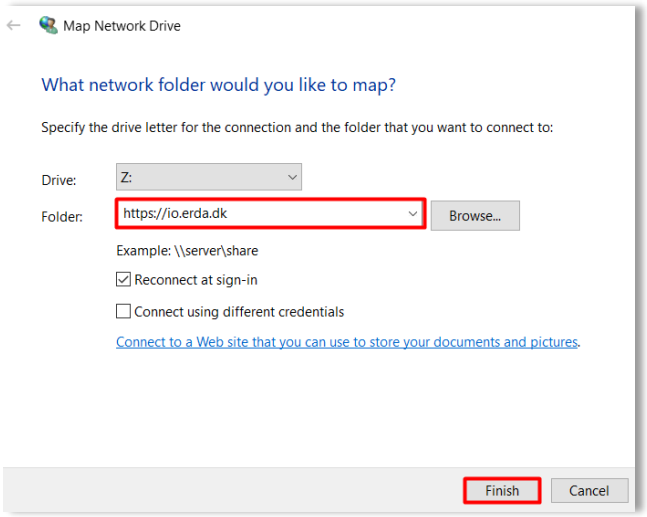


MAP NETWORK DRIVE

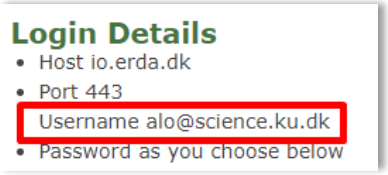
Click on the File Explorer icon on your computer .
Click on “This PC”. Click on the “Computer” tab.
Then click “Map network drive” at the top of the screen



Insert the copied URL in the field next to “Folder”. Click on “Finish”.



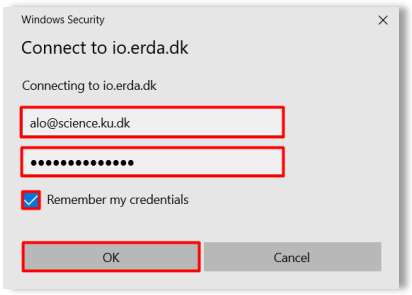
You will now be asked to log in using the username written under “Login Details”. In this specific example, it’s “alo@science.ku.dk”, **but you must use your own.**



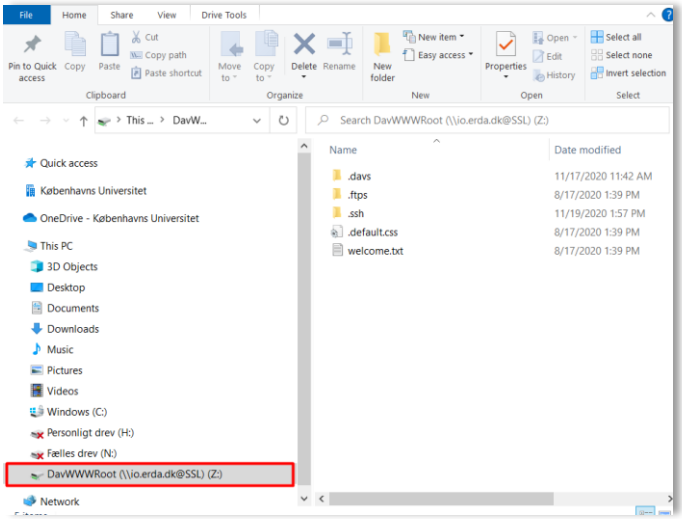
In the login dialogue, shown in the following screenshot, enter your username in the top field, and below it the password you chose for WebDAVS **(in other words, it’s not automatically the same password that you, as a UCPH or external user, use when you log into ERDA’s web pages).**

Tick “Remember my credentials” (only do this if you don’t share your computer with others).

