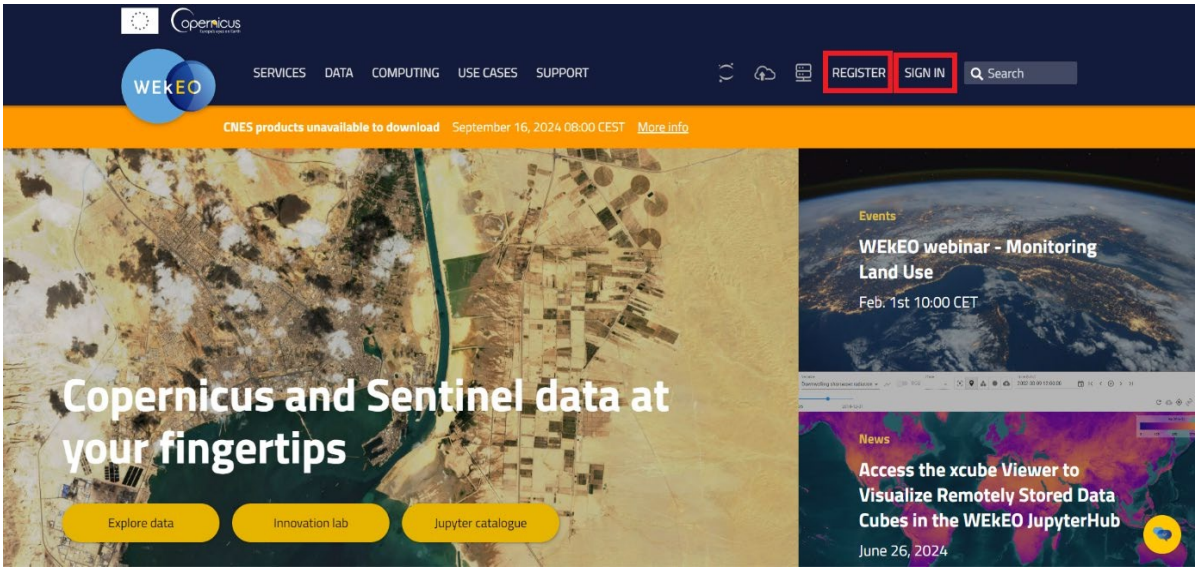
Guidance for Jupyter notebooks in WEkEO, Colab and LTPY

