

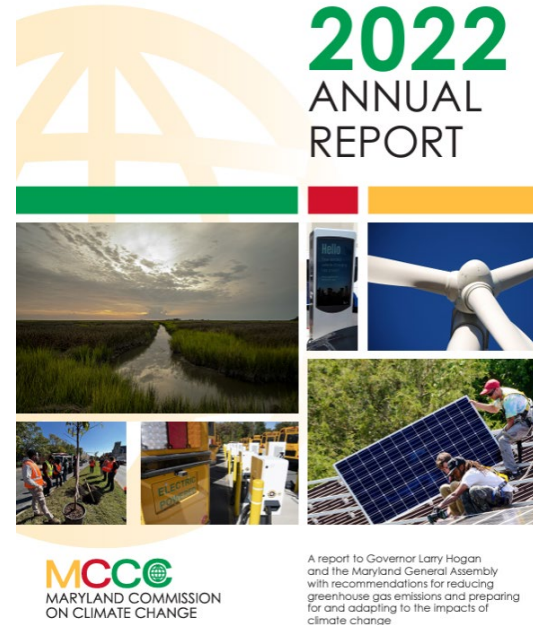


**Presentation to MCCC's  
Education, Communication, Outreach Working Group**

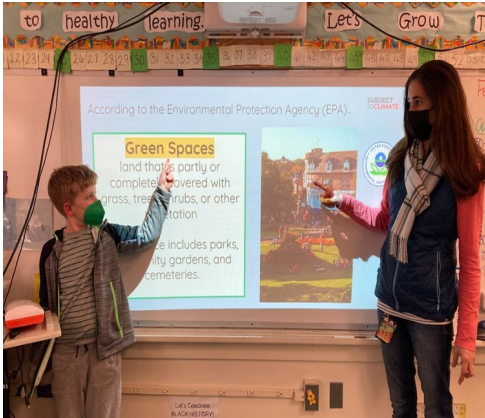
**June 15, 2023**

# The Need

- Maryland Commission on Climate Change’s focus is on “ways to mitigate the causes of, prepare for, and adapt to the consequences of climate change.”
- The ECO group’s 2022 recommendation: develop a statewide climate awareness campaign overseen by ECO.



# The Opportunity



Reduction on individual carbon emissions  
([Cordero, et al., 2020](#))



Influence on parents and community  
([Lawson, et al., 2019](#))



Systems-level Changes  
([NPR, 2022](#))

# The Problem: Why Teachers Don't Teach About Climate Change?



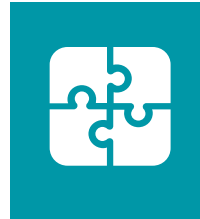
Lack of  
Time



Low Teacher  
Confidence



Concern  
about Resources



Inflexible  
Curriculum

# Solution: SubjectToClimate

Connecting K-12 educators of all subjects to credible and engaging materials on climate change at no cost.

The screenshot shows the SubjectToClimate website interface. At the top left is the logo, which consists of a globe icon and the text "SUBJECTto CLIMATE". To the right of the logo is a search bar with the placeholder text "Search for resources" and a magnifying glass icon. Further right are navigation links: "Explore", "Blog", "About Us", "Donate" (with a heart icon), "Login", and a dark blue "Join" button. Below the navigation is a main banner with the text "Your connector to free climate resources for all K-12 subjects." and a "Demo" button. The banner features a large illustration of a diverse group of people, including adults and children, in a festive outdoor setting with string lights. A white text box on the left side of the banner contains the heading "Summer Fun Activities For Kids" and the text "Looking for exciting and educational activities to keep your kids engaged this summer? Explore SubjectToClimate's comprehensive guide made specifically for parents." Below this text is a dark blue button labeled "Explore Activities". At the bottom of the page, there are four white boxes, each with a circular icon and a label: "Resource Database" (with a book icon), "Lessons by Teachers" (with a magnifying glass over a document icon), "News for Students" (with a globe icon), and "Professional Learning" (with a person reading a book icon).

**SUBJECTto CLIMATE**

Search for resources

Explore Blog About Us Donate Login Join

Your connector to free climate resources for all K-12 subjects. Demo

### Summer Fun Activities For Kids

Looking for exciting and educational activities to keep your kids engaged this summer? Explore SubjectToClimate's comprehensive guide made specifically for parents.

Explore Activities

Resource Database Lessons by Teachers News for Students Professional Learning

# Value Proposition

Overall, we help teachers save time to find the resources that truly work in their classroom-- whether they're a kindergarten art teacher or a high school math teacher.

**85%**

of our users find a resource that they can use in the classroom (Source: HotJar)



Easy-to-use platform



Curated & high quality



Breadth of resources

# Customized State Hubs

Adapting our core platform to regional needs to support statewide climate change education initiatives.

