Methane monitoring from space

User Manual

Group 47

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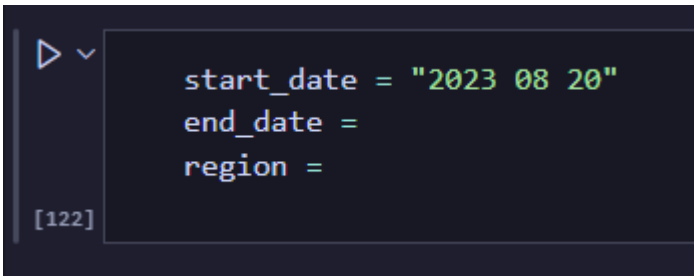
How to run the pipeline

To run the pipeline, we advise using Microsoft Planetary Computer Hub as the main platform as this pipeline was develop in it therefore providing the best compatibility.

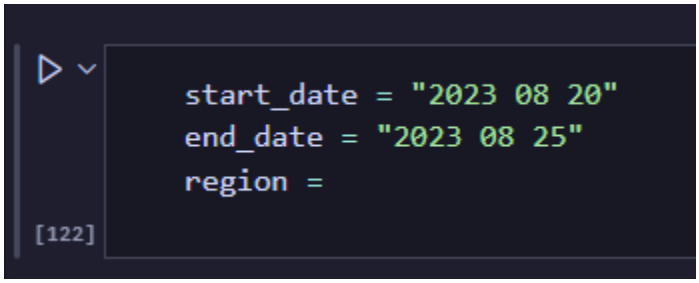
However, running on a local machine is allowed as well but may be unstable. The dependencies can be installed on any device capable of running Python – since the pipeline is a Jupyter notebook – it is advisable to use a device optimized for data processing for best results.

The accepted start and end date formats are dd mm YYYY, YYYY mm dd, dd/mm/YYYY, YYYY/mm/dd, dd-mm-YYYY, YYYY-mm-dd.

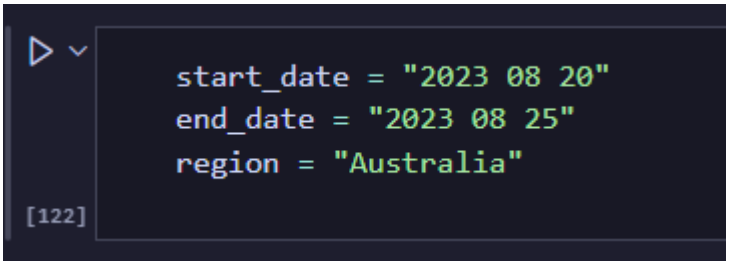
1. ***Open the pipeline***
2. ***Type the start date of your period of interest***



3. ***Type the end date of your period of interest***



4. ***Type the country name or bounding box in region variable***



```
[122]
start_date = "2023 08 20"
end_date = "2023 08 25"
region = [112.70505, -44.52755, 154.38241, -11.29524]
```

5. ***Click Run All to run the pipeline***