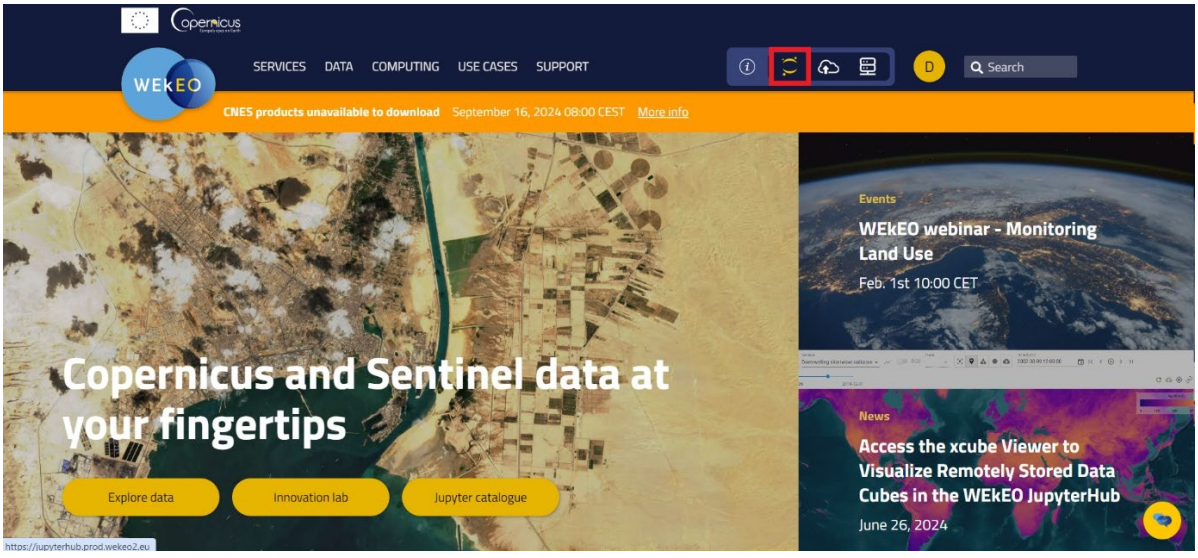
WEkEO

1. Go to https://www.wekeo.eu/

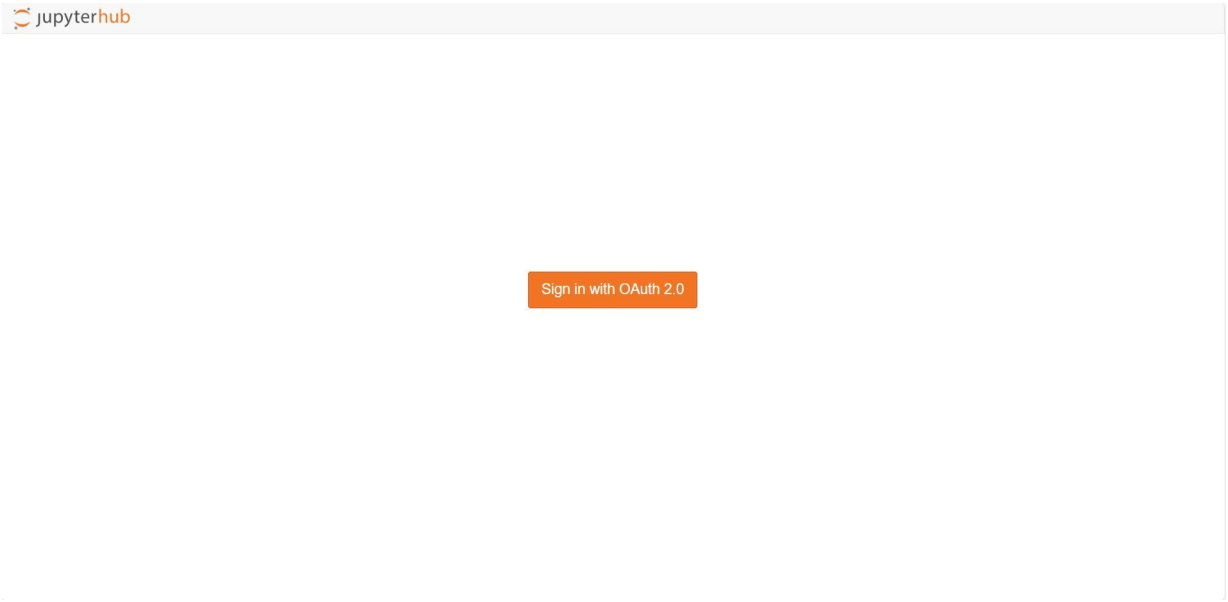
2. Click on 'SIGN IN' if you registered already before. Put in your credentials. If not, click on 'REGISTER' and proceed to register.



3. Click on a Jupyter Hub icon, the first on the right from 'SUPPORT':

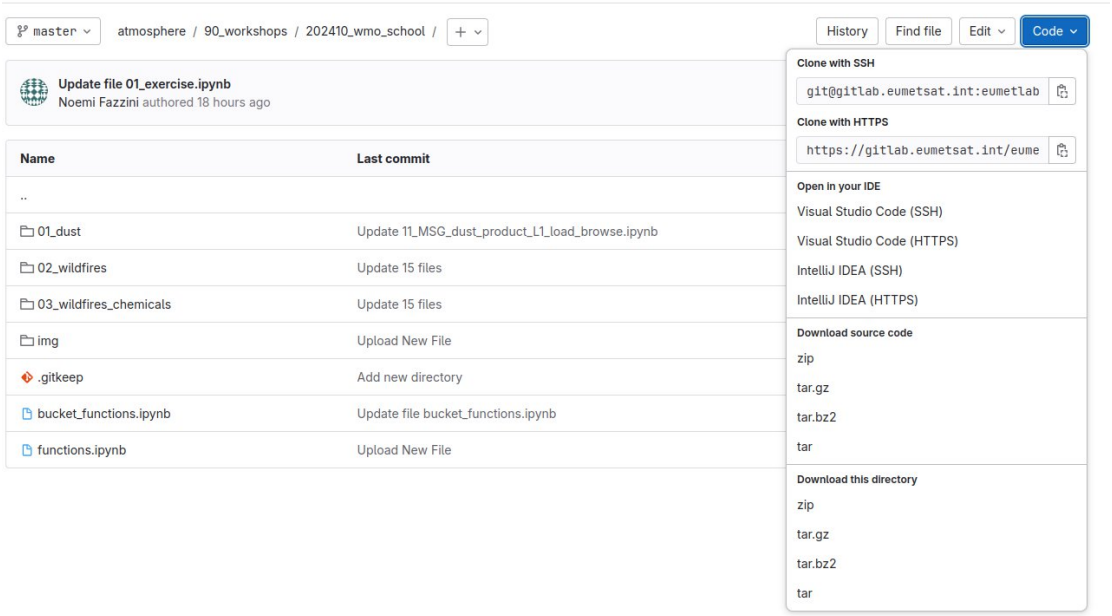


4. Sometimes, there will be a 2-factor authentication. Click on ‘Sign in with OAuth 2.0’, put in a code sent on your email.