The screenshot shows the homepage of the New Jersey Climate Change Education Hub. At the top, there is a navigation bar with links for Home, Resources, and About Us, along with Register and Login buttons. The main content area features a large graphic of the state of New Jersey composed of various nature-related images. To the right of this graphic is the title "New Jersey Climate Change Education Hub" and a paragraph of introductory text. Below the text is a button labeled "About the NJ Hub". At the bottom of the page, there is a green banner containing four white cards, each with an icon and a title: "Teaching Resources", "Exemplar Lesson Plans", "Professional Learning", and "Guidance for School Boards". Each card includes a brief description and a right-pointing arrow.

Home Resources About Us Register Login

## New Jersey Climate Change Education Hub

The resources you and your school need to effectively teach climate change. These comprehensive resources are built around the official [NJ Student Learning Standards](#) and expand on the work of the New Jersey Department of Education.

[About the NJ Hub](#)

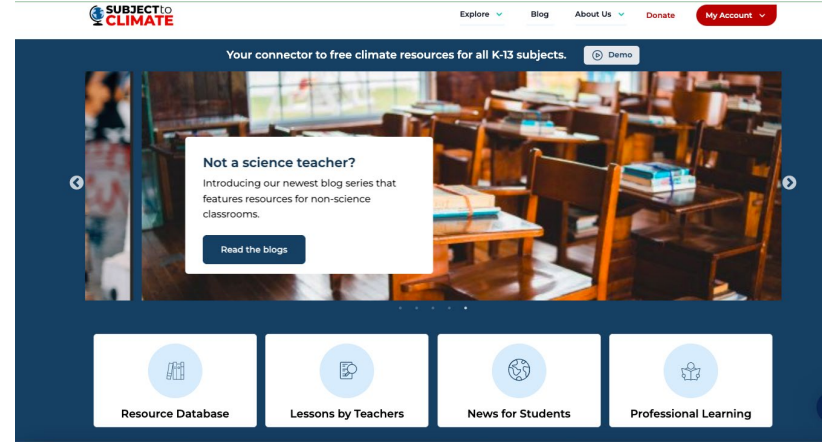
Photos from Dale Rossette, Allison Mulch, Dalton Farms, and NJ Audubon

- Teaching Resources**  
Search our database by filtering by subject, NJ Student Learning Standards, and more.
- Exemplar Lesson Plans**  
Browse NJ-centric lesson plans that have been created by teachers, for teachers.
- Professional Learning**  
Find learning opportunities for curriculum support or basic knowledge about climate change.
- Guidance for School Boards**  
Find learning opportunities for curriculum support or basic knowledge about climate change.

# Customized Maryland Hub

## Landing Page

- In addition to your URL (e.g. [www.njclimateeducation.org](http://www.njclimateeducation.org)), we will design a unique landing page.
- Your landing page could look similar to SubjectToClimate's regular landing page, or it can be customized to highlight the resources most pertinent to climate change education in Maryland.
- The landing page could also include information specific to Maryland and collaborating organizations on this project.



*SubjectToClimate's  
Landing Page*

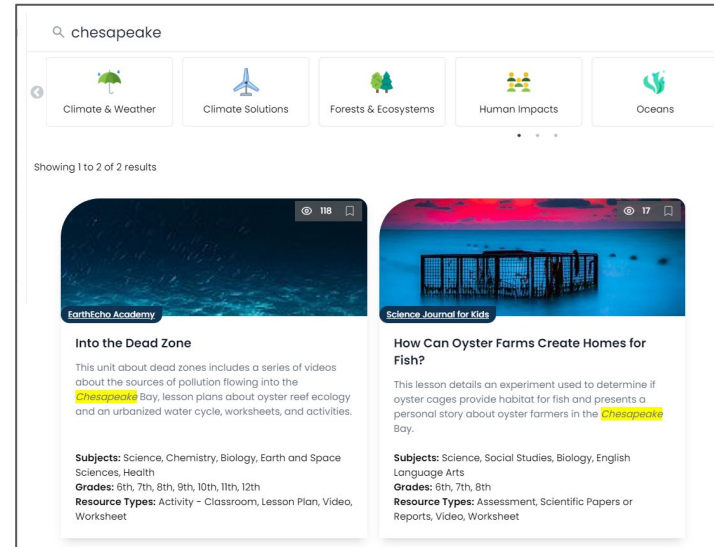


# Customized Maryland Hub

## Resource Database

In addition to our 2,000+ (and growing) vetted resources with teaching tips, we will:

- Align all the resources to Maryland State Standards
- Identify Maryland-centric resources and add them to the customized regional hub.
- Continue to ensure all content is evaluated by our scientists and educators and meets our resource selection criteria.



