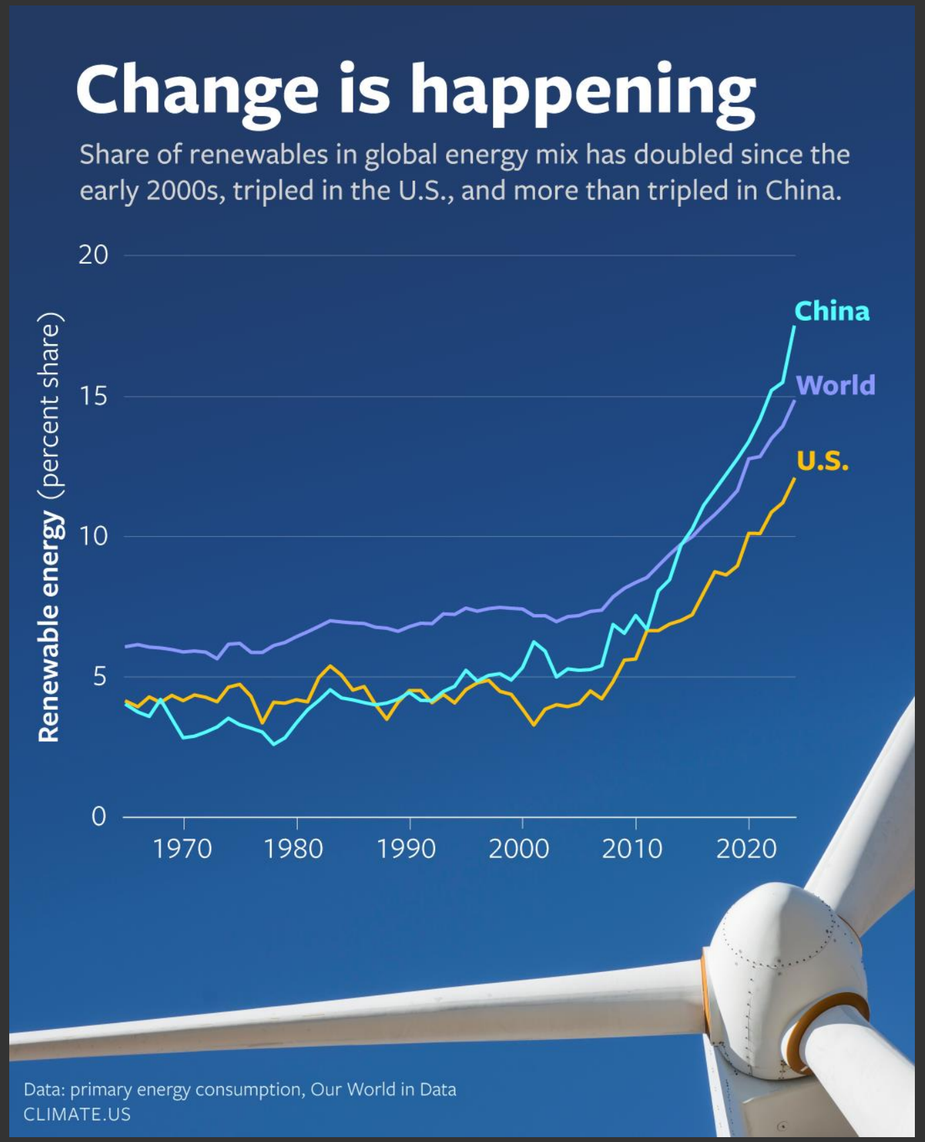

Climate.us
formerly Climate.gov

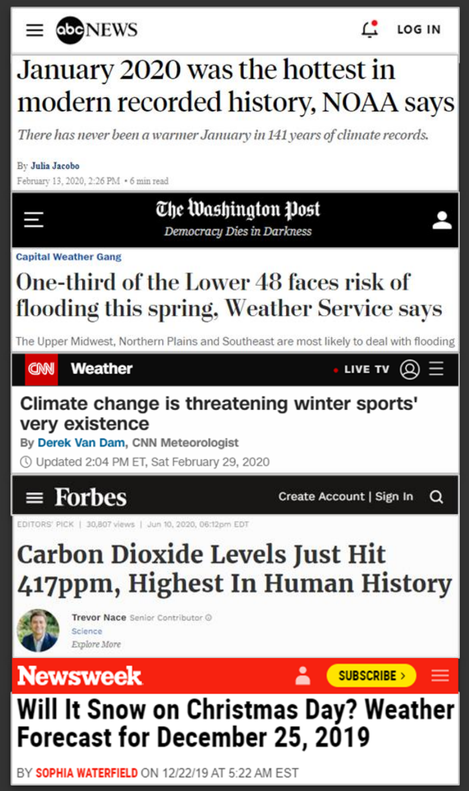
Why climate literacy matters

Climate touches everything; climate questions show up everywhere.

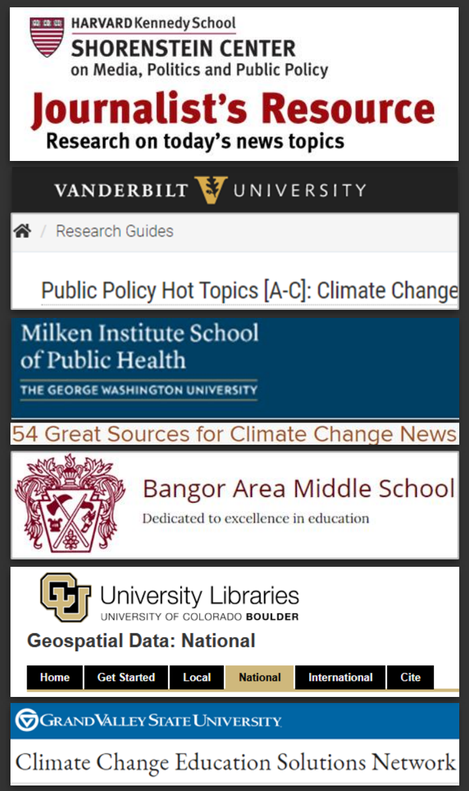


Why do government science sites matter to climate literacy?

media



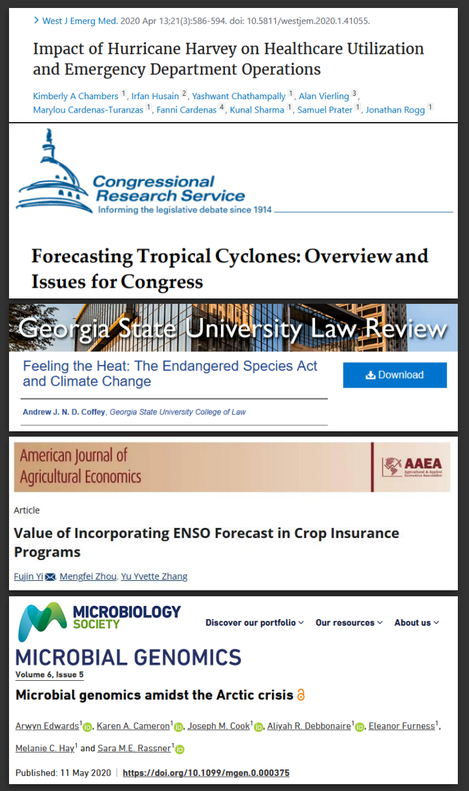
schools & libraries



non-federal governments

industry

scientists & researchers



All examples of Climate.gov content re-use

For 15 years, Climate.gov was the front door to NOAA climate science for the American public

Educators, journalists, city and tribal planners, congressional staff, and industry decision-makers all relied on it.

1M+

visits every month

500K+

social media followers

#1

Google result for “climate” in the U.S. (late 2024)

Government-wide removal of climate information

Science

SCIENCEINSIDER | CLIMATE

Science teachers scramble as U.S. climate resources vanish

As government websites go dark, some nonprofits are trying to fill the void

3 OCT 2025 • 11:05 AM ET • BY GAEA CABICO

E&E NEWS PM

Gift article

Lawsuit targets USDA purge of climate websites

The removals come as the agency faces widespread layoffs and funding freezes.