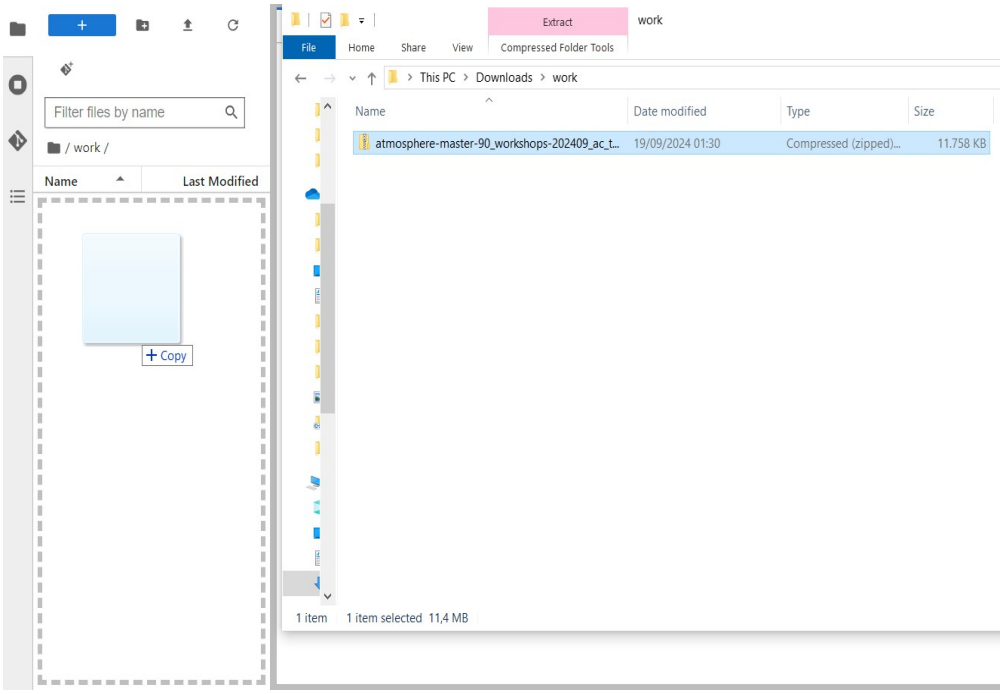


5. Choose a server: Earth Observation Tools.

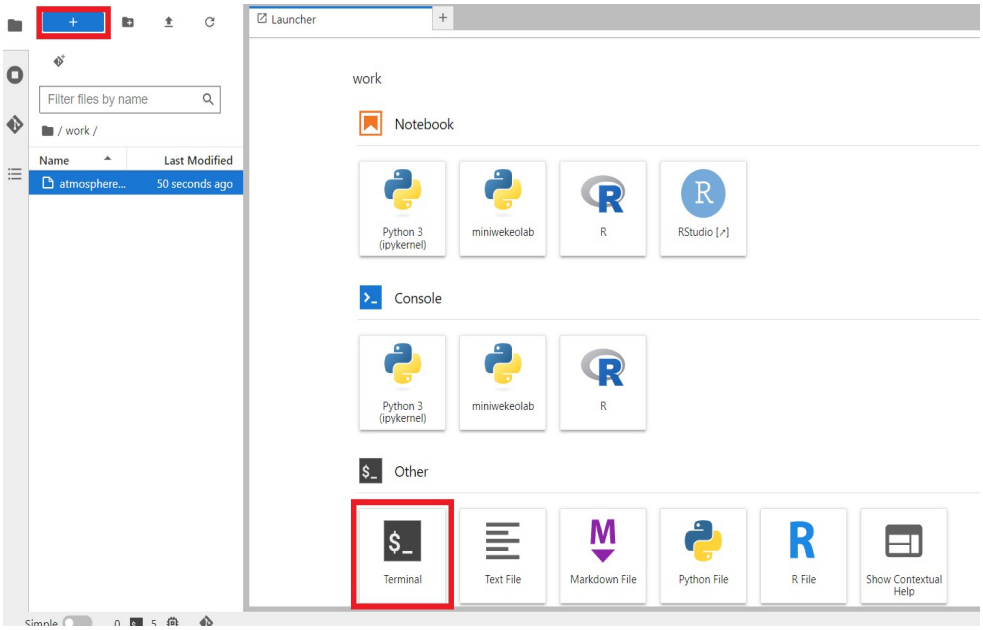
6. Get the notebook into your working directory. You can do this in two ways:
    a. Alternative one – drag and drop zip file
        - Go to the Gitlab to the desired directory.
        - Download the directory by clicking on the blue “Code” and then “Download this directory: zip”.



