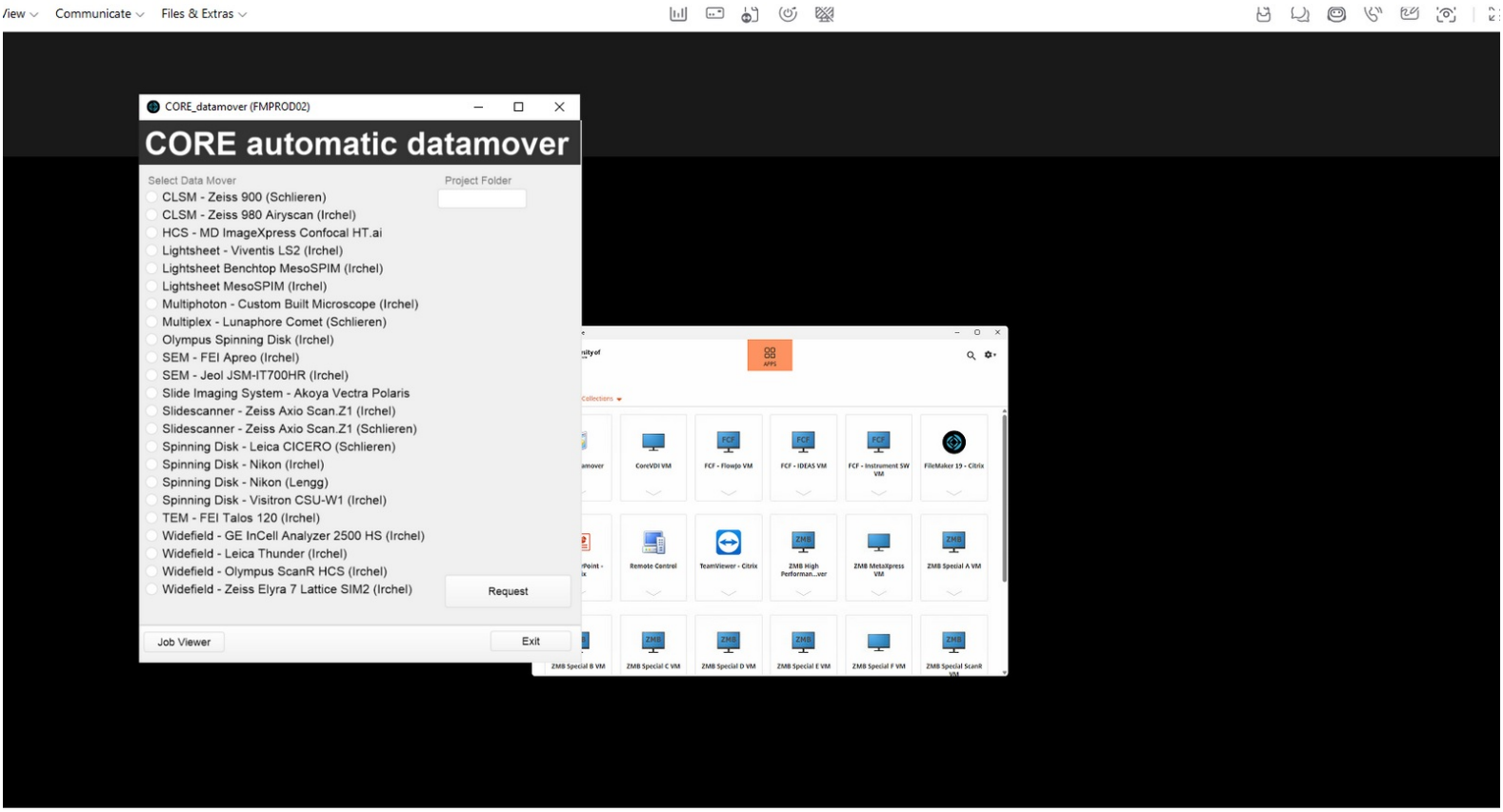
DataMover on Nikon Spinning Disk

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INTRODUCTION

How to proceed during experiment:

1. Check that there is approximately enough storage on the SSD Drive for your experiment.
    1. If not, please let us know and we will discuss how to proceed further.
2. Create a folder with your core credentials (e.g. e.macickova) in SSDdrive>automatic_transfer>files
3. In the NIS-Elements define the saving filepath, to the folder which you created in previous step (that will differ for ND acquisition and JOB acquisition)
4. Run the experiment
5. After finishing, trigger the transfer via DataMover.
    1. This can be done also from your own computer.
    2. For this step, it is important that the PC is running at all times and never switched off. (see Microscope shut-down guide)

When to save on the local storage?

- Live cell imaging experiments > 10 minutes
- Automatized JOB experiments (well plate imaging, 4-slidehodlder imaging high-throughput imaging)

Why to save on a local storage?

