

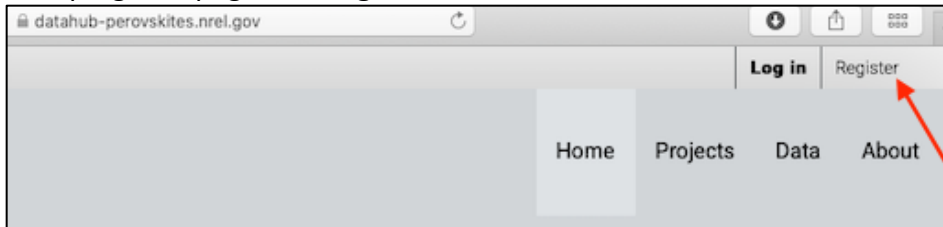
DataHub Registration & Multi Factor Authentication

This document will walk a user through:

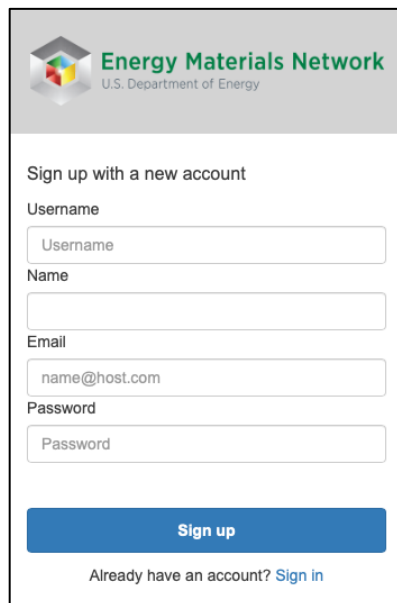
1. Registering for an account on a moderate level data, datahub.
2. Confirming your datahub email address
3. Obtaining access to a datahub and specific projects
4. Configuring MFA (Multi Factor Authentication) with your datahub account

Registering For a New DataHub Account

1. Go to the MFA enabled production datahub.
 - a. For Perovskites: <https://datahub-perovskites.nrel.gov>
2. At top right of page click **register**

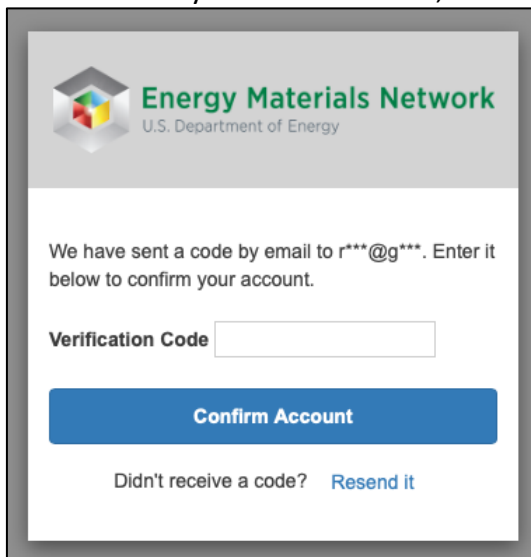


3. **New Users:** Please register for an account below and provide the following details and click **Sign Up**. **Please note IDs and PWs are case sensitive.*
 - Username: Select a desired username
 - Name: List your first and last name
 - Email: Please use nrel.gov email if applicable
 - PW: Select a strong password

A screenshot of a sign-up form for the Energy Materials Network, U.S. Department of Energy. The form is titled 'Sign up with a new account' and includes the following fields: 'Username' (with a placeholder 'Username'), 'Name', 'Email' (with a placeholder 'name@host.com'), and 'Password' (with a placeholder 'Password'). A blue 'Sign up' button is at the bottom, and a link 'Already have an account? Sign in' is below it.

Confirming Your Email Address

4. You should see this popup and receive an email with a verification code. Please obtain the code from your email address, enter the code, and click **confirm account**.



