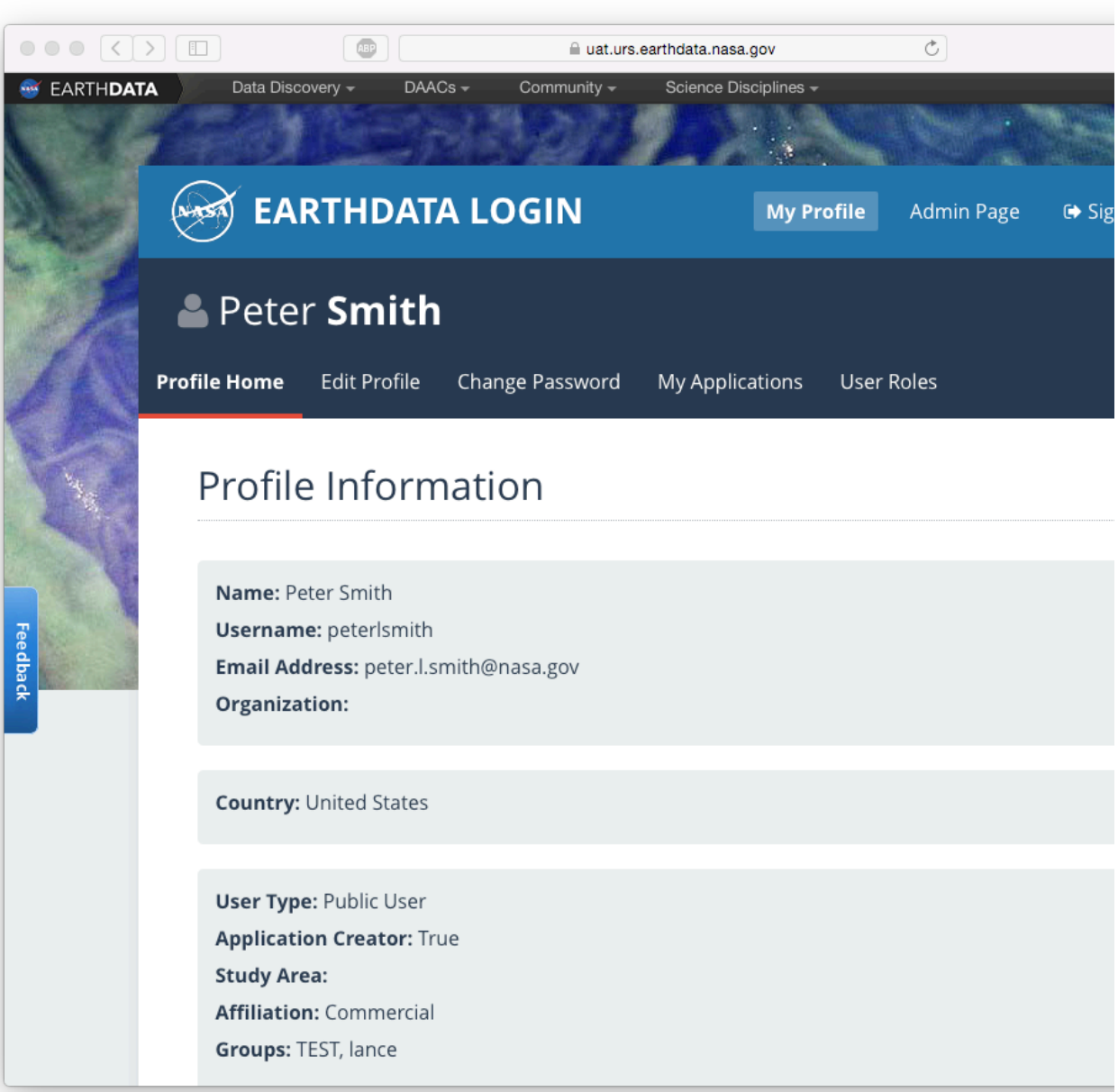
How To Register An Application

The first step in integrating Earthdata Login single sign-on into your application is to register the application with Earthdata Login. This is a necessary part of the OAuth 2.0 process.