BY: PAMELA KING | 02/24/2025 04:08 PM EST

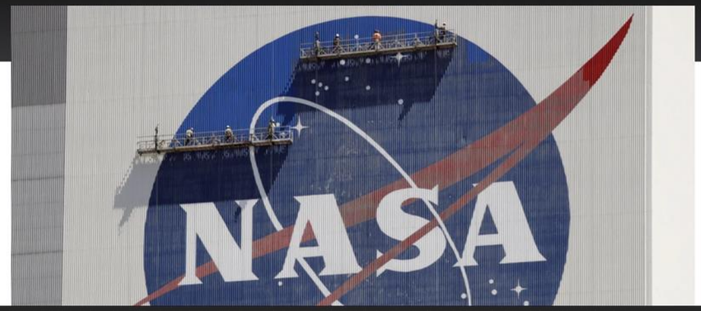
AP

WORLD U.S. POLITICS SPORTS ENTERTAINMENT BUSINESS SCIENCE FACT CHECK ODDITIES MORE

Rob Reiner death | LIVE Trump administration | Steve Taneyhill dies at 52 | Brian Walshe | Hunter Biden disbarred

CLIMATE

Trump administration says it won't publish major climate change reports on NASA website as promised



CNN Climate Solutions Weather NEW Watch Subscribe Sign in

CLIMATE • 5 MIN READ

Trump EPA proposes revoking pollution limits based in part on document authored by 5 climate contrarians

UPDATED JUL 29, 2025

By Ella Nilsen, Andrew Freedman

CNN Climate Solutions Weather NEW Watch Subscribe Sign in

CLIMATE • 3 MIN READ

Energy chief suggests Trump administration is altering previously published climate reports

UPDATED AUG 7, 2025

By Ella Nilsen

Climate.us

formerly Climate.gov

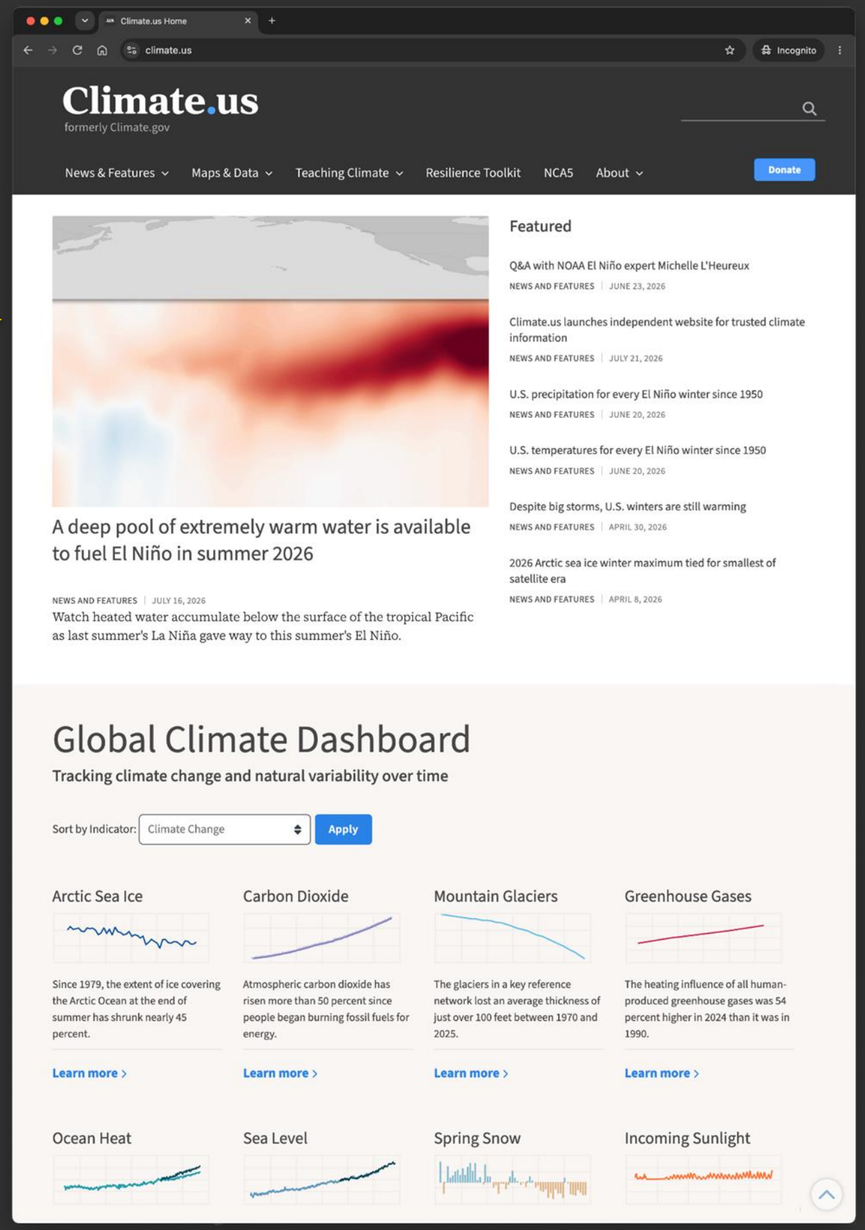
An independent, nonprofit successor to Climate.gov — built by the people who ran it.