The screenshot shows a confirmation popup for the Energy Materials Network. At the top left is the logo, a stylized cube with colored faces, followed by the text "Energy Materials Network" and "U.S. Department of Energy". Below the logo, the text reads: "We have sent a code by email to r***@g***. Enter it below to confirm your account." There is a text input field labeled "Verification Code". Below the input field is a blue button with the text "Confirm Account". At the bottom, there is a link that says "Didn't receive a code? Resend it".

5. If you do not have an existing account, once you click confirm account, you should see a flash pop up message that looks like the below:

Thank you for registering on the data hub. emnadmin@nrel.gov has been notified of your request and will email you once you have been added to the data hub.

Obtaining Access to Specific Data Hubs and Projects

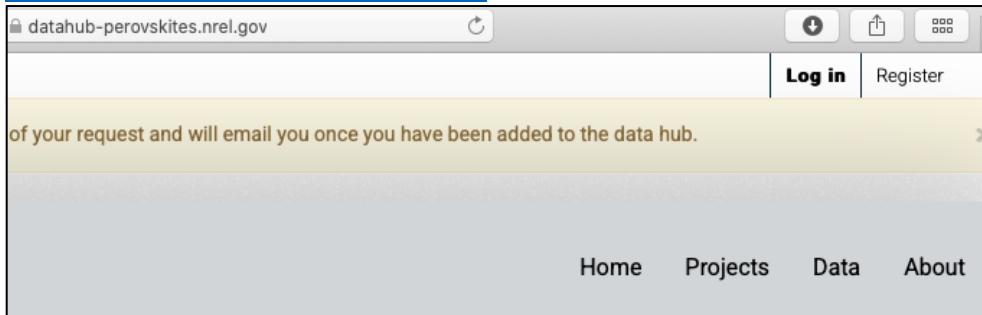
6. An EMN Administrator will need to add your new user to the appropriate access groups.
 - a. Upon completion of the previous steps, an automated email will be sent to the EMNAdmin administrator mailbox (emnadmin@nrel.gov).
 - b. This mailbox is monitored and when requests are received we work with the appropriate PIs to validate access.
 - c. Once access has been added you will be notified and can proceed with the remaining steps in this document.
 - d. *Attempting to move forward with MFA configuration prior to access groups being configured will be unsuccessful.*

Configuring Multi Factor Authentication

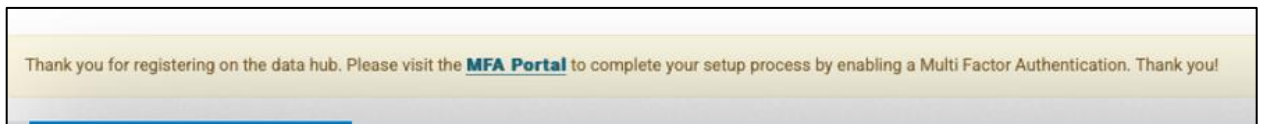
**Please Note: Multi factor authentication requires users to provide a secondary credential in addition to their password to access a system. Cyber and security policies require datahubs that maintain moderate or higher data to require MFA (Multi Factor Authentication)*

7. Please download and have an authenticator app (such as Authy or Google Authenticator) available as you complete the remaining steps in this document.
 - a. Later steps in this configuration process, as well as future login attempts, will require users to generate and provide a secondary credential to login. This can be done with an authenticator app.
8. Once you've received notice that you have been added to the correct group, please click the **login** option again at the top right of the datahub page.