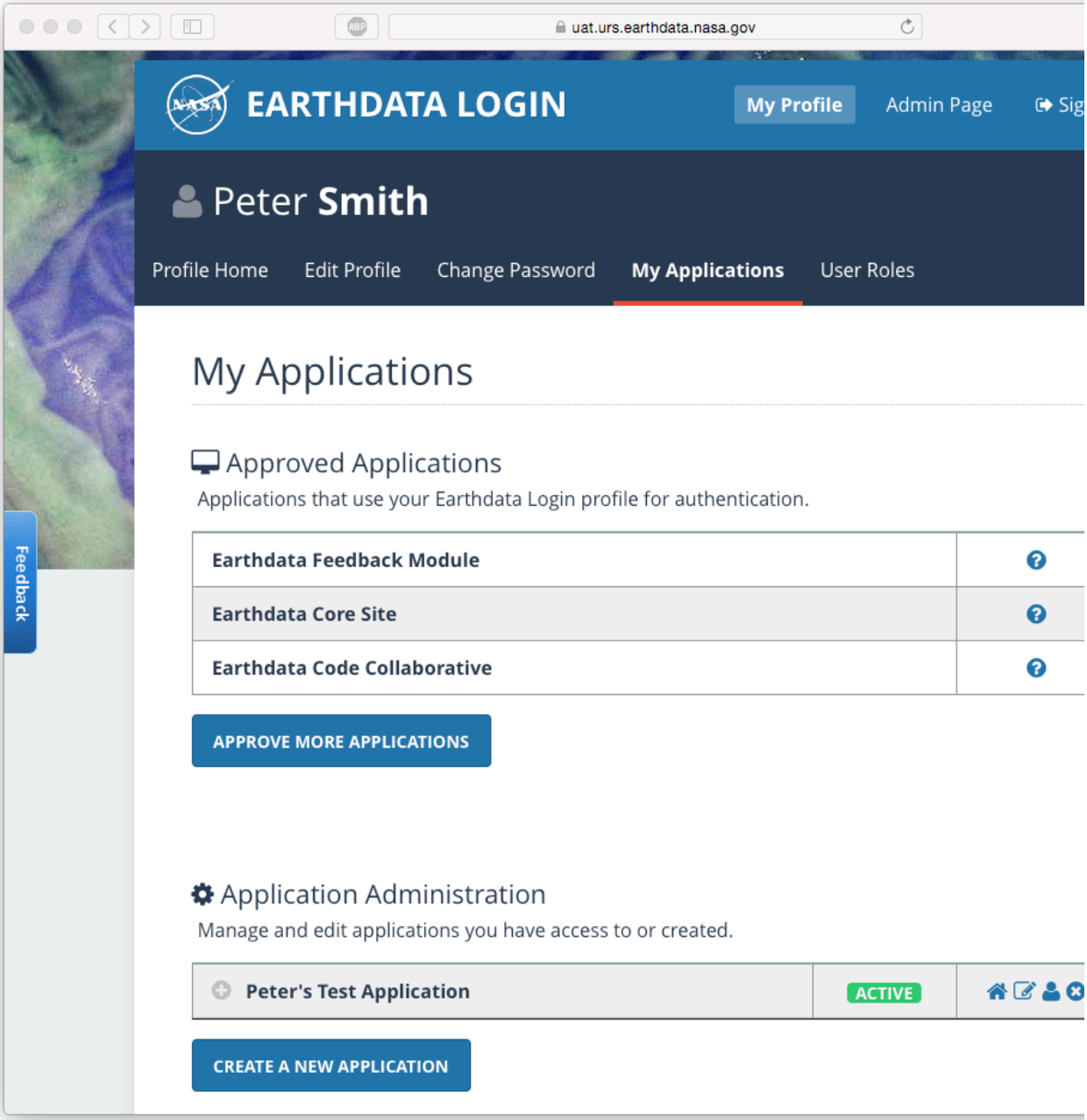
Before you can register any application, however, you must have the application creation permission. To request this permission, login to your Earthdata Login profile, navigate to the My Applications tab, and at the bottom this screen there will be a button that says "REQUEST APP CREATION ACCESS". Clicking this button will take you to a screen that will provide a filled-in form that will allow you to notify the Earthdata Login administrator of your need for this access. Click the submit button and the administrator will be notified of your request. You should receive an email from the administrator indicating that you have been granted the "application creator" role. Then you can follow the instructions below to register an application with Earthdata Login.

