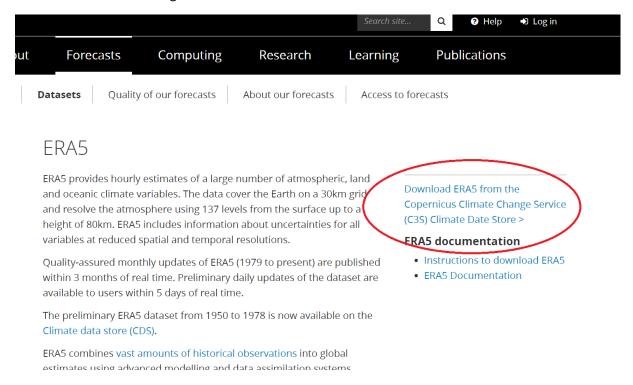
## ERA-5 Data Downloading Example

- 0 You must create a new account to be able to download files.
- 1 Go to the ERA-5 dataset website

Link: https://www.ecmwf.int/en/forecasts/datasets/reanalysis-datasets/era5

## 2 – Select the downloading server



3 – Select the dataset you want to extract.

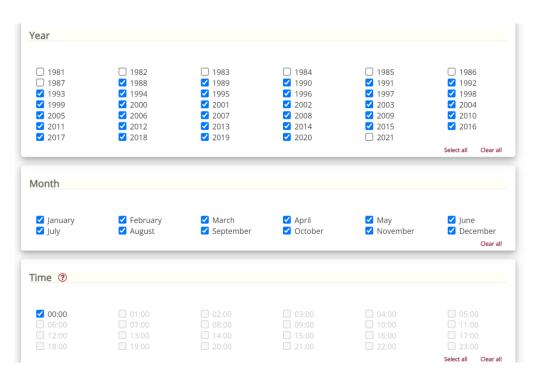
In this example, it will be: ERA5-Land monthly averaged data from 1981 to present

- 4 In the download data section, you must select:
  - (i) the product type -> Monthly averaged reanalysis
  - (ii) the variables you want -> 2m temperature, Volumetric soil water layer 1 and Total precipitation
    - → Info about variables : <a href="https://confluence.ecmwf.int/display/CKB/ERA5-Land%3A+data+documentation">https://confluence.ecmwf.int/display/CKB/ERA5-Land%3A+data+documentation</a>
  - (iii) the dates you want (year, month, day, hour) -> From 1988 to 2020, every month
  - (iv) the area -> the African continent coordinates: 38N, -35S, 55E, -22W
  - (v) the format of the data -> NetCDF

Varia	ble ③			
<b>▼</b> T	emperature			
	☐ 2m dewpoint temperature ☐ Skin temperature ☐ Soil temperature level 2 ☐ Soil temperature level 4	2m temperature Soil temperature level 1 Soil temperature level 3	Select all	Clear all
▶ L	lkas			
> Snow				
▼ Soil Water				
	☐ Skin reservoir content ☐ Volumetric soil water layer 2 ☐ Volumetric soil water layer 4	Volumetric soil water layer 1	Select all	Clear all
▶ R	Radiation and Heat			
▶ E	aporation and Runoff			
▼ Wind, Pressure and Precipitation				
	C 10-run arman and a finite d			
	☐ 10m u-component of wind ☐ Surface pressure	<ul><li>☐ rom v-component of wind</li><li>☑ Total precipitation</li></ul>	Select all	Clear all

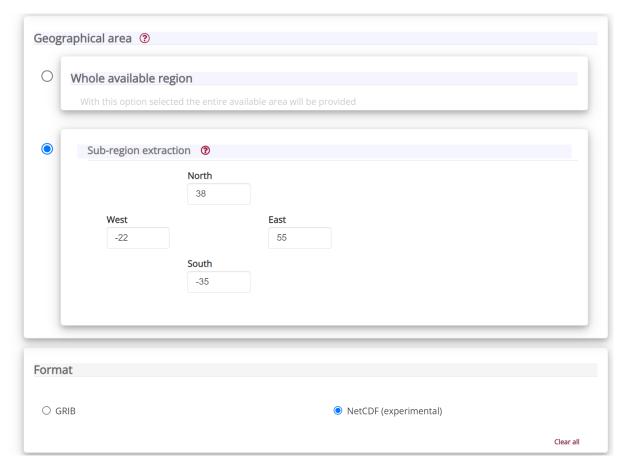
Screenshot of the selected variables

(iii)



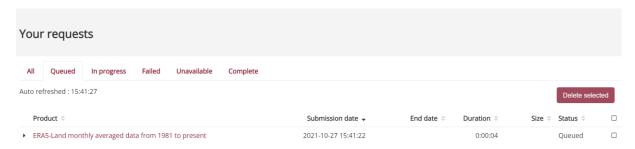
Screenshot of the selected dates

## (iv) and (v)

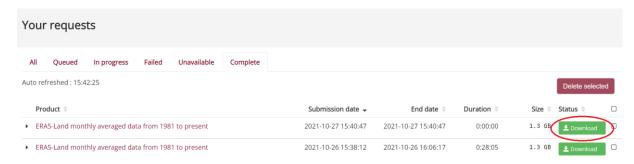


Screenshot of the selected geographical zone and the format of data

5 – Once the request launch, you will see it in the "Queued" section.



6 – When the server processes your request, it will pass to 'In progress' section and finally (hopefully) in the 'Complete' section where you can download the file.



7 – Bravo, your .nc4 file is now downloaded in your computer!

You can now process it with the Geo\_functions.py file.