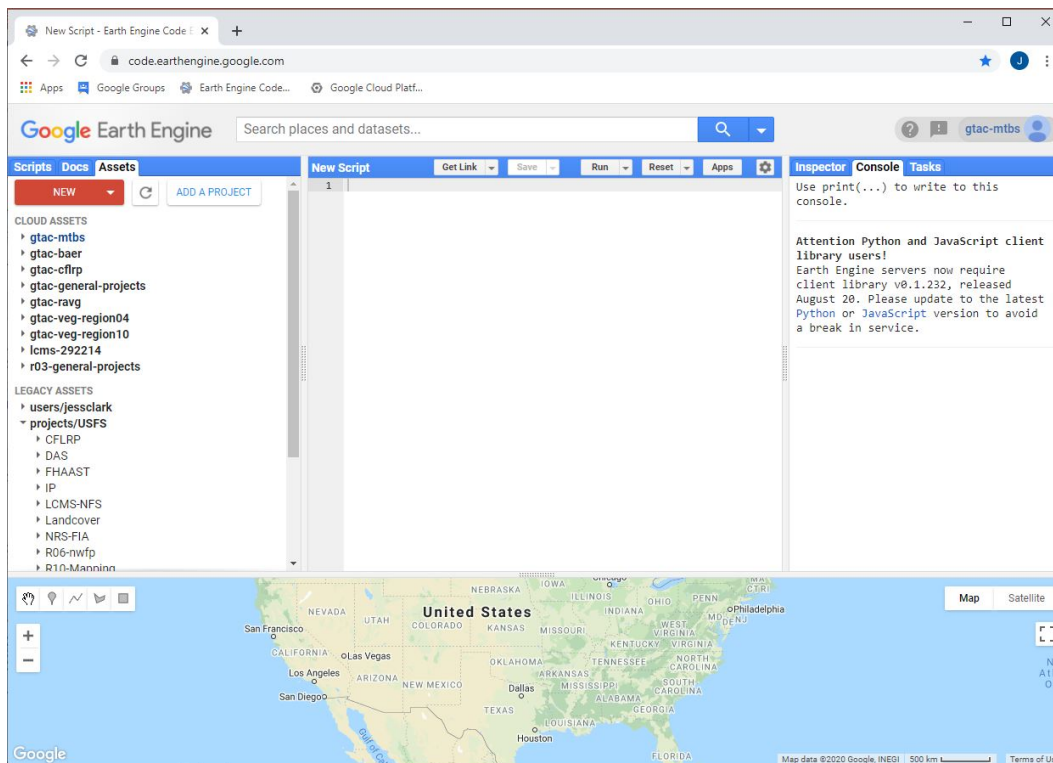


# Login to Google Earth Engine with USFS

## Introduction

This guide is intended for members of the USFS who will be using Google Earth Engine regularly as a part of their job. Google Earth Engine (GEE) is a web-based JavaScript Application Program Interface (API) that offers users the ability to write scripts to highly customize, share and repeat analysis workflows.





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Vermillion, M; Clark, J. 2021. Login to Google Earth Engine with USFS. **GTAC-xxxx-Brief x**. Salt Lake City, UT: U.S. Department of Agriculture, Forest Service, Geospatial Technology and Applications Center. **xx**  
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## Part 1: Which GEE Account is for you?

Do you plan to use GEE as a part of a training, short term, or to visualize data?