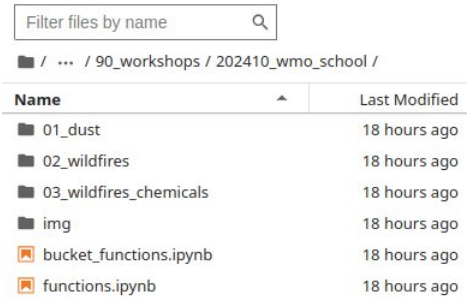
- Drag and drop the zip file into your WEkEO working space



- If the Launcher tab is not open, click on the blue "+" button. Open the Terminal by clicking on its icon in the Launcher.

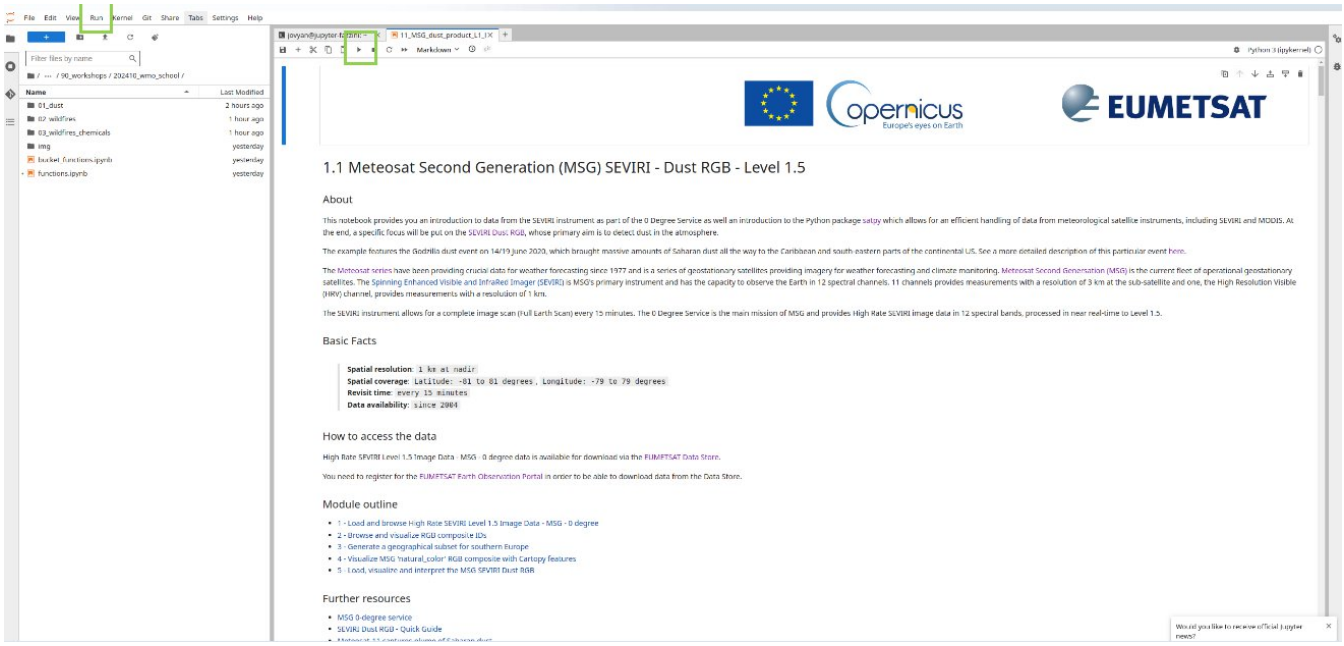


- In the terminal, type: unzip <name-of-downloaded-directory>.zip
- Navigate the folder in the menu on the left and open the desired notebook by a double-click.