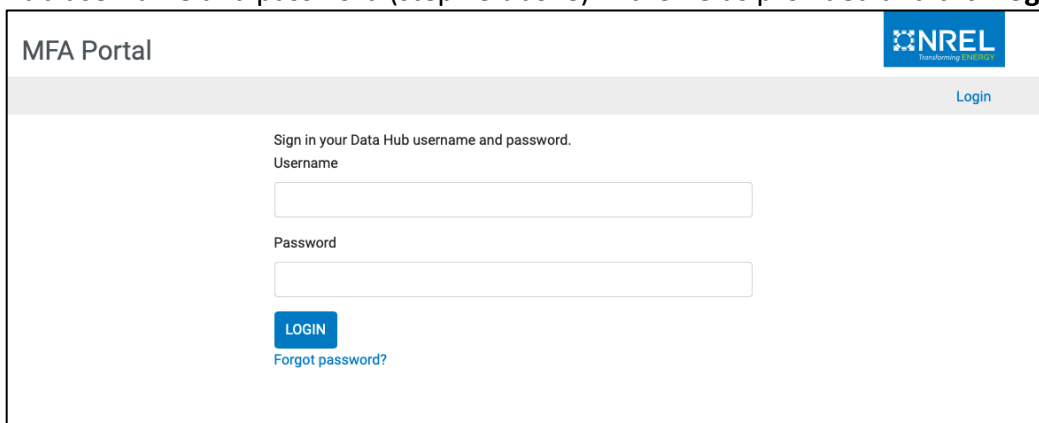
<https://datahub-perovskites.nrel.gov>



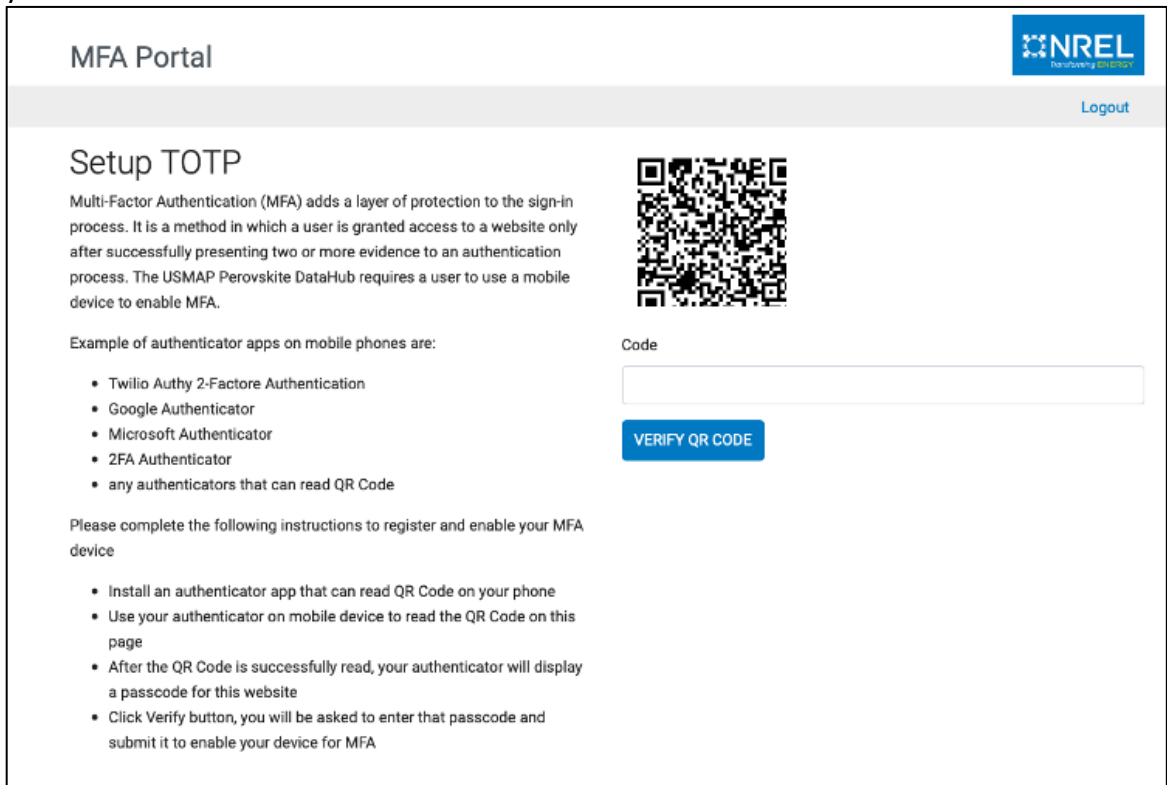
9. The first time you login you'll see the following message requesting you to set up Multi Factor Authentication. Please click on the link for **MFA Portal**.