Click “OK”

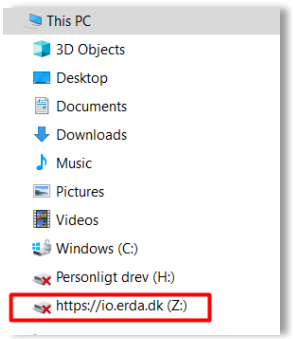


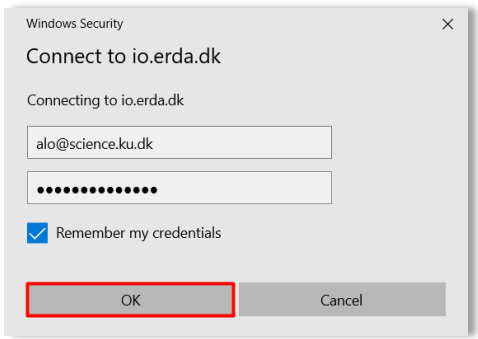
ERDA is connected as a network drive with a chosen drive name (here Z:)

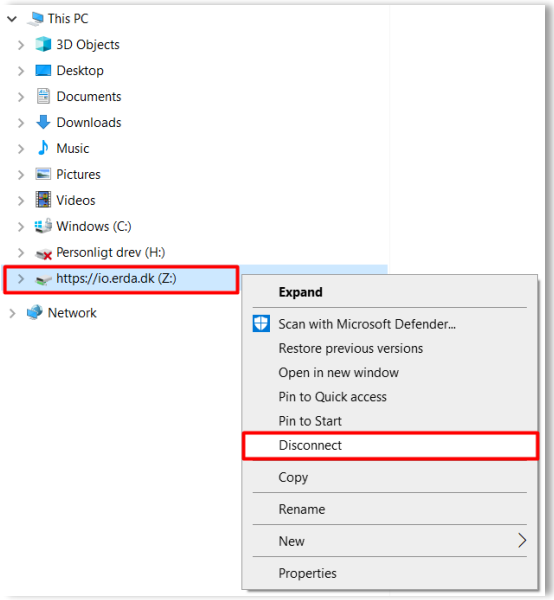
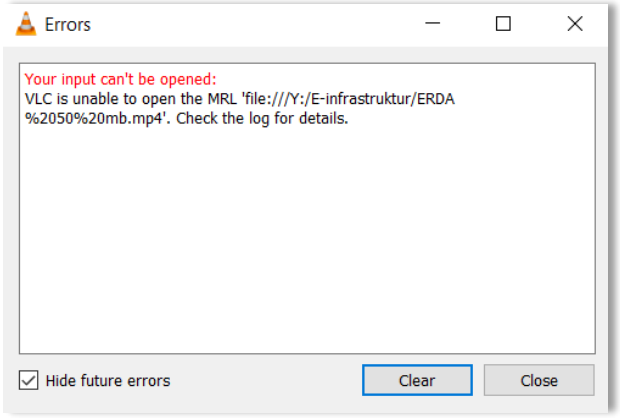


In other words, you have access to all your data in ERDA via your computer’s programs and file management. When you’re online you can work in the files in the same way as with your other local files. When you make changes to the files via the network drive, the changes are applied directly to the files in ERDA.

The next time you log into your computer, you just need to click on the network drive and click “OK” in the popup “Connect to io.erda.dk”. That is, if you have previously ticked “Remember my credentials”. If not, you need to enter your username and your own chosen password for your WebDAVS access.



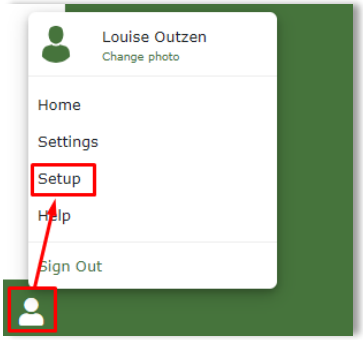


DISCONNECT NETWORK DRIVE	You can disconnect ERDA as a network drive. We recommend this if you share a computer with others. Right-click on the drive (here Z:). Click on “Disconnect”. 
FILE SIZE LIMIT OF 50 MB	Microsoft has set a low limit on the size of the files you can download and upload from WebDAVS locations. The limit is around 50 MB. This means that you will receive an error message if you open a file from the network drive that is 50 MB or more. The error message may for example look like this:  There is a way to raise this limit. It’s described in the User Guide on https://erda.ku.dk/ which is a more comprehensive guide to using ERDA.