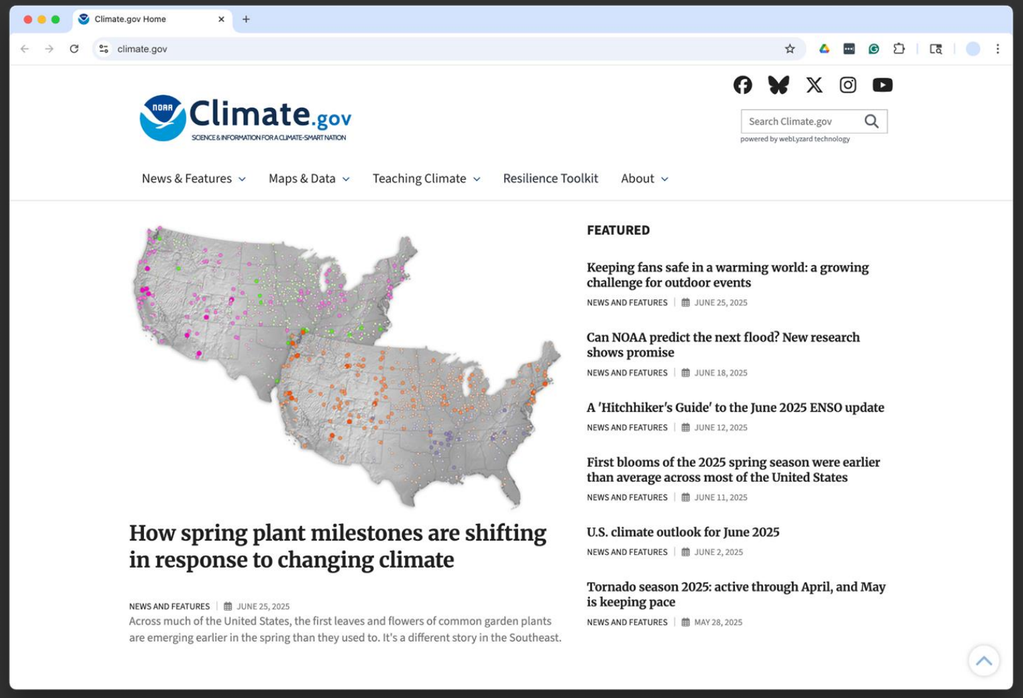
- Launched August 2025, funded through a public crowdsourcing campaign
- Outside any federal domain — editorially reviewed by scientists, not political appointees
- Mission: keep the public, educators, the media, and decision-makers supplied with trustworthy, science-based climate information

Accurate. Accessible. Science-reviewed. Useful.

