International Water Management Institute

CGIAR

Water Accounting +

Introduction to the WAPORWA Framework

October 27, 2022 – Session IV

Mansoor Leh, Thilina Prabhath

Install WAPORWA

Step 1: Install Anaconda and Inkscape

Step 2: Download WAPORWA

Step 3: Create python environment for WAPORWA

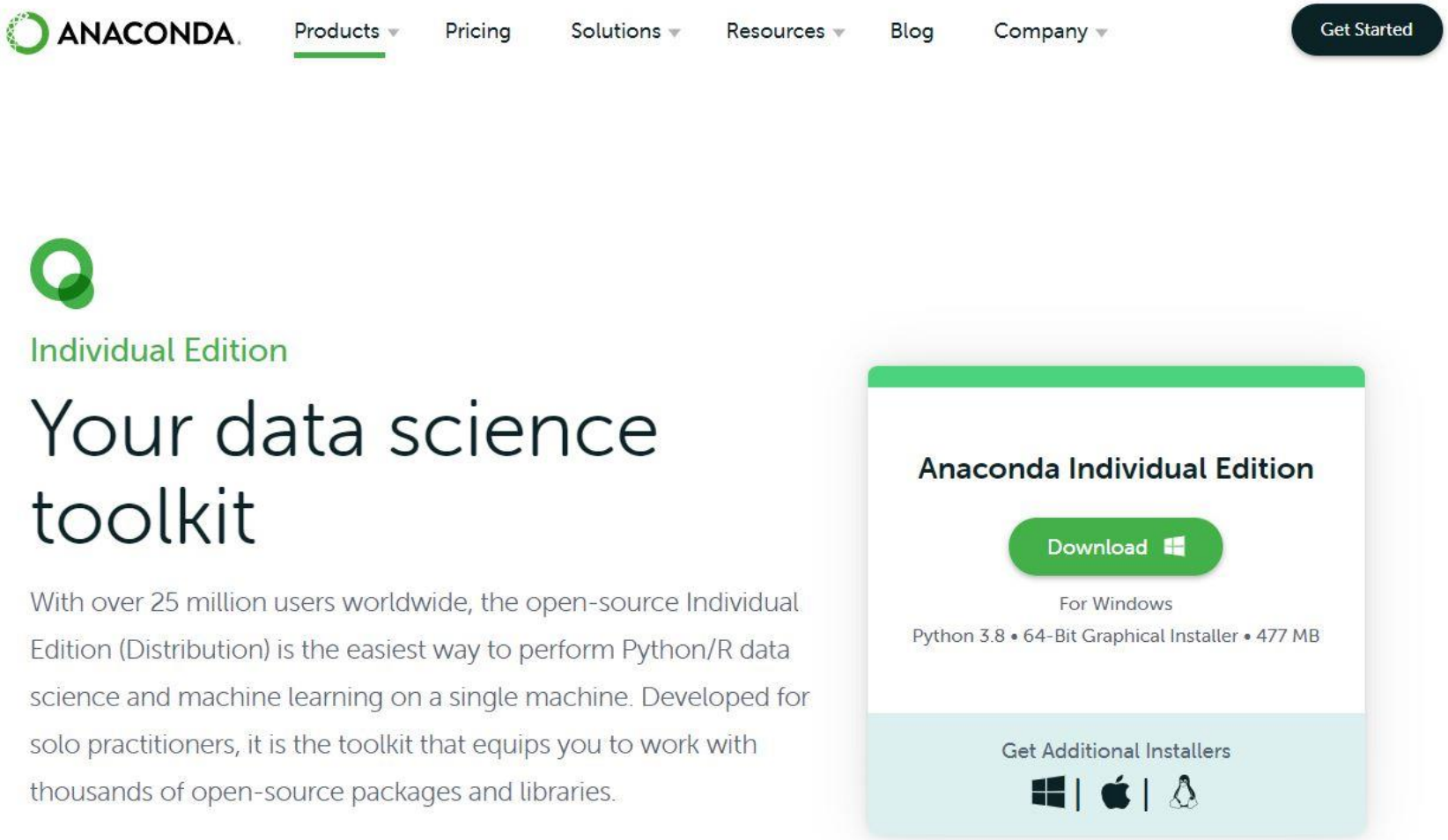
Step 4: Test installation

Step 5: Environmental Variable Setup

Step 1: Install Anaconda

Download the WAPORWA from here:

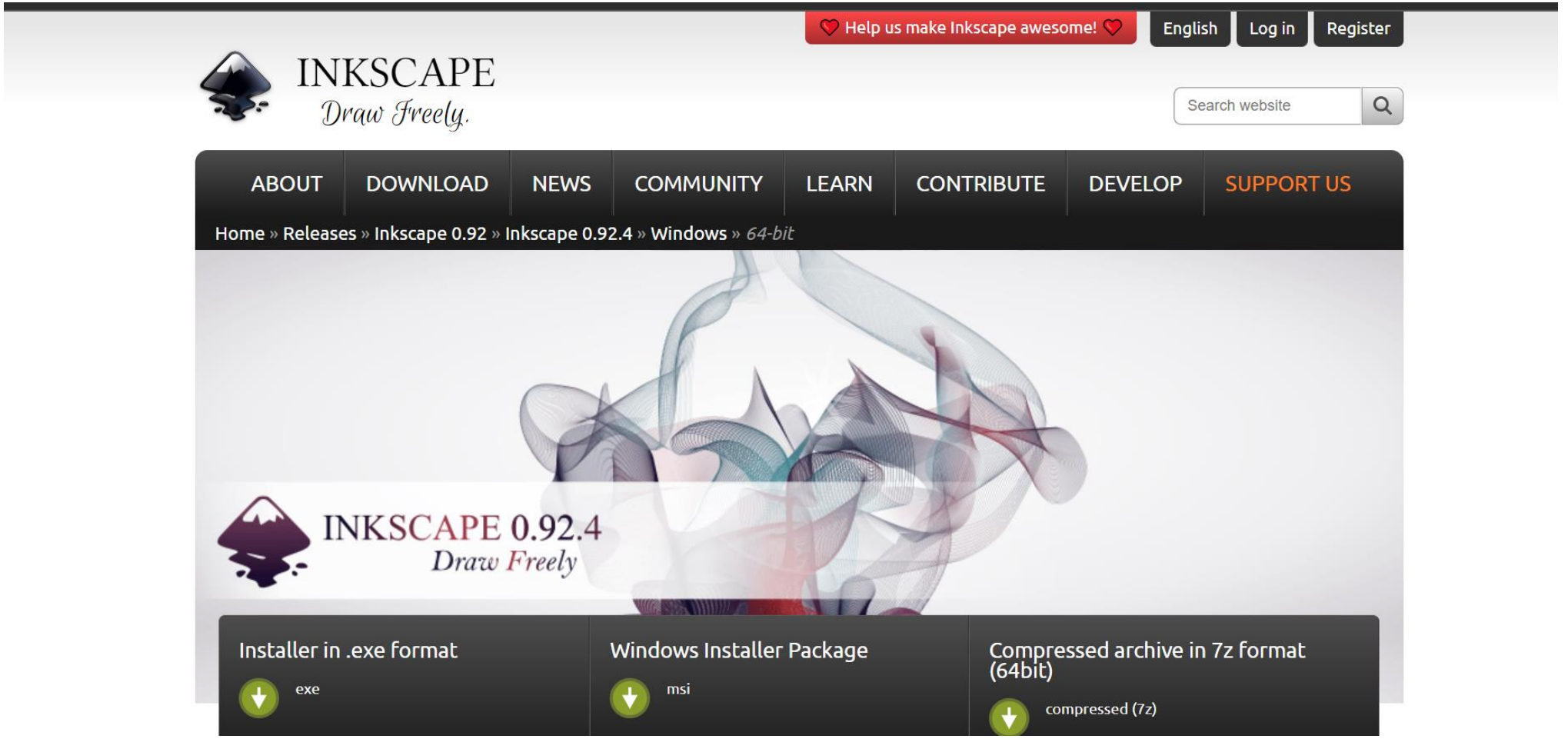
https://repo.anaconda.com/archive/Anaconda3-2022.10-Windows-x86_64.exe