Yes – follow the instructions in [Part 2](#) to set up your account

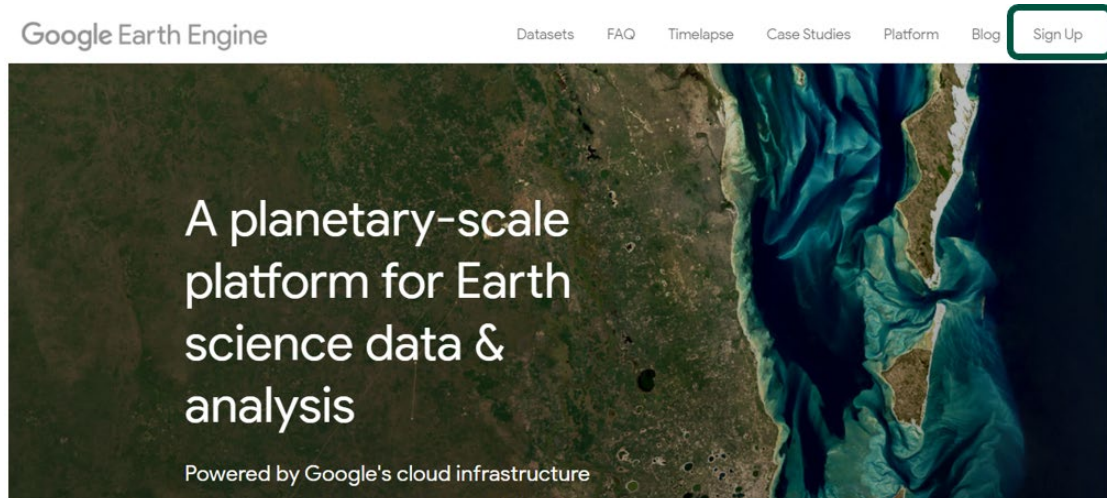
Are you a part of a project where you will use GEE regularly as a part of your job?

Yes – Follow the instructions in [Part 3](#) to set up your account

## Part 2: GEE Account for Minimal Use/Training

### A. Request Access to Google Earth Engine

1. Navigate to [Google Earth Engine](#)
2. In the upper right-hand corner click **Sign up**



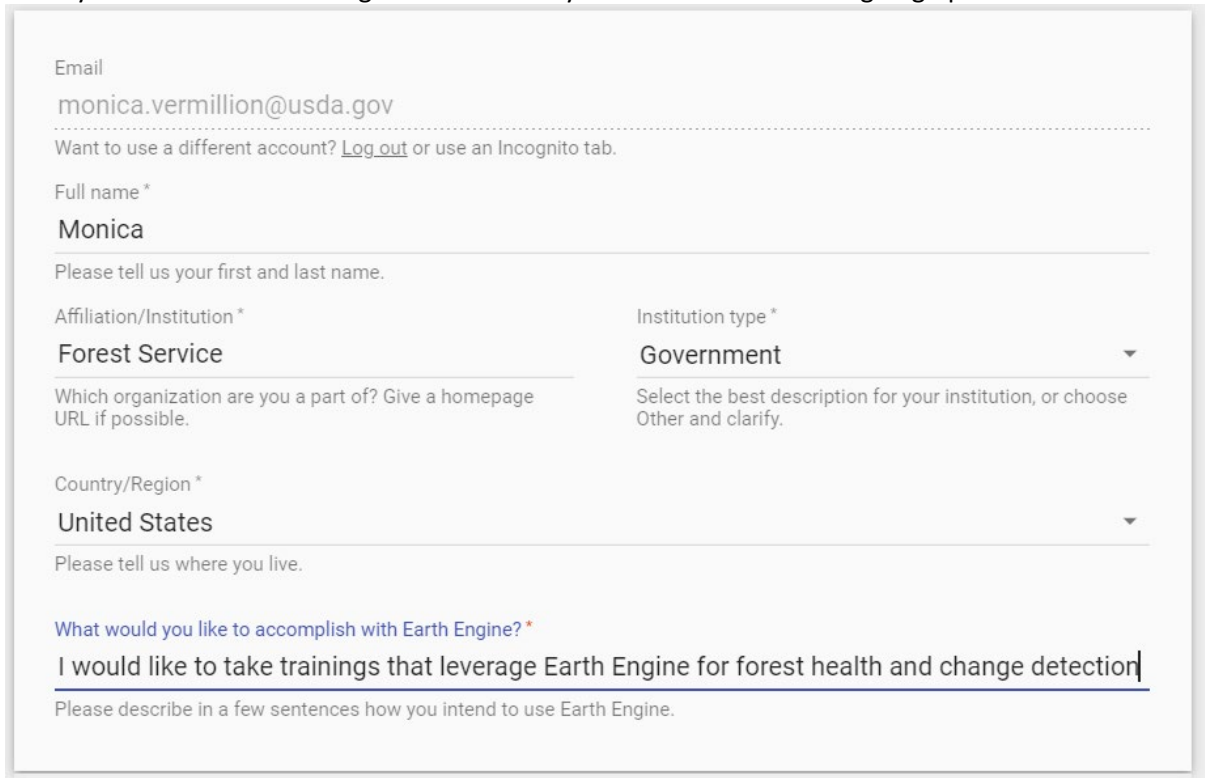
3. Follow the instructions below to create a Google Account with your USDA Email