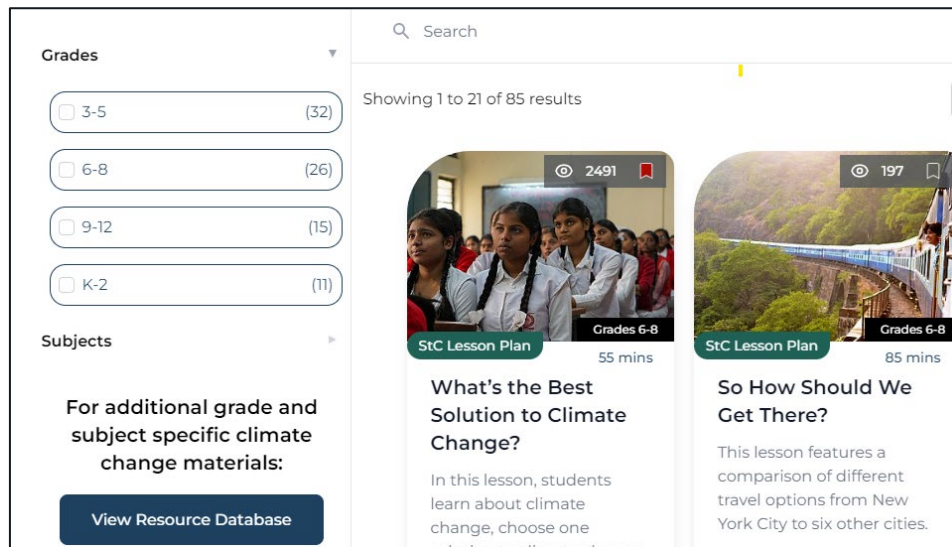
*Example Regional Resources  
from SubjectToClimate's  
Database*

# Customized Maryland Hub

## Exemplar Lesson Plans

In the regional hub, educators can also get access to:

- Exemplar lesson plans written by educators across every grade level and subject to give regional educators a model of how to integrate climate change into their curriculum.
- These lesson plans that have been reviewed through a [verified rubric](#) to ensure they are inclusive of SEL, climate action, and justice among other criteria.
- SubjectToClimate training can be utilized to train educators on how to develop similar exemplar lesson plans and create the first wave of regional-centric lessons for the site.



The screenshot displays the SubjectToClimate search interface. On the left, there are filters for 'Grades' (3-5, 6-8, 9-12, K-2) and 'Subjects'. A search bar at the top right contains the text 'Search'. Below the filters, it says 'Showing 1 to 21 of 85 results'. Two lesson plan cards are visible:

- Lesson Plan 1:** 'What's the Best Solution to Climate Change?' by Grades 6-8, 55 mins. The description states: 'In this lesson, students learn about climate change, choose one...'
- Lesson Plan 2:** 'So How Should We Get There?' by Grades 6-8, 85 mins. The description states: 'This lesson features a comparison of different travel options from New York City to six other cities.'

At the bottom left of the search results area, there is a button that says 'View Resource Database'.

*Example Lesson Plans*

# Customized Maryland Hub

## Professional Learning Database

In addition to the 30+ professional learning opportunities we have selected, we will:

- Identify professional learning opportunities in Maryland.
- Integrate any other professional development resources that are recommended to us by Maryland educational groups.

SubjectToClimate has also developed a three-stage training program (see next slide)

The screenshot displays a web interface for a professional learning database. On the left, there are filter menus for 'Opportunity Type', 'Topics', and 'Format & Location'. The 'Opportunity Type' menu includes: Conference (1), Course (10), Guide (15), Webinar (4), and Workshop (1). The 'Topics' menu includes: Climate Change Basics (14) and Teaching Methods (25). The 'Format & Location' menu includes: In Person (3) with sub-options for Central Jersey (1), Jersey Shore (1), North Jersey (1), and South Jersey (1); Online: Asynchronous (26); and Online: Synchronous (6). A search bar is located at the top right. The main content area shows 'Showing 16 to 30 of 33 results' and a pagination control with page numbers 1, 2, and 3. Three result cards are visible: 1. 'MIT Environmental Solutions Initiative' with a hand holding a globe image and a description of an interactive course on climate change. 2. 'New Jersey Audubon' with an image of an apple on books and a description of curriculum development for grade bands K-2, 3-5, MS, and HS. 3. 'CLEAN' with an image of a classroom and a description of a guide for Earth Systems Investigations (ESIs).