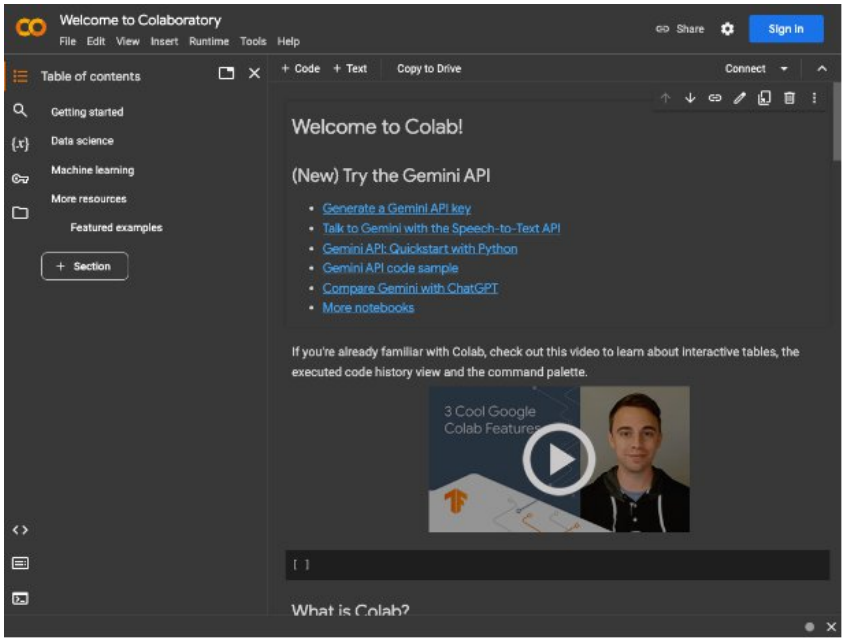
b. Alternative two – git clone directory
   - Go to the Gitlab to the desired directory.
   - Click on the blue “Code” and then copy the line under “Clone with HTTPS”
   - If the Launcher tab is not open, click on the blue “+” button. Open the Terminal by clicking on its icon in the Launcher.
   - In the terminal, type: git clone <copied link>
   - Navigate the folder in the menu on the left and open the desired notebook by a double-click.

