

## GEE Code – Instructions for using the code for your own analysis

[https://code.earthengine.google.com/87f8fd4323288e2f722df37c71f95f5b?accept\\_repo=users%2Fmayanaclark%2FUHEAT](https://code.earthengine.google.com/87f8fd4323288e2f722df37c71f95f5b?accept_repo=users%2Fmayanaclark%2FUHEAT)

The following lines of code will need to be changed to run the SPI and VCI analysis for your own study area and study period.

- Follow the instructions in lines 30–44 of the code for selecting your own area of interest (AOI). You will need to **delete the AOI provided in the demonstration** before creating your own AOI.
- Lines 52–53: rename the variable to the country of your choice and change the filter to select this country. Change the value in the print statement to the name of the country.
- Lines 55–56: comment these lines so they are not used when running your own script.
- Line 59: Change the variable name to the country you selected in lines 52–53.
- Line 62: Change the variable name to the country you selected in lines 52–53.
- Line 65: comment this line so it is not used when running your own script.
- Line 74: Change the date to calculate the SPI for your own study period.
- Line 99: Change the value for calculating SPI at the time step of your choosing (see line 96).
- Line 139: Change the variable name to the country you selected in lines 52–53.
- Line 228: Change the min/max values for the results from your own SPI analysis.
- Line 337: Change the name of the map title (if applicable).
- Lines 460–468: Uncomment these lines if exporting the results to your Google Drive.
- Line 502: Change the second parameter in parentheses to the country selected in lines 52–53.
- Lines 523–524: Change the values for month and year respectively for your own calculation of VCI.
- Lines 594–595: Change min/max values for the results from your own VCI analysis.
- Lines 608–618: Uncomment these lines if exporting the results to your Google Drive.