Reboot of Climate.gov as Climate.us

launched in June 2026

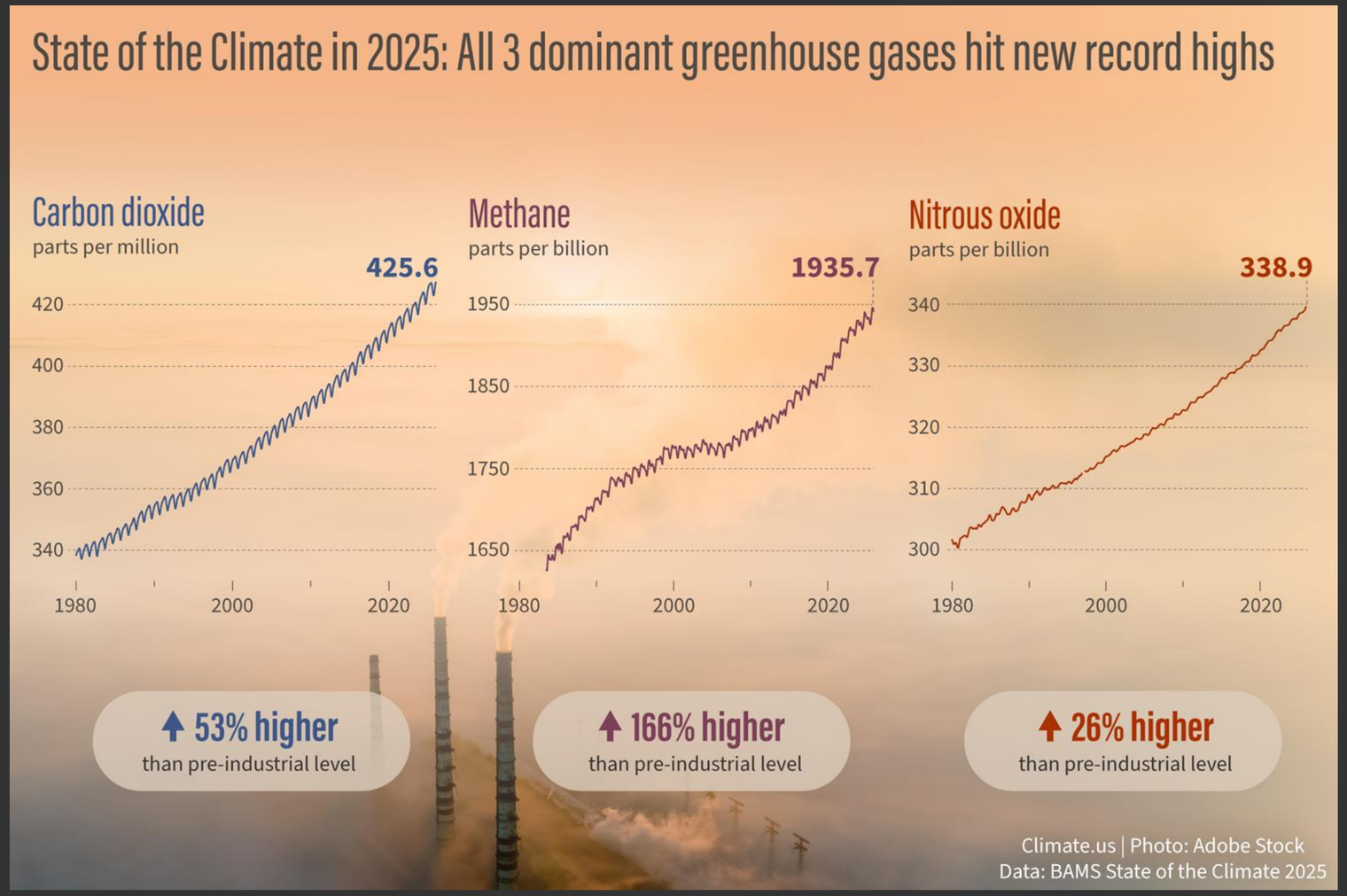




last updated in May 2025

