

Notebook instructions

Boštjan Muri, Ahac Pazlar, ARSO, Slovenija

2026-05-27

Contents

| | |
|---|----------|
| Introduction: Jupyter Notebook Setup Instructions | 2 |
| Option 1: Using Google Colab | 2 |
| Requirements | 2 |
| Step 1: Create a working folder in Google Drive | 2 |
| Step 2: Add shared folder shortcut | 2 |
| Step 3: Open Google Colab | 3 |
| Step 4: Mount Google Drive from Colab | 3 |
| Step 5: Open the notebook | 3 |
| Step 6: Run the notebook | 4 |
| Option 2: Local Setup Using Conda | 4 |
| Requirements | 4 |
| Step 1: Create project folder | 4 |
| Step 2: Create Conda environment | 4 |
| Step 3: Activate environment | 4 |
| Step 4: Download data | 5 |
| Step 5: Run JupyterLab | 5 |
| How to access data from LSASAF | 5 |

Introduction: Jupyter Notebook Setup Instructions

These instructions explain how to prepare your working environment to run the provided Jupyter Notebook and preprocessed data from a shared Google Drive folder.

You can choose one of the following approaches:

- **Option 1:** Google Colab (basic, recommended for simplicity)
 - **Option 2:** Local setup using Conda (advanced, recommended for full control)
-

Option 1: Using Google Colab

Requirements

- Google account
 - Access to the shared [Google Drive folder](#)
-

Step 1: Create a working folder in Google Drive

1. Open Google Drive
 2. Click:
 New → Folder
 3. Name the folder (e.g., `data`)
-

Step 2: Add shared folder shortcut

1. Open the provided Google Drive link (https://drive.google.com/drive/folders/1v1GT9VWvnMA1G7_C)
 2. Navigate to the shared folder
 3. Right-click on the folder
 4. Select:
 Organize → Add shortcut to Drive
 5. Save the shortcut inside your newly created folder
-

Step 3: Open Google Colab

1. Go to: <https://colab.research.google.com>
 2. Sign in with your Google account
-

Step 4: Mount Google Drive from Colab

- When in Colab find icon for folder, that mounts your google drive to colab.
- If you do not find it you can run first python cell in inotebook:

```
from google.colab import drive
drive.mount('/content/drive')
```

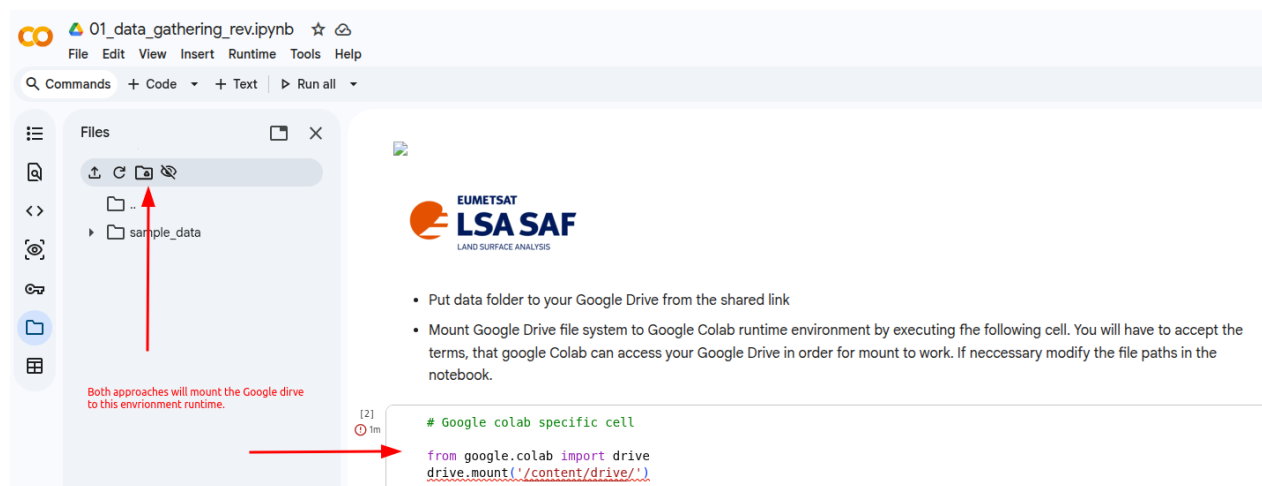


Figure 1: Image of mounting point

Then:

- Follow the authorization link
 - Grant permissions
 - Drive is typically mounted in `/content/drive/`
-

Step 5: Open the notebook

1. In Colab, click:
File → Open notebook
2. Select the **Drive** tab
3. Navigate to your folder
4. Open the provided `.ipynb` file

5. Check for file paths “/content/drive/My Drive/YOUR FOLDER/” if the folder paths are coherent with your setup.
-

Step 6: Run the notebook

- Execute cells by click on play icon or by keyboard:
`Shift + Enter`
 - The notebook will access data directly from Google Drive
-

Optione 2: Local Setup Using Conda

Following is quick summary more can be found at [Lsasaf gitlab README](#)

Requirements

- Anaconda or Miniconda installed
 - `environment.yml` file
 - Access to the shared [Google Drive folder](#) for data download
-

Step 1: Create project folder

Create a folder on your computer, for example:

```
project_folder/
```

Step 2: Create Conda environment

Place `environment.yml` in the folder and run:

```
conda env create -f environment.yml
```

Step 3: Activate environment

```
conda activate <environment_name>
```

Replace `<environment_name>` with the name defined in the YAML file.

Step 4: Download data

1. Open the provided data link
2. Download all required files
3. Place them into:

project_folder/data/

Step 5: Run JupyterLab

Important: Practitioner is advised to ommit cells in the notebok, that are specific to Google colab. Cells are commented as Google colab specific cell

Navigate to the project folder and run:

```
jupyter lab
```

Then:

- Open the notebook file (.ipynb)
 - Run cells as needed
-

How to access data from LSASAF

For additional datasets:

1. Go to the [LSA SAF Data Service](#)
2. Create an account
3. Download dataset for:

2025-07-22

4. Place the files into the appropriate data folders

You may also consult [short video instructions](#)