7. Run cell by cell or click on Run>Run All Cells

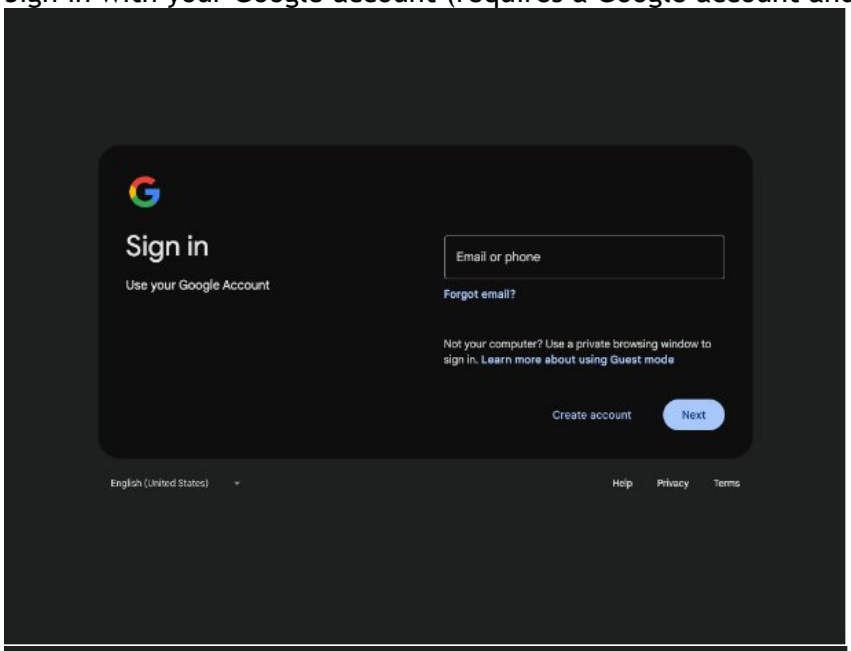


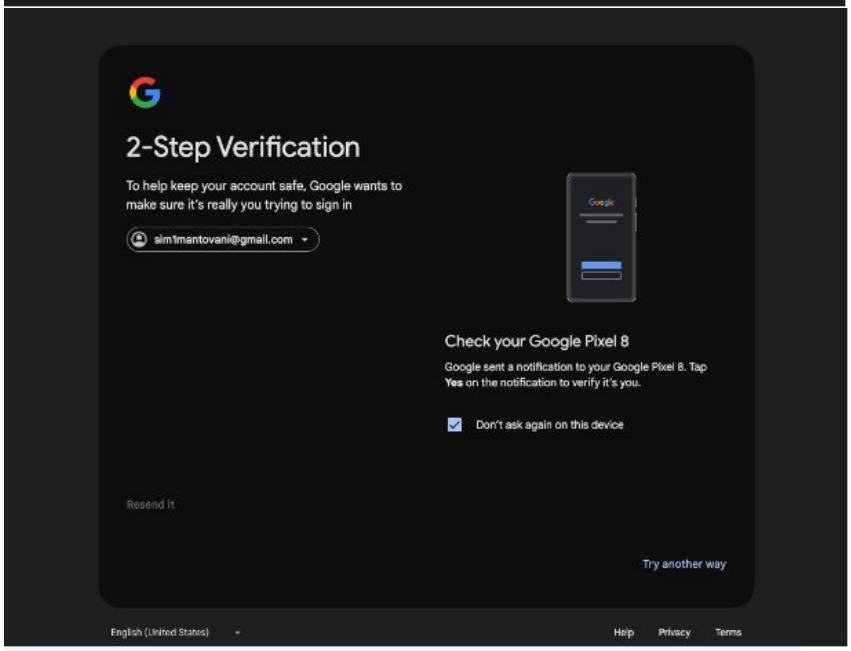
Google Colab

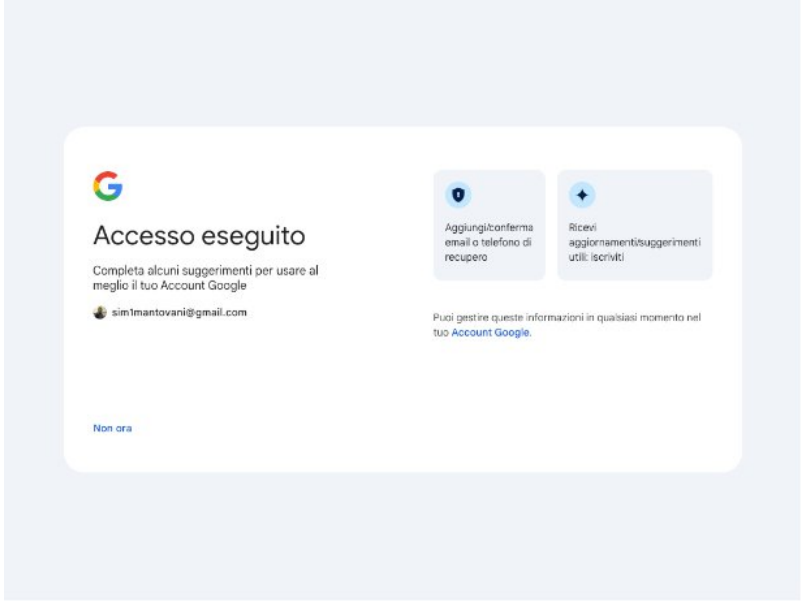
1. Unzip the previously downloaded zip file locally
2. In the unzipped content go to atmospheric-composition-colab-90_workshops-202409_ac_training/90_workshops/202410_wmo_school/
3. Connect to Colab