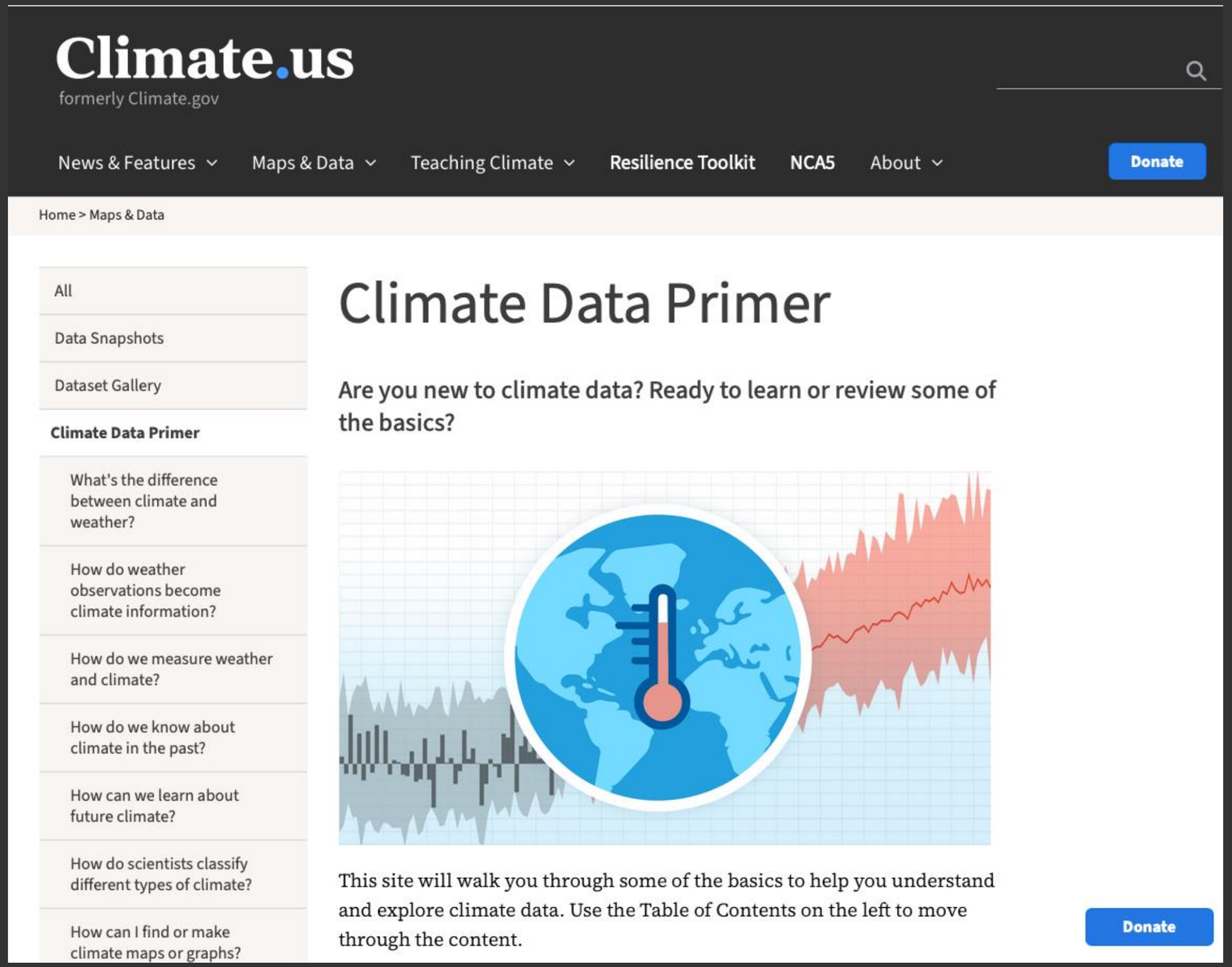
News & Features

Explainers, features, blogs, cartoons, magazine-style writing & graphics



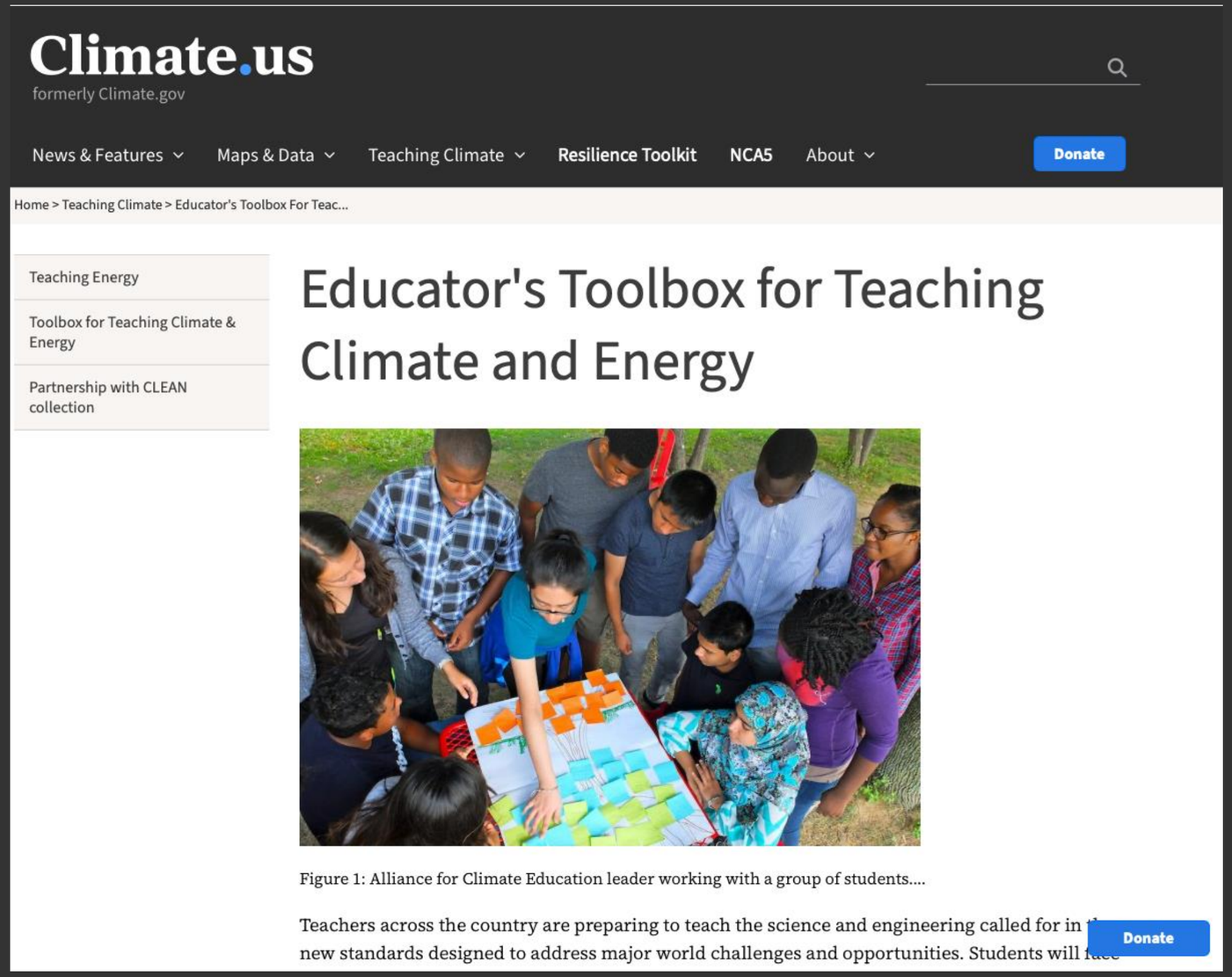
Maps & Data

Plain-language data descriptions, a primer on understanding climate data, guided pathways to frequently requested maps and data