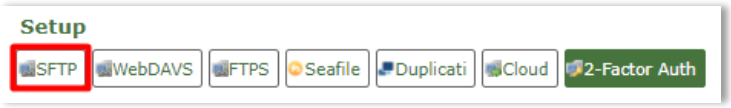
SSHFS WITH SFTP

SET UP SSHFS WITH SFTP

Click on the green avatar icon in the bottom left corner. Click on “Setup”

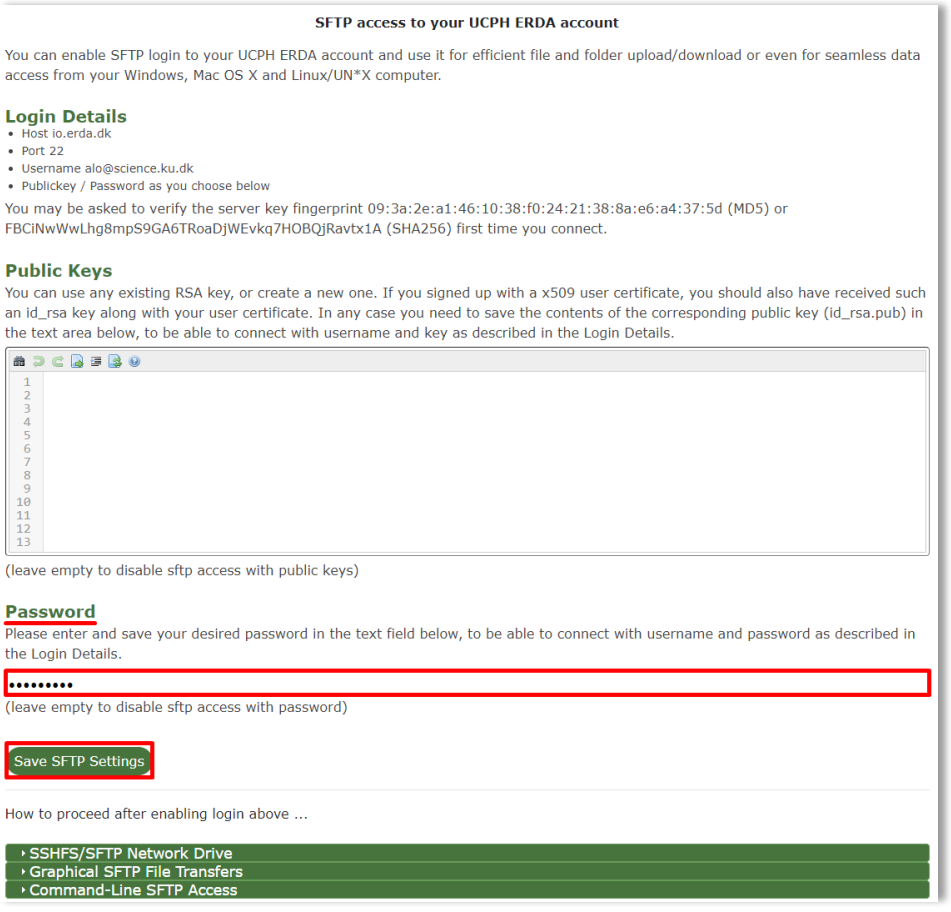


Click on “SFTP”



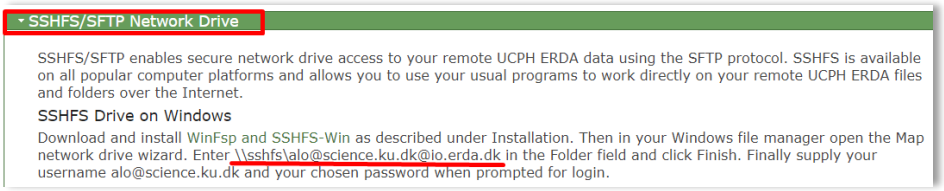
Create a new, separate password for your SFTP access in the field under “Password”. The password must consist of at least eight characters and must contain a combination of lowercase and uppercase letters, numbers and special characters (at least three of the four types mentioned).

Click on “Save SFTP Settings”



SFTP is now configured.