### Sign up for Earth Engine

If you'd like to become an Earth Engine developer, please sign up by providing the following information. We can't accept all applications, so please fill out all fields as best you can so we can evaluate your request for access. If you are accepted, you will receive an email within one week.

To facilitate the evaluation process, we suggest that you sign up with an email associated with your organization. Tip: You don't need a Gmail account to create a Google Account. You can [use your non-Gmail email address to create one instead](#).

4. Once you have created a Google Account with your USDA Email finish signing up for GEE



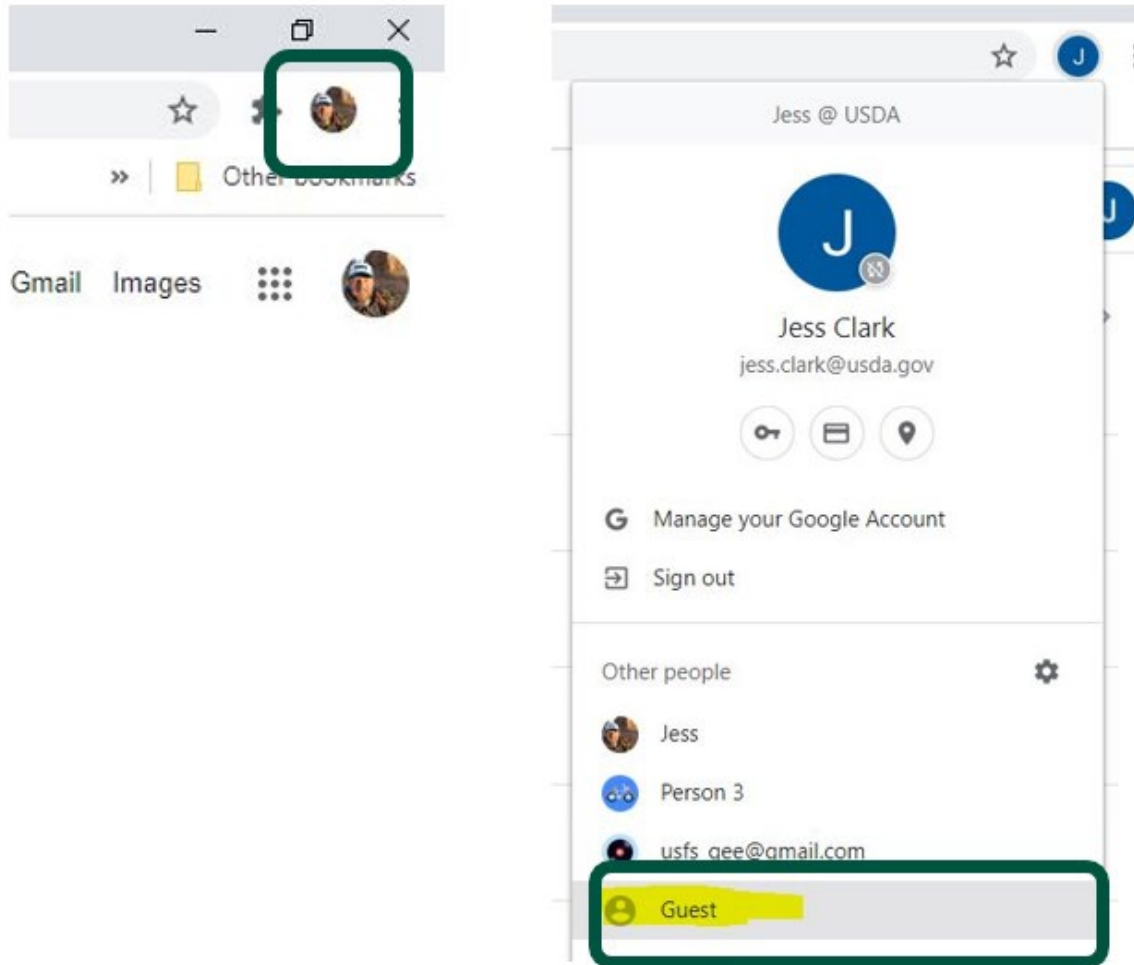
The screenshot shows a registration form for Google Earth Engine. The fields are filled with the following information:

- Email:** monica.vermillion@usda.gov
- Want to use a different account?** [Log out](#) or use an Incognito tab.
- Full name \*:** Monica
- Affiliation/Institution \*:** Forest Service
- Institution type \*:** Government
- Country/Region \*:** United States
- What would you like to accomplish with Earth Engine? \*:** I would like to take trainings that leverage Earth Engine for forest health and change detection

5. Accept the terms of service and **Submit** the form.
  6. Wait for an email that says you have been accepted to Earth Engine
- B. Explore the JavaScript Code Editor API
1. Navigate to the [Earth Engine Code Editor](#)
  2. When prompted log in with the Google Account you created above

## Part 3: GEE Account for Projects Use

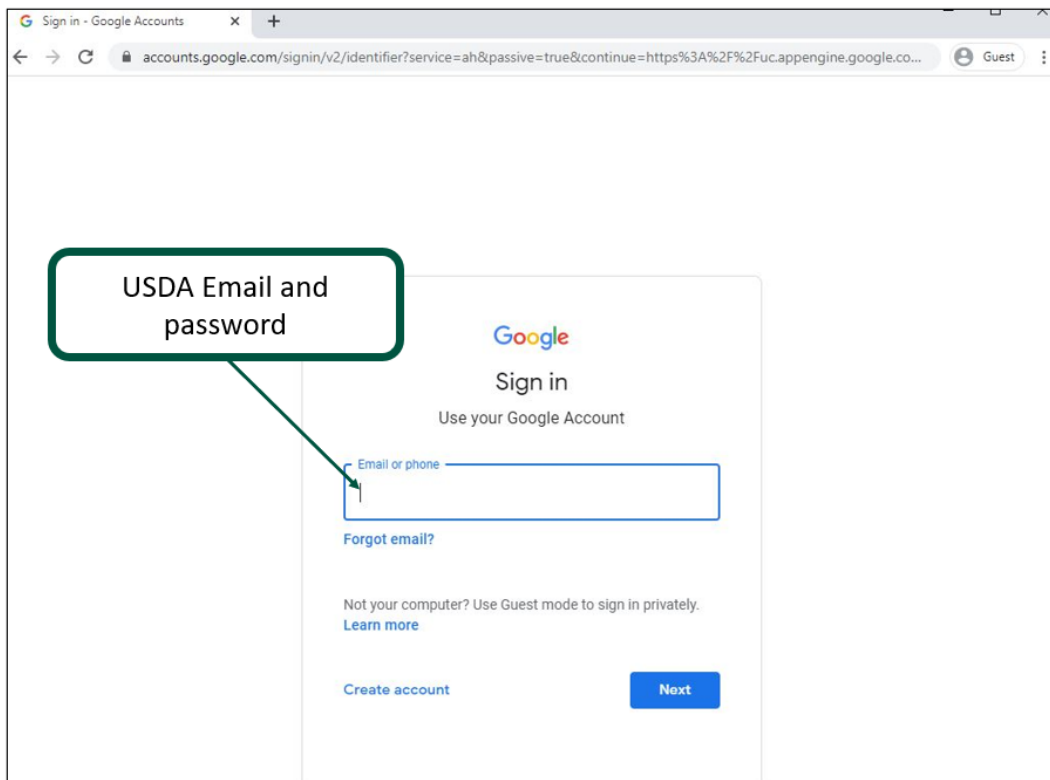
- A. Add USDA Account to Google Group
1. Email [SM.FS.GTAC@usda.gov](mailto:SM.FS.GTAC@usda.gov) with your name and USDA email address asking to be added to the Google Earth Engine Google Group
  2. Please wait to be notified by GTAC that you've been added to the appropriate groups. This will take 24 hours or longer. Once notified continue to Part 2
- B. Login to Google Earth Engine with USFS
1. Browse as a Guest
    - i. Open Google Chrome
    - ii. Click on the circle in the upper right-hand corner of the page, select **Guest** from the dropdown menu