10. On the MFA portal application page, you will see a prompt to login. This step will configure your Multi factor authentication – please enter your previously created data hub username and password (step #3 above) in the fields provided and click **login**.

A screenshot of the 'MFA Portal' login page. The page title is 'MFA Portal' and the NREL logo is in the top right corner. Below the title, there is a 'Login' link. The main content area contains the instruction 'Sign in your Data Hub username and password.' followed by two input fields: 'Username' and 'Password'. Below the password field is a blue 'LOGIN' button and a link for 'Forgot password?'.

11. After entering credentials you'll be provided with a QR code like below. Using the previously downloaded authenticator app, add your account and scan the QR code on your screen.



MFA Portal NREL
Manufacturing and Energy

[Logout](#)

Setup TOTP

Multi-Factor Authentication (MFA) adds a layer of protection to the sign-in process. It is a method in which a user is granted access to a website only after successfully presenting two or more evidence to an authentication process. The USMAP Perovskite DataHub requires a user to use a mobile device to enable MFA.

Example of authenticator apps on mobile phones are:

- Twilio Authy 2-Factor Authentication
- Google Authenticator
- Microsoft Authenticator
- 2FA Authenticator
- any authenticators that can read QR Code

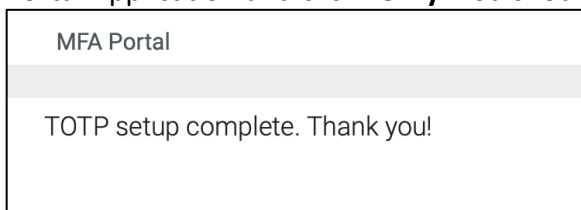
Please complete the following instructions to register and enable your MFA device

- Install an authenticator app that can read QR Code on your phone
- Use your authenticator on mobile device to read the QR Code on this page
- After the QR Code is successfully read, your authenticator will display a passcode for this website
- Click Verify button, you will be asked to enter that passcode and submit it to enable your device for MFA

Code

VERIFY QR CODE

12. After scanning the QR code the app will provide you with an authentication token (a numerical value). Please enter the token value into the **code** box on the NREL MFA Portal Application and click **verify**. You should receive the success message below.

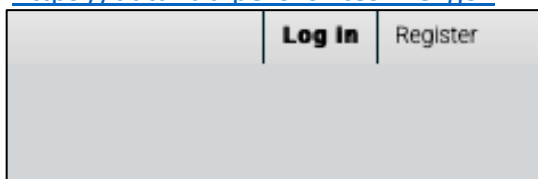


MFA Portal

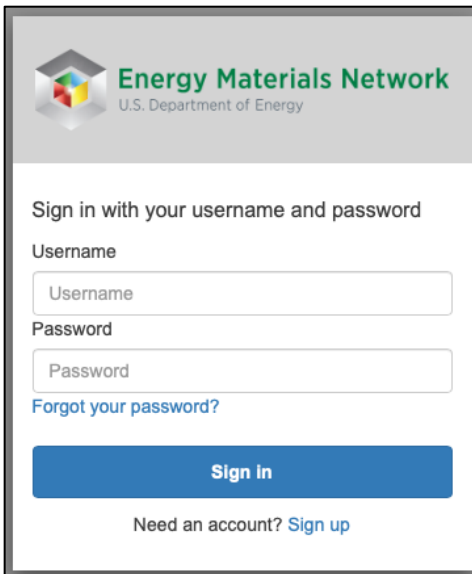
TOTP setup complete. Thank you!