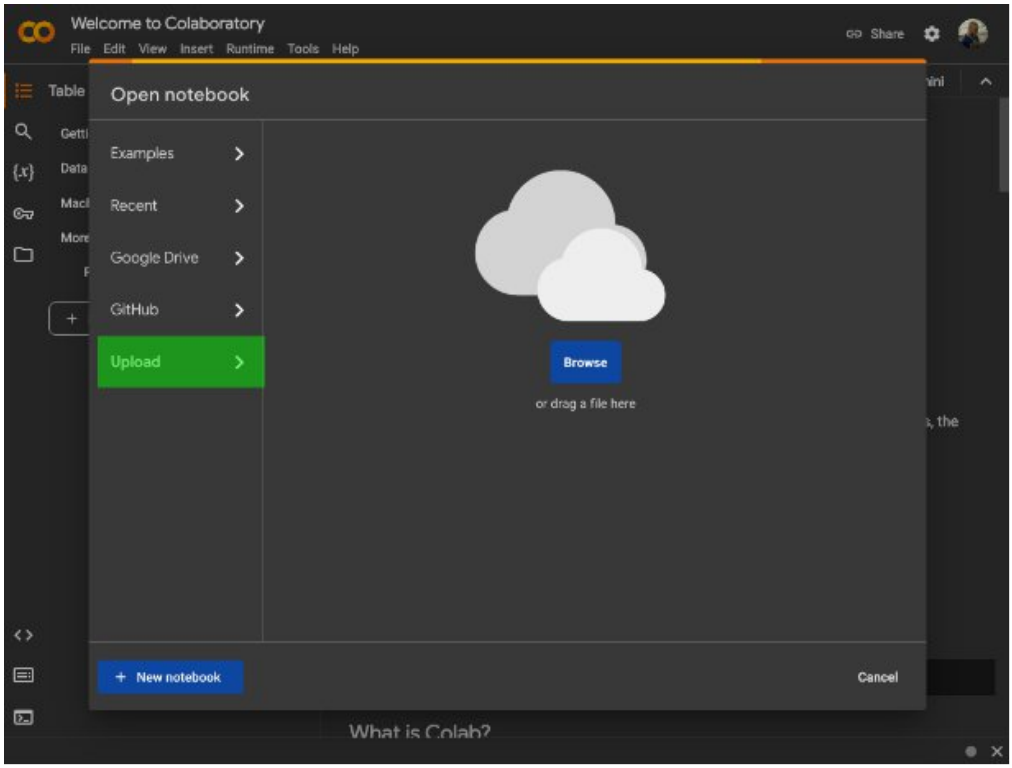
4. Sign in with your Google account (requires a Google account and 2-step verification)