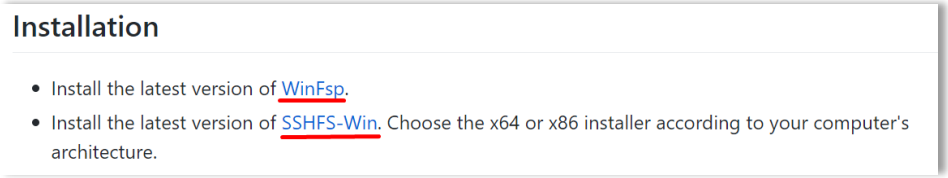
Click on the fold-out menu on “SSHFS/SFTP Network Drive”. Copy the whole path starting with “\\sshfs\.....”. You will need it later.



INSTALL TWO PACKAGES

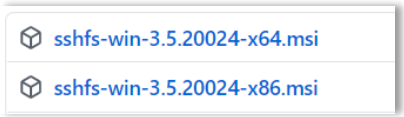
SSHFS is a client that connects an SFTP service as a network drive on your computer.

You can install SSHFS by downloading and running two programs: WinFsp and SSHFS-Win. It is important that you install both programs. You can find the programs here: **SSHFS-Win on GitHub**

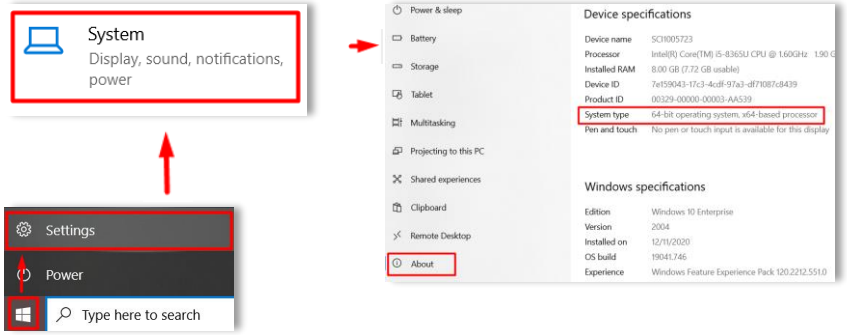


Install both programs:
1) Click on “WinFsp” and follow the installation guide.

2) Click on “SSHFS-Win” and follow the installation guide.
During the installation, you need to decide whether you want to download x64 (64-bit) or x86 (32-bit). This depends on your computer’s operating system.



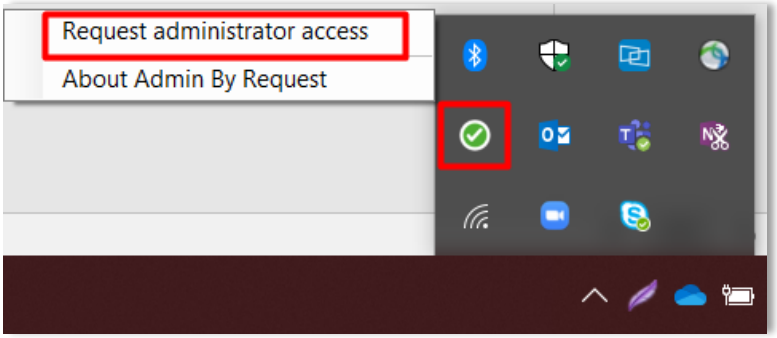
You can find information about your computer’s operating system under: Start – Settings – System – About



When you’ve installed both programs, you can connect a network drive.