Step 1: Install Inkscape

Download the Inkscape from here:

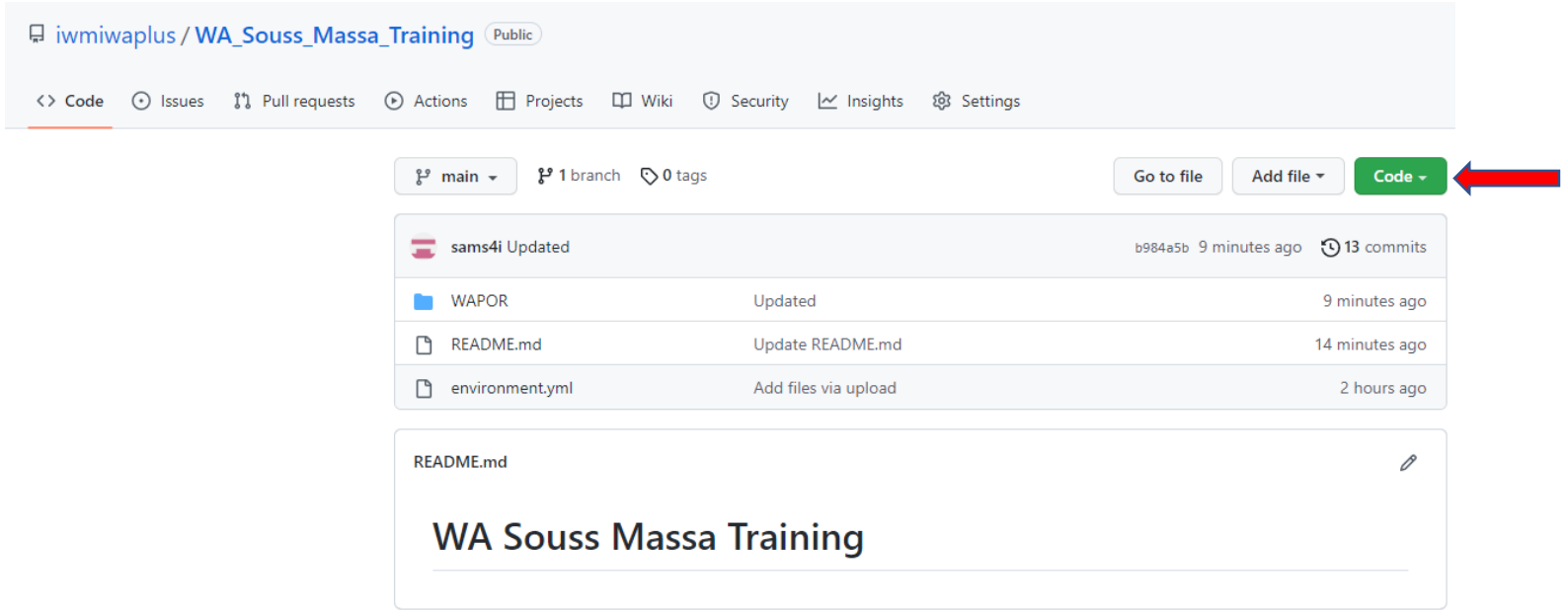
https://media.inkscape.org/dl/resources/file/inkscape-0.92.4-x64.exe