Step-by-step guide

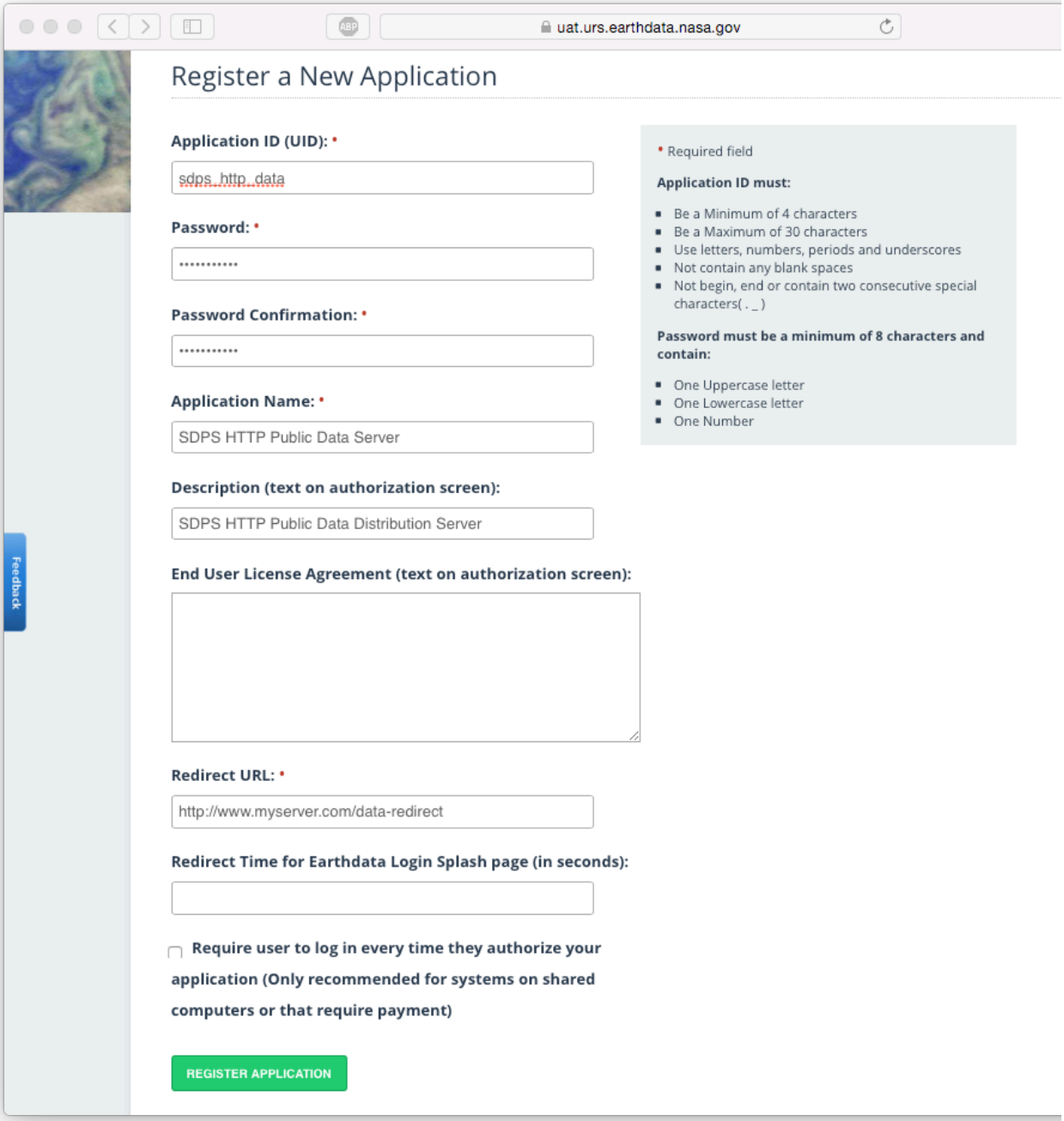
1. Log in to the Earthdata Login and select the 'My Applications' tab.



