



Skill Building- Accessing Planet Imagery

Geoinformatics
May 2021



Two Types

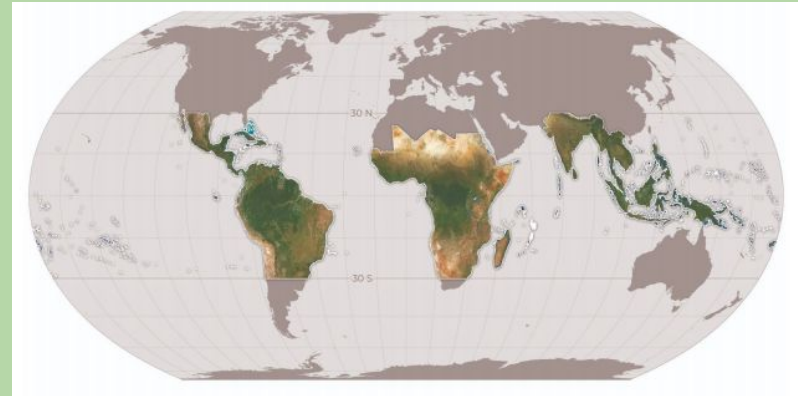
NASA Data Buy

- Images from PlanetScope and RapidEye
 - (3m and 5m), (4- and 5-band)
- Extensive coverage
- Can access images 30 days after release

NICF Data Program

- Cloud-free mosaics of tropics (4.77m) (3- and 4-band)

https://assets.planet.com/docs/NICFI_General_FAQs.pdf



****Use different emails for each account (Personal for NICF)****

Norwegian Data

- Request access here:
<https://www.planet.com/nicfi/>
 - Use personal email, not your SSAI!
- Follow directions in activation email
- Download plugin for Q/Arc here:
<https://developers.planet.com/integrations/>


READY TO GET STARTED?


SIGN UP FOR LEVEL 1 USER ACCESS

*Current Planet data users will need to sign up with a different email not associated with their Planet account

Email *

☐ I consent that Planet will send an activation email to my address to set up my account.

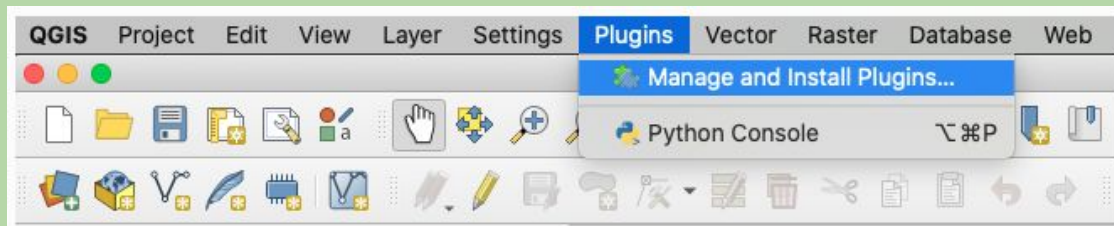
 I'm not a robot


reCAPTCHA
[Privacy](#) - [Terms](#)

GET ACCESS

Planet Plugin in Q

- Easiest to install via zip
 - Plugins > Manage and Install Plugins > Install by zip
- Login to Planet account w/ personal email
- Search for imagery!
- More info...
 - QGIS: <https://developers.planet.com/docs/integrations/qgis/quickstart/>
 - ArcGIS: <https://developers.planet.com/docs/integrations/arcgis/quickstart/>



NASA-Buy & GEE - **Step 1**

**First, contact Geo and/or Dr. Ross to set up an account. You should receive a login to your SSAI to get access to Planet Explorer

Integrate your GEE Account with Google Cloud Projects

- [Sign up by completing this form](#)
- Must already have an existing EE account
 - (we recommend not using your node email)

EE Account Upgrade Form

Your EE email will be added to a Google Group that will upgrade your account to the new GCP backed EE version


* Required

NASA-Buy & GEE - **Step 2**


Create Google Cloud Project & Enable EE API

- Within the Google Cloud Platform, [create a Cloud Project](#)
- On that new project, [enable the Earth Engine API](#)


New Project

 You have 10 projects remaining in your quota. Request an increase or delete projects. [Learn more](#)

[MANAGE QUOTAS](#)

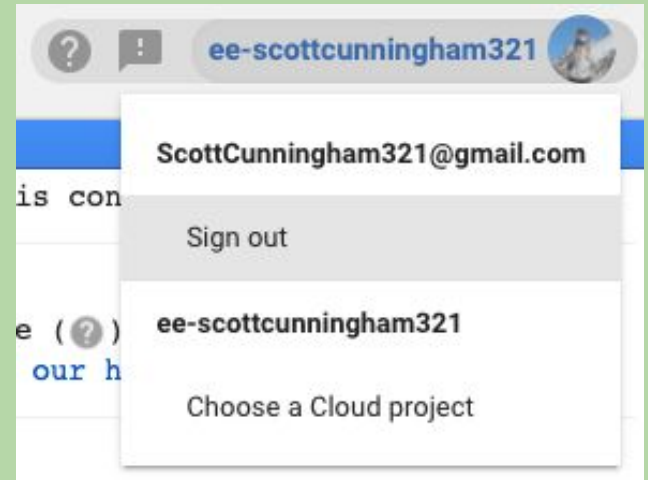
Project name *
Example Project 

Project ID: example-project-314721. It cannot be changed later. [EDIT](#)

Location *
 No organization [BROWSE](#)

Parent organization or folder



[CREATE](#) [CANCEL](#)



NASA-Buy & GEE - **Step 3**

Grant Planet Service Account a “Resource Writer” Role

- Go to your [Google Cloud Platform Console](#)
- Select “IAM & Admin”
- Add Planet with role “Earth Engine Resource Writer”
 - `planet-gee-uploader@planet-earthengine-staging.iam.gserviceaccount.com`

<input type="checkbox"/>	Type	Member 	Name	Role
<input type="checkbox"/>			planet-gee-uploader@planet-earthengine-staging.iam.gserviceaccount.com	Earth Engine Resource Writer

Ordering Process

Jupyter Notebook for Ordering and Delivering Images to EE:

https://github.com/ecarcelen/Planet/blob/main/DEVELOP_PlanetDownload.ipynb

****Image Collection** you are ordering to must already exist in your cloud project

****Use API Key** generated in Planet Explorer

```
# Define request parameters
## Here is where you'll modify information for the images you are ordering
request = {
    #order specifications
    "name": "Order Name", #name for your order
    "products": [
        {
            "item_ids": [
                "20210410_170003_00_2457" #ids for images you are ordering
            ],
            "item_type": "PSScene4Band", #image type
            "product_bundle": "analytic_sr_udm2" #product bundle
        }
    ],
    #delivery specifications
    "delivery": {
        "google_earth_engine": {
            "project": "project_name", #cloud project name
            "collection": "collection_name" #empty collection name
        }
    }
}
```