

Lab 3

Google Earth Engine API

This tutorial provides introduction to Google Earth Engine playground application programming interface (API). Please request Trusted Tester account by filling in the following form:

<https://docs.google.com/forms/d/17-LSOJQcBUGIwfpIrbFLv0ULYhOahHJs2MwRF2XkrcM/viewform>.

Once you have access to the Google Earth Engine with their Trusted Tester account, so the first thing to do is sign in.

- Go to: <https://ee-api.appspot.com/>
- Sign in with the Google account which you have registered with the Google Earth Engine Trusted Tester Program.
- Then go to the link below to run the example script provided:
<https://code.earthengine.google.com/b6997bd37d1c9452ad184fa6f91f1a83>

Exercise

1. Download the following satellite-derived products for Uganda by modifying the example Google Earth Engine script link provided above. Calculate the mean annual for EVI for the period 01/01/2015-08/30/2015. Also download elevation (Image ID = CGIAR/SRTM90_V4).
 - MODIS EVI (Collection ID = MODIS/MYD13Q1)

Note: Make sure to change the “filterMetadata('ISO_2DIGIT', 'equals', 'ZM')” to “filterMetadata('ISO_2DIGIT', 'equals', 'UG')”

2. Create a link to your script to share your script.