TIPS FOR INSTALLATION

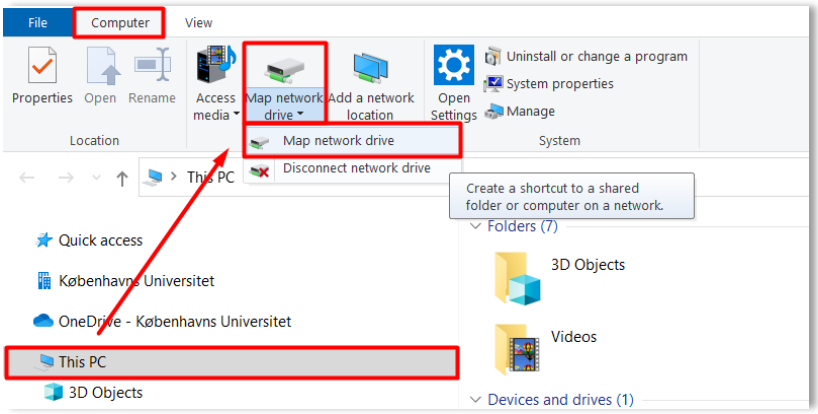
On a standard UCPH computer (B machine), you have access to installing programs by clicking “Request administrator access” in the bottom right corner.



If you have a special, secure UCPH computer (A machine), you need to contact UCPH IT to install the two programs.

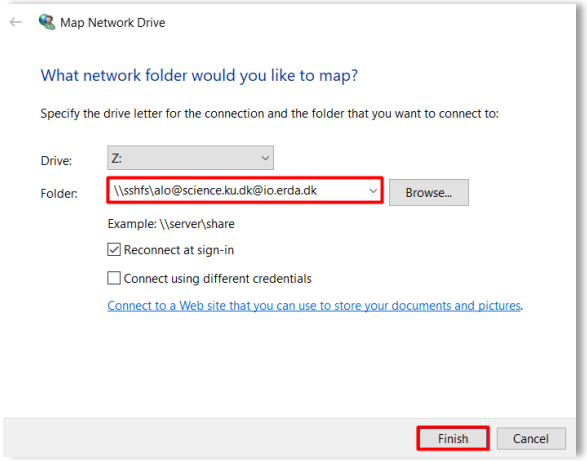
MAP NETWORK DRIVE

Click on the File Explorer icon on your computer .
Click on “This PC”. Click on the “Computer” tab.
Click on “Map network drive” at the top of the screen.

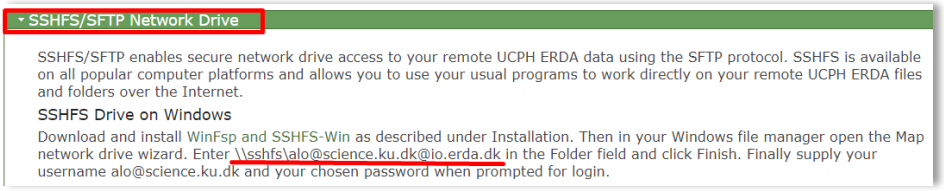


Next to “Folder”, paste the path you copied earlier. In this specific example, it’s ”\\sshfs\alo@science.ku.dk@io.erda.dk”, **but you must write your own path**.

Click on “Finish”.



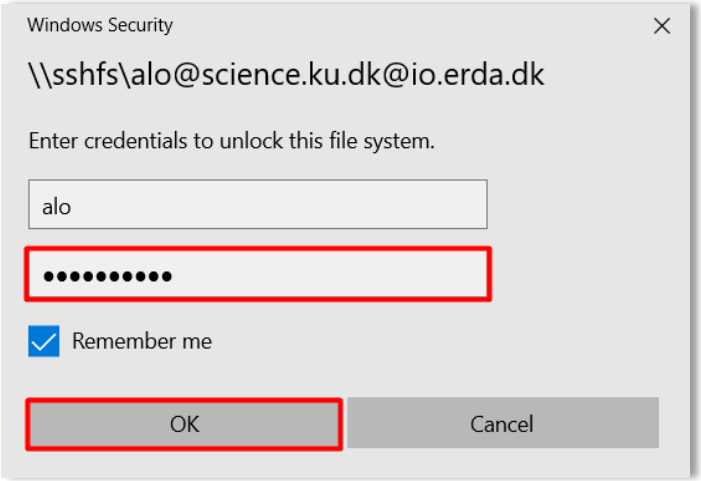
If you’ve lost your copied path, you can find it under ”SSHFS/SFTP Network Drive”.