13. Your datahub ID, access user groups, and multi factor authentication should now be configured. Please navigate back to the main data hub page, click **login**, and provide your newly configured ID and PW and click **Sign In**.

<https://datahub-perovskites.nrel.gov>



Log In Register



 **Energy Materials Network**
U.S. Department of Energy

Sign in with your username and password

Username

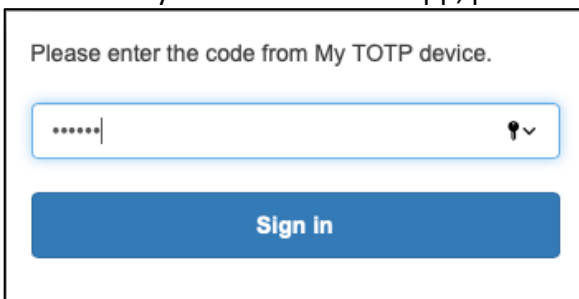
Password

[Forgot your password?](#)

Sign In

Need an account? [Sign up](#)

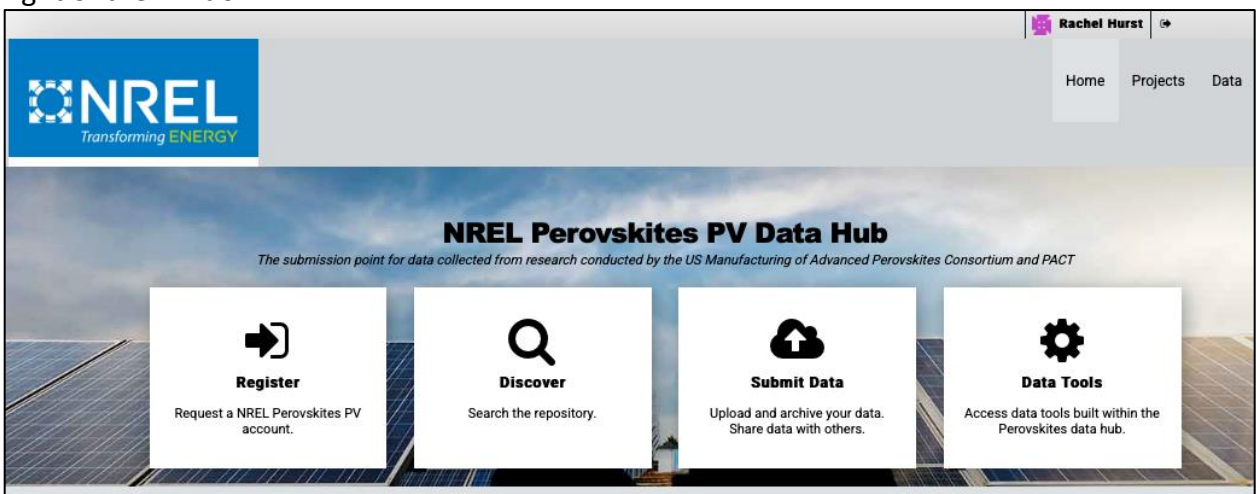
14. At this point you will be prompted for a secondary credential (MFA). Obtain your MFA token from your authenticator app, provide it in the box, and click **Sign In** again.





Please enter the code from My TOTP device.

Sign In

15. You should now be logged into the datahub and be able to see your username at the top right of the window.







 **NREL**
Transforming ENERGY

Rachel Hurst 

Home Projects Data

NREL Perovskites PV Data Hub

The submission point for data collected from research conducted by the US Manufacturing of Advanced Perovskites Consortium and PACT

- 
Register
Request a NREL Perovskites PV account.
- 
Discover
Search the repository.
- 
Submit Data
Upload and archive your data. Share data with others.
- 
Data Tools
Access data tools built within the Perovskites data hub.