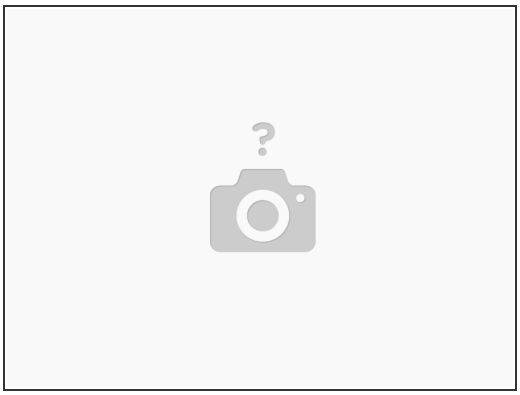
Standard ND acquisition saves the dataset as a one large file. When the acquisition runs over several tens of minutes to hours, the SW keeps the file open in a memory and always appends a new image. The network is less predictable than saving on a local storage (network interruptions, server response time, etc.). This could also result in the acquisition errors or failure.

What is further recommended:

For long-term live cell acquisition with multiple positions (typically well-plate), to acquire data via JOBs, which allows you to save the time-points individually. This improves acquisition stability and precision of timing, especially for very large datasets.

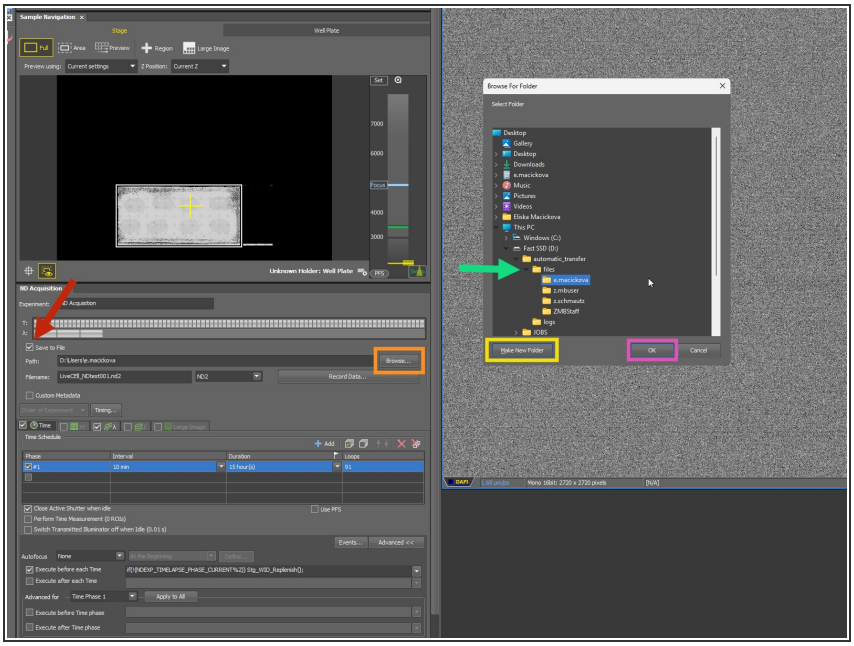
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Step 1 — Check the storage on the SSD



- Open This PC, and estimate that there is enough storage for your experiment.

Step 2 — Define storage location

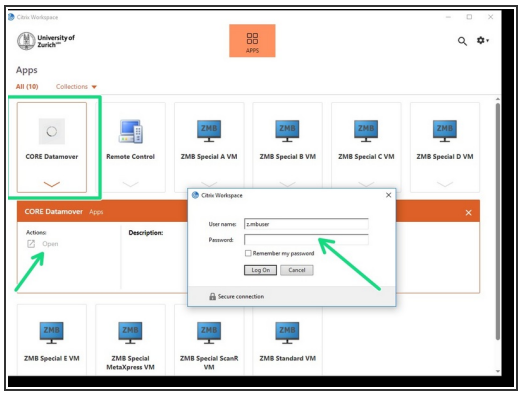


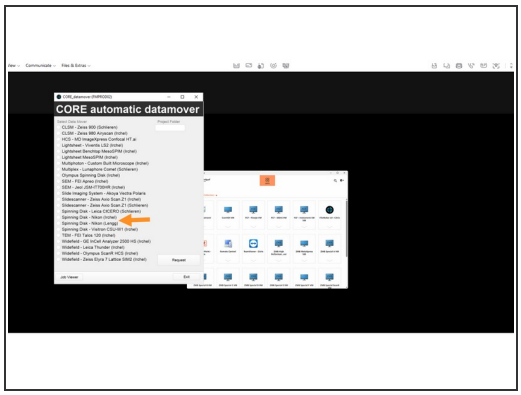
- Save to files
- Browse
- Make a new folder in the *Fast SSD>automatic_transfer>files* with the CORE credentials (e.g. e.macickova)
- Confirm

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Step 3 — After the experiment







⚠ **This step can be done only after experiment is finished and can be done also from your own PC!**

- Open Citrix
- Login with CORE and open DataMover
- Request Data either from Nikon Lengg or Nikon Irchel

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