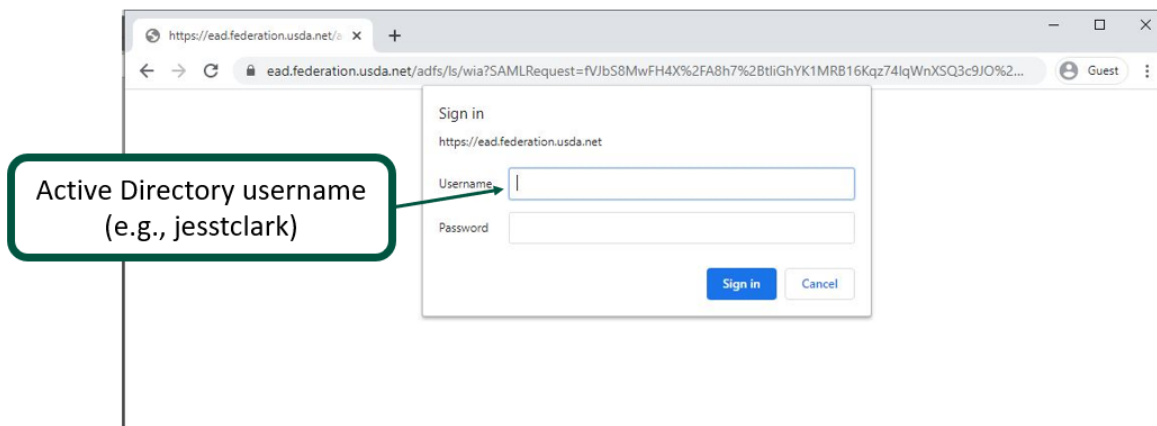
- iii. A new page will come up that indicates You're browsing as a Guest
- 2. Sign into Google Earth Engine
  - i. Navigate to the [Google Earth Engine Code Editor](#)

If you created a Google account named with your USDA email prior to being added to the Google Earth Engine Group, as described in Part 2, your account will be in conflict. **Stop** and go to [Part 4 for instructions on how to deconflict your account\(s\)](#).

- When prompted to Sign in using your Google Account enter your USDA email account credentials.

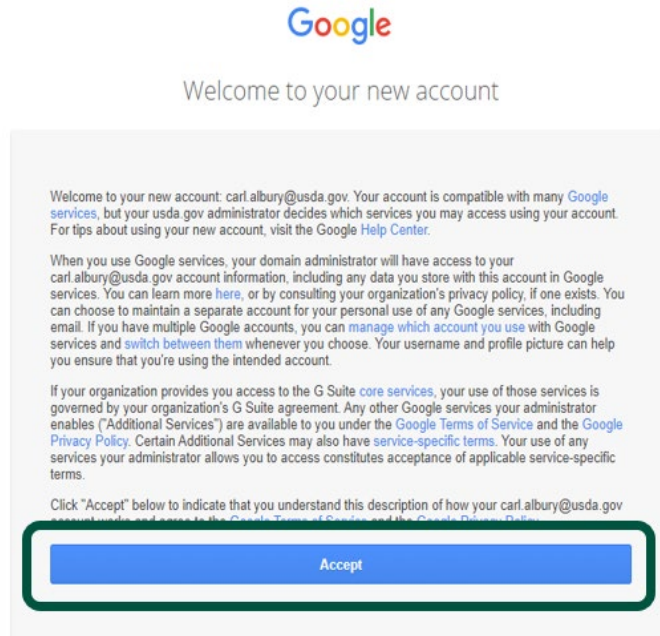


- You will next be prompted to enter a username and password. These are your **Windows Active Directory credentials**, typically your first initial then last name, not your USDA email.