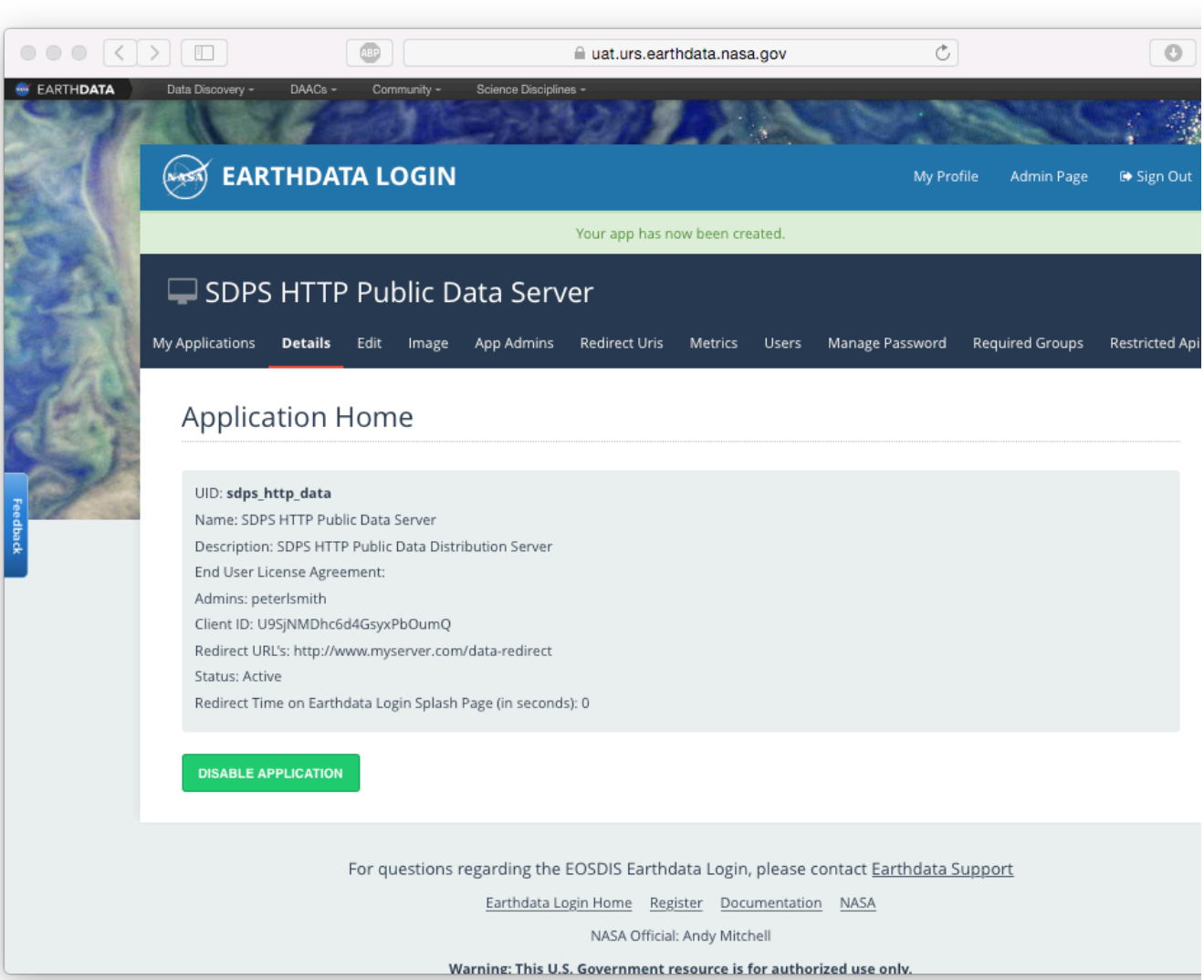
2. Click on the 'CREATE A NEW APPLICATION' button at the bottom of the page.



3. Fill in the details of your application. You will need to use the Application ID (UID), and the Password when your application participates in the authentication processes with the Earthdata Login. The Redirect URL is where the user will be redirected once the user has successfully authenticated with Earthdata Login. This will be the part of your application that handles the final part of the authentication process. When you have entered all the details, click on the 'REGISTER APPLICATION' button. That's it - your application has been registered.



4. The next screen will show that your application was created successfully. You should make a note of the assigned Client ID value - this will also be needed during by your code the authorization process.



5. Check your email! You should receive an email indicates the successful registration of your application.

Application Registration Email

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'Earthdata Login - Application Registration and Activation Status'

Hello, Peter Smith.

The following application has been activated in Earthdata Login:

Application UID: sdps_http_data
Application Name (Description): SDPS HTTP Public Data Server

As the person who registered this application, you are the admin of
this application.
You are receiving this e-mail because you are the admin for this
application.

If you have any questions, please contact support@earthdata.nasa.gov.

Thanks,
The EOSDIS Earthdata Login Team
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Start coding!

Related articles

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- How To Use Tokens From Another Earthdata Login Application
- How to Set up ECHO type applications