

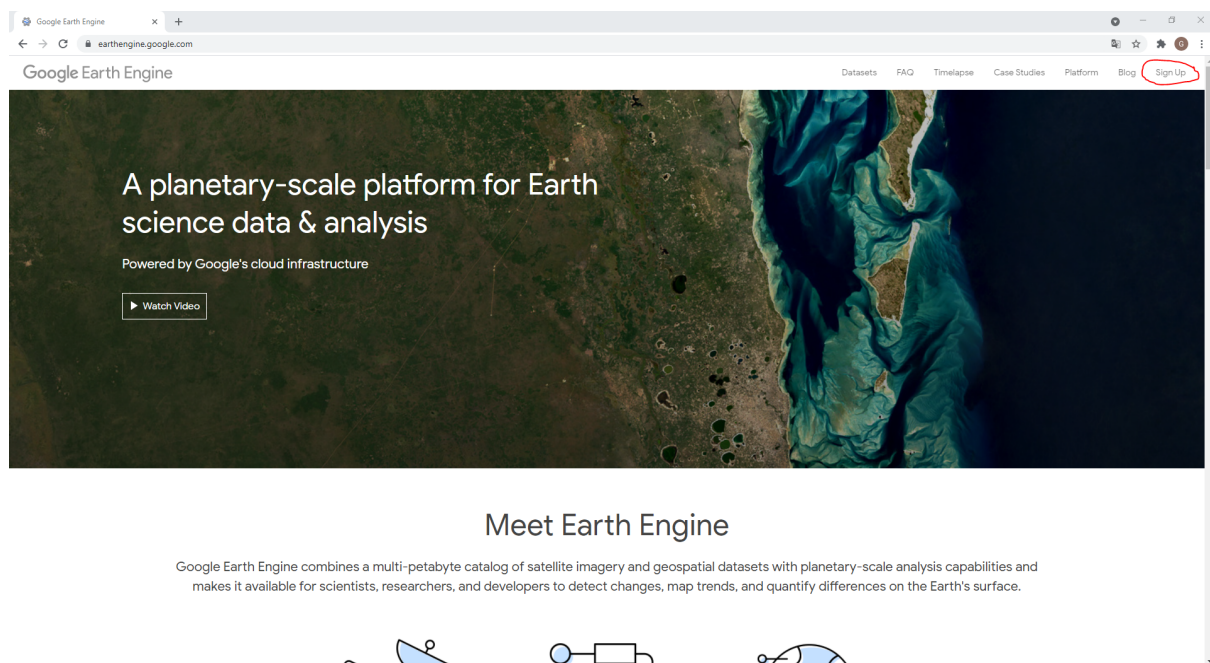
Installation rgee

rgee est un package R permettant d'appeler l'API Google Earth Engine (GEE) avec R (<https://github.com/r-spatial/rgee>). Ainsi, les différentes fonctions de GEE peuvent être utilisées sur R.

GEE, est un service de traitement géospatial mis en place par Google. Il permet d'effectuer des traitements géospatiaux grâce à Google Cloud Platform directement sur les serveurs Google. Google Earth Engine dispose d'un catalogue de données de plusieurs péta-octets (Landsat, Sentinel, MODIS, ...). Il existe deux manières de l'utiliser, via le code editor de GEE (en Javascript) via l'API GEE (Python et R).

1 - Création d'un compte GEE

<https://earthengine.google.com/>




Earth Engine Signup

New Script - Earth Engine Code Editor

+

← → ↻ sign-up.earthengine.google.com/#/



SIGN UP

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](#).

Email

gabriel.delaunay1997@gmail.com

Want to use a different account? [Log out](#) or use an Incognito tab.

Full name *

Please tell us your first and last name.

Affiliation/Institution *

Which organization are you a part of? Give a homepage URL, if possible.

Institution type *

Select the best description for your institution, or choose Other and clarify.

Country/Region *

France

Email

gabriel.delaunay1997@gmail.com

Want to use a different account? [Log out](#) or use an Incognito tab.

Full name *

Gabriel Delaunay

Please tell us your first and last name.

Affiliation/Institution *

Université Rennes 2

Which organization are you a part of? Give a homepage URL if possible.

Institution type *

Academia

Select the best description for your institution, or choose Other and clarify.

Country/Region *

France

Please tell us where you live.

What would you like to accomplish with Earth Engine? *

I would like use Earth Engine for mapping land cover change.

Please describe in a few sentences how you intend to use Earth Engine.

Earth Engine may only be used for development, research, or educational purposes. It may not be used for sustained commercial purposes, but may be evaluated in a production environment.

☒ I agree that my use of the Earth Engine services and related APIs is subject to my compliance with the applicable [Terms of Service](#). In particular, I acknowledge that creating multiple Earth Engine accounts to circumvent quota restrictions is a violation of the Terms of Service.

☒ I am interested in commercial use of Earth Engine.



Je ne suis pas un robot



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SUBMIT



THANK YOU

We're glad you're interested.

Keep an eye on your inbox for gabriel.delaunay1997@gmail.com. We'll let you know when you're good to go.

KEEP EXPLORING

LOG OUT

2 - Installation rgee



Installation du package via CRAN

```
1 library(rgee)|
2 ee_install()
3
4 ee_Initialize()
5
6
```

```
> library(rgee)
Warning message:
le package 'rgee' a été compilé avec la version R 4.0.5
> |
```

```
> ee_Initialize()
-- rgee 1.0.9 ----- earthengine-api 0.1.262 --
✓ email: not_defined
✓ Initializing Google Earth Engine:
Enter Earth Engine Authentication: |
```

Se connecter avec Google


Google Earth Engine Authenticator
souhaite accéder à votre compte
Google
 gabriel.delaunay1997@gmail.com

Google Earth Engine Authenticator pourra ainsi :

Afficher et gérer vos données Google Earth Engine

Gérer vos données et les autorisations dans Google Cloud Storage


Vérifiez que l'application Google Earth Engine Authenticator est digne de confiance

Il se peut que vous partagiez des informations sensibles avec ce site ou cette application. Lisez les [Conditions d'utilisation](#) et les [Règles de confidentialité](#) de l'application Google Earth Engine Authenticator pour savoir comment elle utilisera vos données. Vous pouvez à tout moment consulter ou supprimer les autorisations d'accès dans votre [compte Google](#).

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Annuler

Autoriser


Connexion

Copiez ce code, puis collez-le dans votre application :

4/1AY0e-
g6y7Uy0TPwdcok0Ffs9ALPIJxxtzjRaCeolzTi9gcQ5Yr