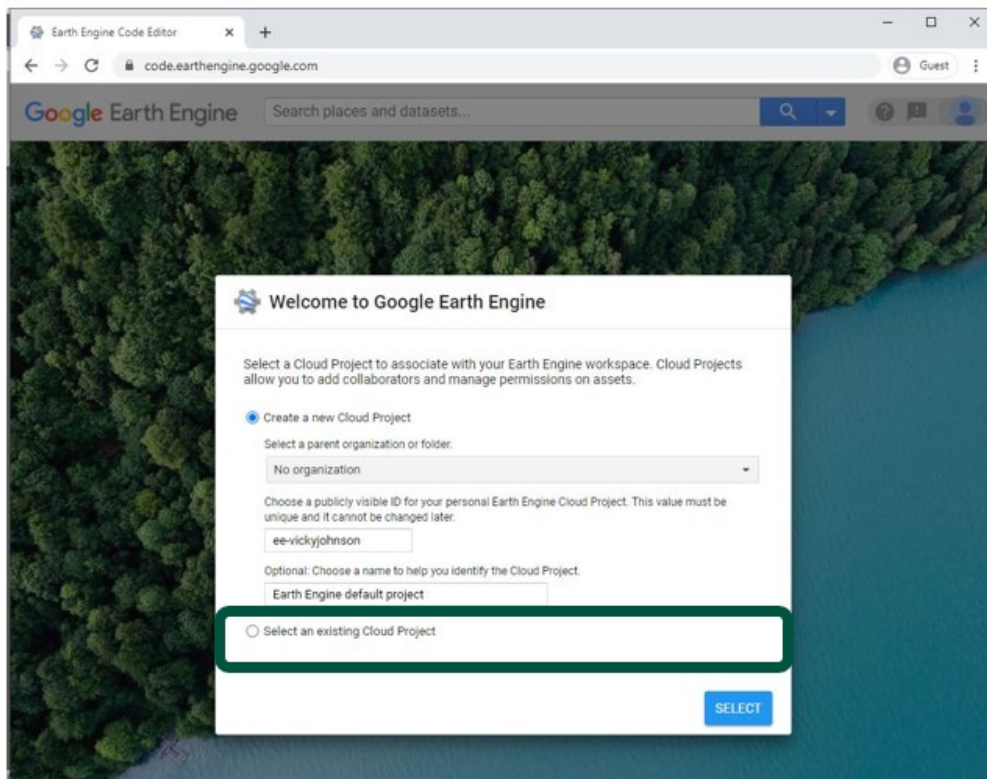


- Once logged in, accept the account's terms of service, and continue to the code editor





- When prompted to select a Cloud Project choose **Select an existing Cloud Project** navigate to your project (e.g., **r03-general-projects**, **GTAC-Training**). You will now have access to the assets currently shared with this project.





## Part 4: Resolving Conflicted Accounts

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- A. When prompted choose **Personal Account** (following these next few steps will deconflict your USDA email from Google personal accounts)
- B. Enter your USDA.gov email address and the password you chose when you connected this email address with a Google account
- C. You will be asked to create a new GMail account – this will be a temporary, throw away account. Name it something like  [<yourname>-usda@gmail.com](mailto:<yourname>-usda@gmail.com)
- D. In the current email box, enter an actual email you use, should you get locked out of this new temporary, throw away account
- E. On the next screen, enter in a cell phone number that accepts text messages; enter the code you're provided into the box on the screen to verify that you exist
- F. After clicking next, you will land at a new GMail account and screen. You may close the browser now – you've successfully deconflicted your accounts
- G. Go to [Part 3: Step 2](#) and follow the steps outlined there