Example NJ-Centric PLOs

# Customized Maryland Hub

## Professional Development and Teacher Training

We also provide high-quality professional development to educators and the ability to track progress through our following modules:

	Training	Time	Format	Learning Objectives
<b>Level 0</b>	Understanding Climate Change	3-4 hours	Asynchronous	Get an overview on climate change by learning about climate change sciences, history, media, and more.
<b>Level 1</b>	Teaching About Climate Change	5-6 hours	Asynchronous	Explore examples of how to teach about climate change in their subject and ways to incorporate environmental justice.
<b>Level 2</b>	Developing Climate Change Lessons	Asynchronous: 4 hours  Synchronous: Varies based on district needs	Asynchronous or Hybrid	Create exemplar climate change lessons aligned to your district's standards using a custom lesson rubric with opportunity to publish to Maryland's Hub.  <i>See <a href="#">appendix</a> for the lesson plan creation process.</i>

# Customized Maryland Hub

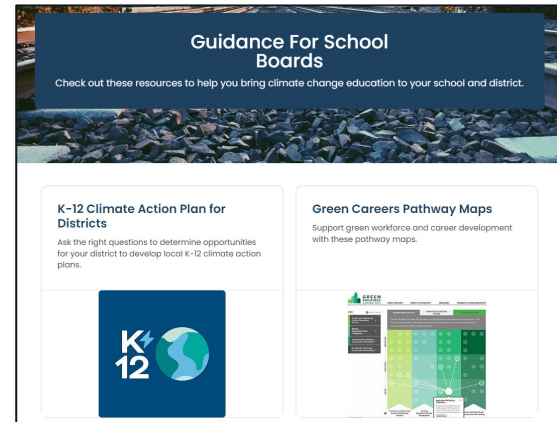
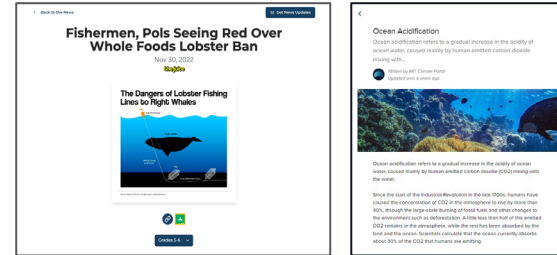
## Other Resources

- **News for Students:**

- Teachers can easily integrate up-to-date and relevant information on climate change into their classroom by assigning our news articles directly to their students.
- Articles can be adjusted to different reading levels with vocabulary definitions and a quick formative assessment so that all students can access the content.
- Related resources are provided so that teachers can further teach about the current event.

- **ClimateSocrates:** Partnering with MIT Environmental Solutions Initiative, we've established an interactive help center.

- **Guidance for School Boards:** We also have resources to support school board members and administrators.





# Appendix

# Appendix: New Jersey

- In June 2020, [New Jersey became the first state to require climate change education](#) across all grade levels and subjects in public K-12 schools.
- SubjectToClimate joined the NJ Climate Change Education Initiative to create a NJ version of our core platform ([NJ Climate Change Education Hub](#)) in order to support educators in their effort to teach the new climate change education standards.
- Read about the release of our NJ hub in our [New Jersey Case Study](#), as well as this [press release](#) and this [Washington Post article](#).



NEW JERSEY  
AUDUBON



# Appendix: Press, Media, and Awards



May 2022  
[Finalist in the Keeling  
Curve Prize](#)



Sept 2022  
[Exhibited in  
California's convening](#)



Sept 2022  
[Admitted to Stealth  
Program](#)



Sept 2022  
[Article about the NJ Hub](#)



Sept 2022  
[Publish Case Study,  
regarding NJ Hub](#)



Sept 2022  
[Article about the NJ Hub](#)



# Appendix: Press, Media, and Awards



Nov 2022

[Interview about NJ Hub](#)



Nov 2022

[Article about the NJ Hub](#)



Dec 2022

[Article with StC Mention](#)



Jan 2023

[Article about StC](#)

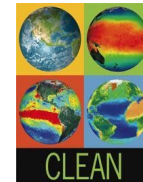


Jan 2023

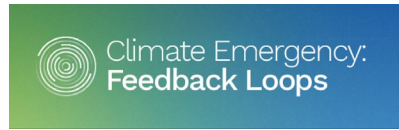
[Article about StC](#)

# Appendix: Our Partners

StC is appreciative of our partnership with 70+ content partners.



# Appendix: Our Partners



# Appendix: Our Partners



**ECOSIA**



**GLOBAL  
FOREST  
WATCH**

global  
oneness  
project



**Green Teacher**  
Non-profit magazine, books and webinars



 COLUMBIA CLIMATE SCHOOL  
INTERNATIONAL RESEARCH INSTITUTE  
FOR CLIMATE AND SOCIETY



# Appendix: Our Partners



# Appendix: Our Partners



# Appendix: Our Partners



Shelburne Farms  
**Institute for  
Sustainable  
Schools**



**TERC**

**UCI** Science  
Project



**WORLDWIDE  
CLIMATE JUSTICE  
TEACH-IN**

**World101**  
From the Council on Foreign Relations



... and more.





Any questions? Contact  
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