Step 2: Download WAPORWA

Download the WAPORWA from here:

https://github.com/iwmiwaplus/WA_Souss_Massa_Training/

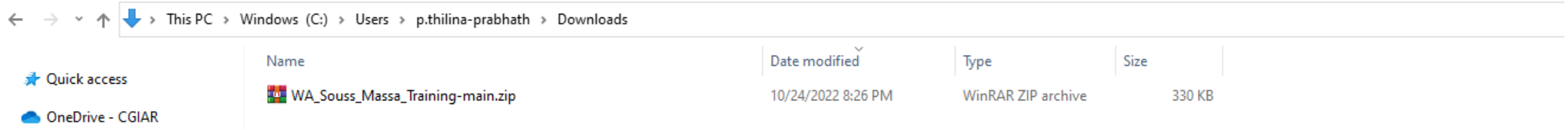


Click on ***code*** then the download zip

Step 3: Create python environment WAPORWA

Create a new environment with all the necessary Python packages for running WAPORWA

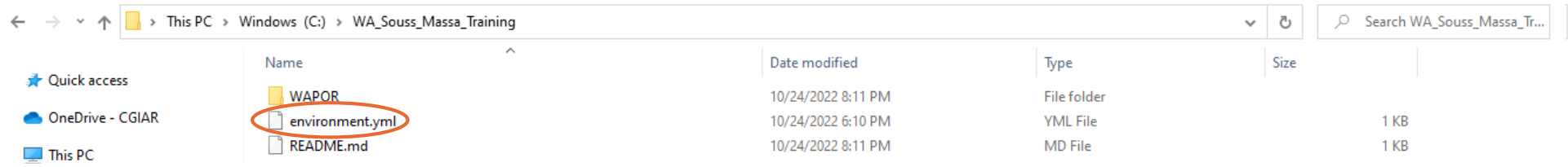
- Unzip folder WA_Souss_Massa_Training-main



- Rename the folder as WA_Souss_Massa_Training

Step 3: Create python environment WAPORWA

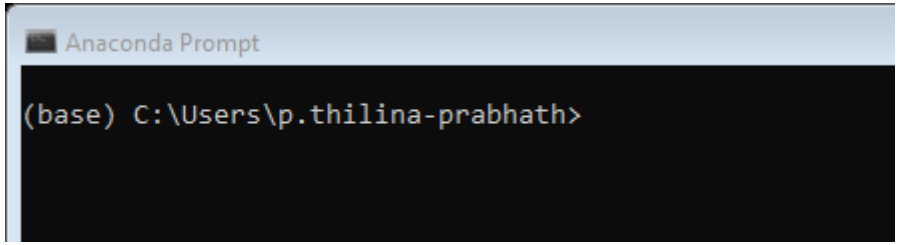
- Move WA_Souss_Massa_Training to working location
  (example:- C:\WA_Souss_Massa_Training)

