

Layer Name	Description
adm0	UNICEF/Georepo administrative level 0 shapefile
Drgt_VCI_Freq	VCI (Vegetation Condition Index) Annual drought Frequency (2000 - 2022)
Drgt_TCI_Freq	TCI (Temperature Condition Index) Annual drought Frequency (2000 - 2022)
Drgt_SPIA_Freq	SPI (Standardized Precipitation Index) Annual drought frequency (2014 – 2023)
Drgt_SPIQ_Freq	SPI (Standardized Precipitation Index) Quarterly drought frequency (2014 – 2023)
Drgt_SPIQ_Trend	SPI (Standardized Precipitation Index) Quarterly Trend (2014 – 2023)
Deg_VCI_Trend	Annual VCI (Vegetation Condition Index) Trend
HW_Frequency	Heatwave Frequency (2021 – 2023 with reference to 2001 – 2020 climatological reference period)
HW_Severity	Heatwave Severity (2021 – 2023 with reference to 2001 – 2020 climatological reference period)
HW_Duration	Heatwave Duration (2021 – 2023 with reference to 2001 – 2020 climatological reference period)
HW_TX35	Mean annual days with temperature > 35°C (2021 – 2023 )
HW_TX31	Mean annual days with temperature > 31°C (2021 – 2023 )
CW_Frequency	Coldwave Frequency (2021 – 2023 with reference to 2001 – 2020 climatological reference period)
CW_Severity	Coldwave Severity (2021 – 2023 with reference to 2001 – 2020 climatological reference period)
CW_Duration	Coldwave Duration (2021 – 2023 with reference to 2001 – 2020 climatological reference period)
CW_TXMinus15	Mean annual days with temperature <-15°C (2021 – 2023)
Fld_SPIA_Freq	SPI (Standardized Precipitation Index) Annual Flood frequency (2014 – 2023)
Fld_SPIQ_Freq	SPI (Standardized Precipitation Index) Annual Quarterly frequency (2014 – 2023)
CountryList	Table of Country names, iso3 and UNICEF regions
WFire_Freq	Wildfire Frequency (2001 – 2023)
WFire_Int	Wildfire Intensity (2001 – 2023)
WFire_FWI_LS	FWI - Fire Weather Index (2001 – 2023)

# Google Earth Engine Hazard Assets Description

All layers available as assets are preloaded. Users can change the name of their layers of interest in the main Google Earth Engine script editor.

# Editing the Google Earth Engine Script

```
1
2 //=====
3 //                               SUBSET GRIDDED DATA FOR COUNTRY OR REGION OF INTEREST
4 //=====
5 // Consult the UNICEF document with country and region names for correct matched spellings here:
6 // https://github.com/emopsraps/Subsets/blob/main/UNICEF_Geosight_Country_id.csv
7 // 'UNICEF REG' refers to the UNICEF region of interest. 'adm0_name' is the country name
8 var subset = ee.Filter.inList('UNICEF Reg', ['ECARO']);
9 //var subset = ee.Filter.inList('adm0_name', ['Nigeria']);
10
11 //To filter by region, select from UNICEF regions below
12 // "ROSA" "NA" "ECARO" "MENARO" "Non-PDC" "ESARO" "LACRO" "WCARO" "EAPRO" "HQ"
13 var region = adm0.filter(subset);
14 // Replace 'Drgt VCI Freq' with the layer you want to subset below
15 var clipped = Drgt VCI Freq.clip(region);
16 var Vis = {min:0,max:30, palette: ['#48802f', '#c8fca9', '#ffffff', '#fcdcd7', '#fcd072', '#e8aa1a', '#f24138', '#b81004', '#6e0a03'],};
17
18 // Visualize subset
19 Map.addLayer(clipped, Vis, 'clipped layer');
20
21 print(region);
22
23
24 // Export subset for the country or region of interest
25 Export.image.toDrive({
26   image: clipped,
27   description: "Describe your layer", // assign description
28   folder: "Folder to save in on your google drive", // folder to save into or to create a new folder
29   maxPixels: 1e13,
30   fileNamePrefix: "Drought VCI ECARO", // file name to use
31   region: region, // region or country of interest (defined above already)
32   scale: 1000,
33   crs: 'EPSG:4326'
34 });
35
36 // For more information or issues running the script, contact the EMOPS RAPS GIS team at rapsgis@unicef.org
37
38
39
```

Define region of interest in square brackets and quotes. To comment out the region subset line and use country name, remove // at the start of line 9 and add it to start of line 8. Country name must be based on Country name (adm0\_name) list provided here:  
[https://github.com/emopsraps/Subsets/blob/main/UNICEF\\_Geosight\\_Country\\_id.csv](https://github.com/emopsraps/Subsets/blob/main/UNICEF_Geosight_Country_id.csv)

Do NOT change. Pre-defined variable

Define layer name to subset. The name MUST be based on the Layer Description list

Define layer to be subset. The name MUST be based on the Layer description list

Define EPSG of coordinate system for exporting subset

Define scale for export in kilometres

Do NOT change. Pre-defined variable

Define filename in quote. Use underscore (\_) instead of spaces to separate words

Define folder name in quote. Use underscore (\_) instead of spaces to separate words

Layer short description in quote. Shorten as much as possible

Do NOT change. Pre-defined variable