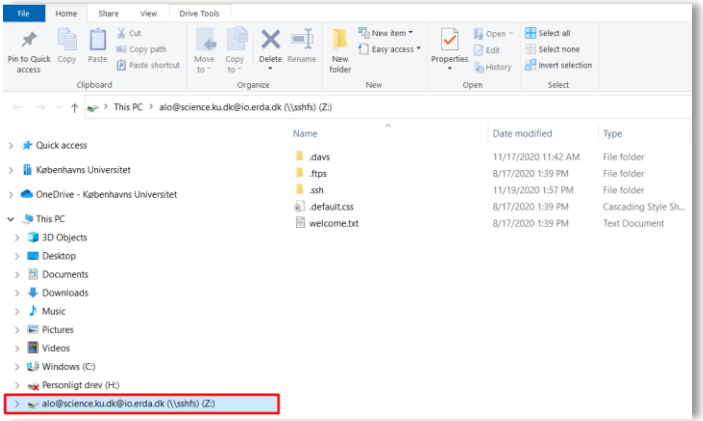
In the bottom field of the login dialogue, shown in the following screenshot, enter the password you chose for your SFTP access **(in other words, it's not automatically the same password that you, as a UCPH or external user, use when you log into ERDA's web pages).**

Tick "Remember me" (only do this if you don't share your computer with others).

Click "OK"



ERDA is connected as a network drive with a chosen drive name (here Z:).



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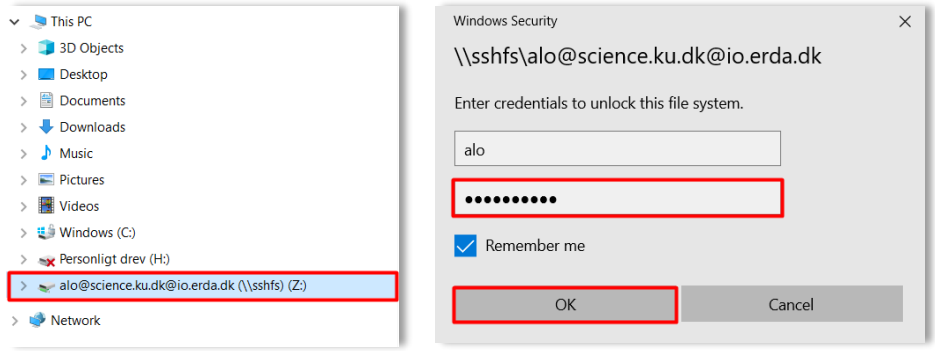
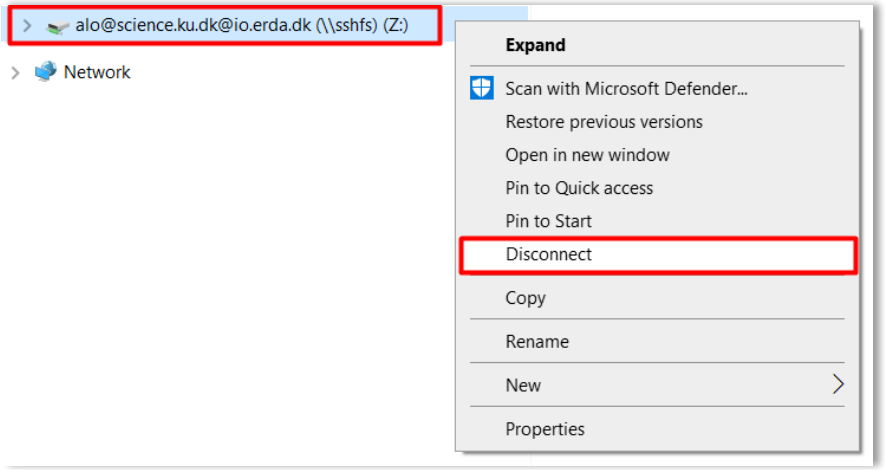
	ticked “Remember me”. If not, you need to enter your previosly chosen password for your SFTP access. 
DISCONNECT NETWORK DRIVE	You can disconnect ERDA as a network drive. We recommend this if you share a computer with others. Right-click on the drive (here Z:). Click on “Disconnect”. 
HELP	See more at https://erda.ku.dk/ or for personal help, email support@erda.dk