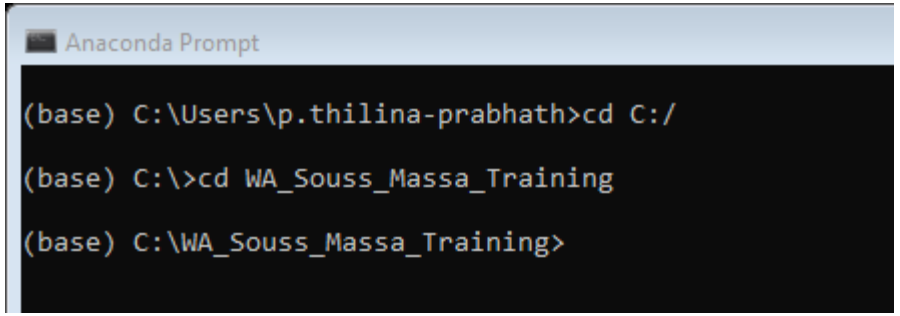


- Within WA_Souss_Massa_Training folder locate environment.yml file

Step 3: Create python environment WAPORWA

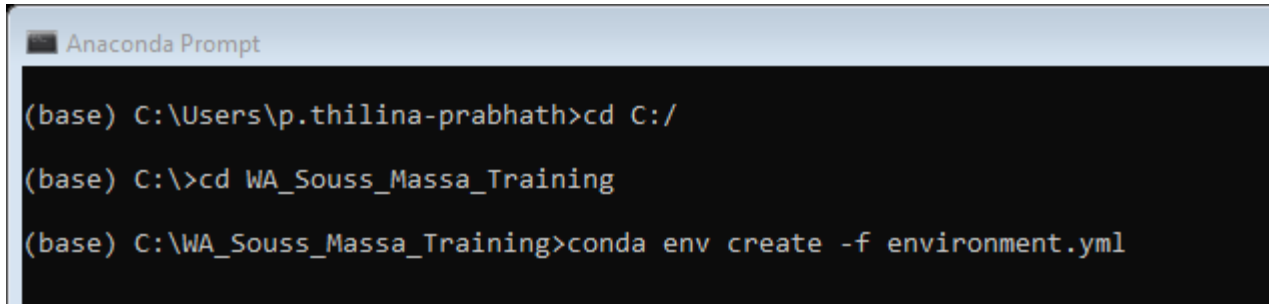
- Make sure you have internet access
- Open Anaconda prompt and change to WA_Souss_Massa_Training folder
- On my computer WA_Souss_Massa_Training is on the C





Step 3: Create python environment WAPORWA

- Create a new environment (Python 3) with
- all the necessary Python packages for running WAPORWA
    - Type ***conda env create -f environment.yml***
    - and press enter.



- This might take a while depending on internet … be patient

Step 4: Test the installation

- Activate environment :
  - Type *conda activate waporwa* and press enter.

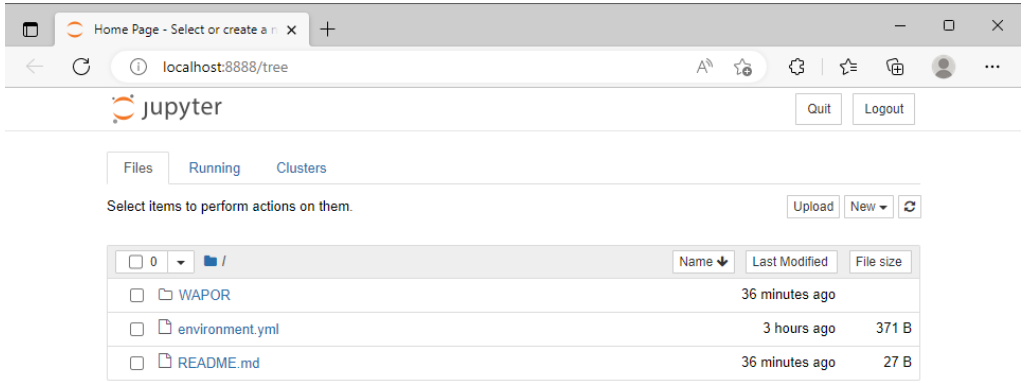
```
(base) C:\WA_Souss_Massa_Training>conda activate waporwa

(waporwa) C:\WA_Souss_Massa_Training>
```

  - With the waporwa environment activated lets open a python jupyter notebook
  - Type jupyter notebook

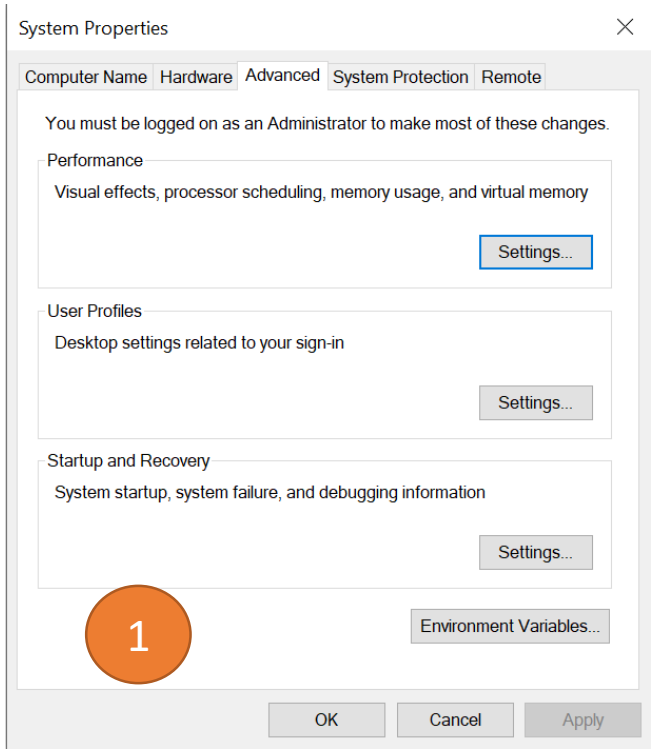
```
(base) C:\WA_Souss_Massa_Training>conda activate waporwa

(waporwa) C:\WA_Souss_Massa_Training>jupyter notebook
```