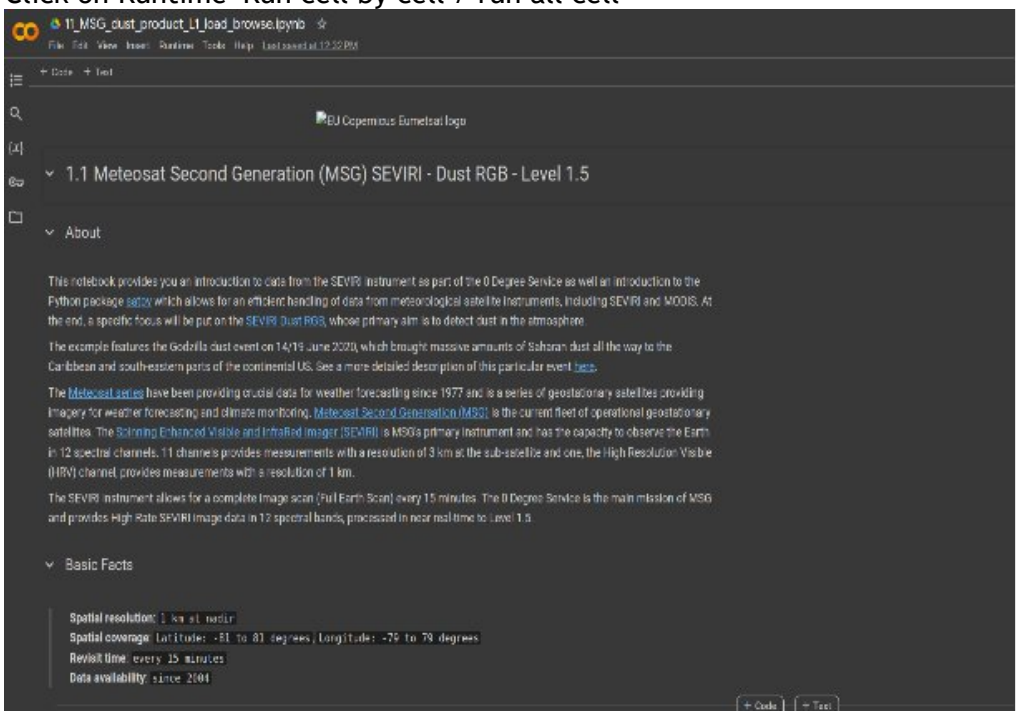




5. Upload the desired notebook by clicking on File>Upload notebook



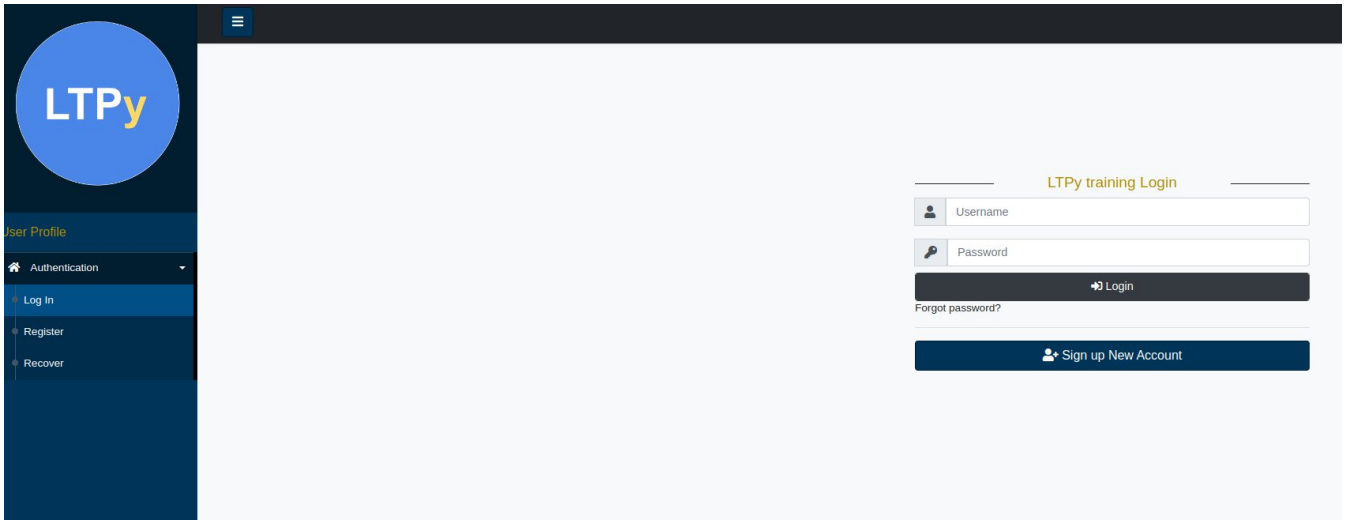
6. Click on Runtime>Run cell by cell / run all cell



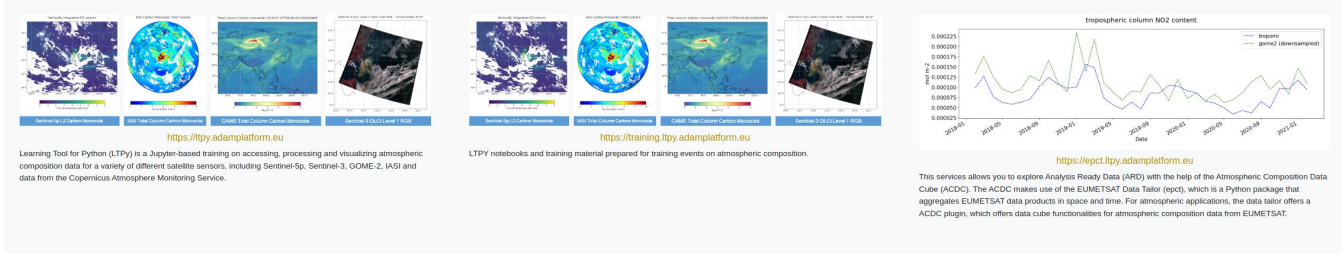
7. Repeat from step 5 for all the desired notebooks

LTPY

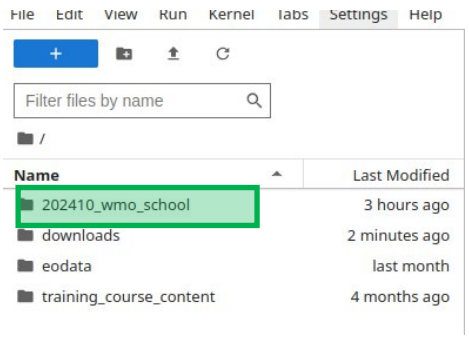
1. Go to https://login.ltpy.adamplatform.eu/
2. Click on ‘LOG IN’ if you registered already before. Put in your credentials. If not, click on ‘REGISTER’ and proceed to register.



3. Once you are logged in you will see a Dashboard, click on the second entry, so to go to https://training.ltpy.adamplatform.eu/



4. You will be redirected to a Jupyter environment
5. You will find the material in the “*202410_wmo_school*” folder
6. Run each cell separately or click on Run>Run All Cells



7. If in the first cell you get the error below, click on Kernel>Restart Kernel and re-run the notebook