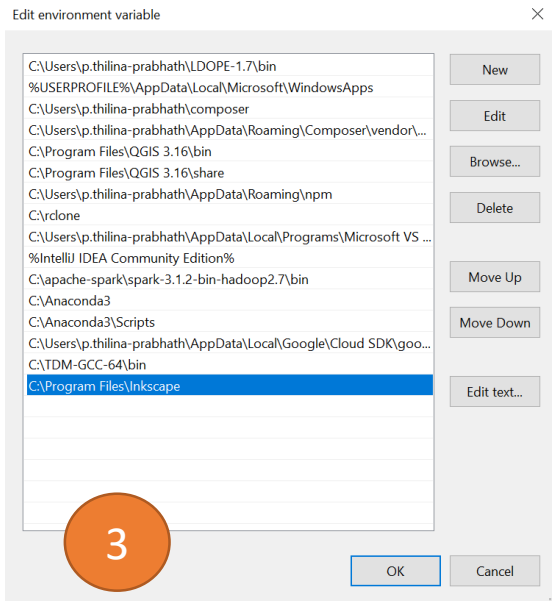
Step 5: Environmental Variable Setup

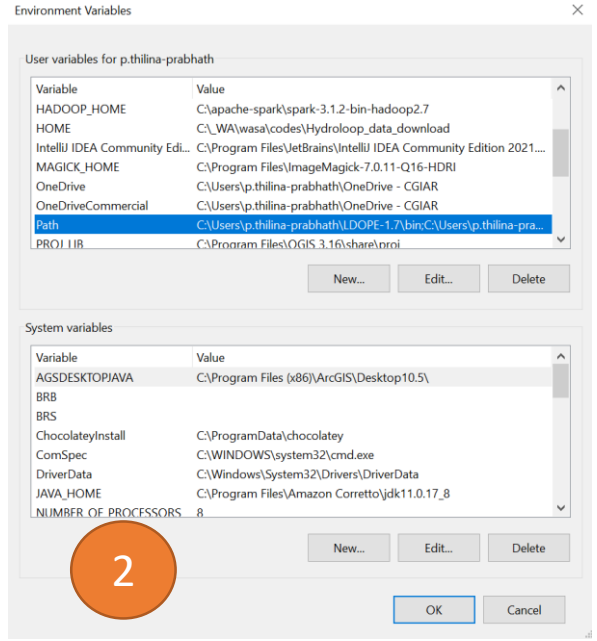
- Copy the path to Inkscape
  - C:\Program Files\Inkscape
- Add Inkscape path to Environment variable
  - Go to search and type **env** and select **Edit the system environment variables**
  - Click the **Environment Variables**



Step 5: Environmental Variable Setup

- Copy the path to Inkscape
  - C:\Program Files\Inkscape
- Add Inkscape path to Environment variable
  - Go to search and type **env** and select **Edit the system environment variables**
  - Click the **Environment Variables,** then go to path under **user variables**
  - And put the Inkscape path inside the box then click **ok** for all windows.





International Water Management Institute

Thank you

p.thilina-prabhath@cgiar.org

Innovative water solutions for sustainable development

Food · Climate · Growth

CGIAR