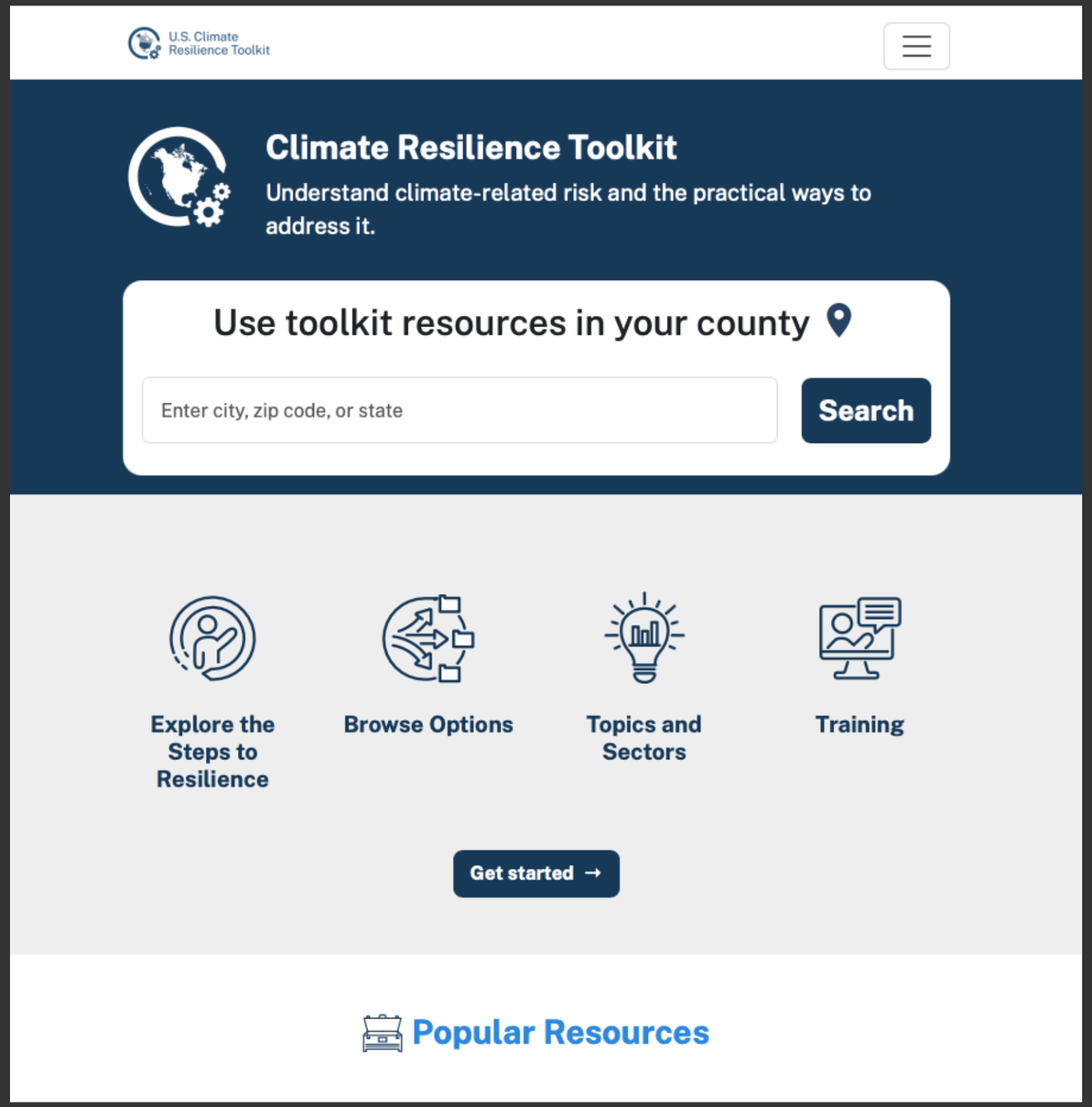
Teaching climate

classroom activities, multimedia, and climate and energy literacy guides



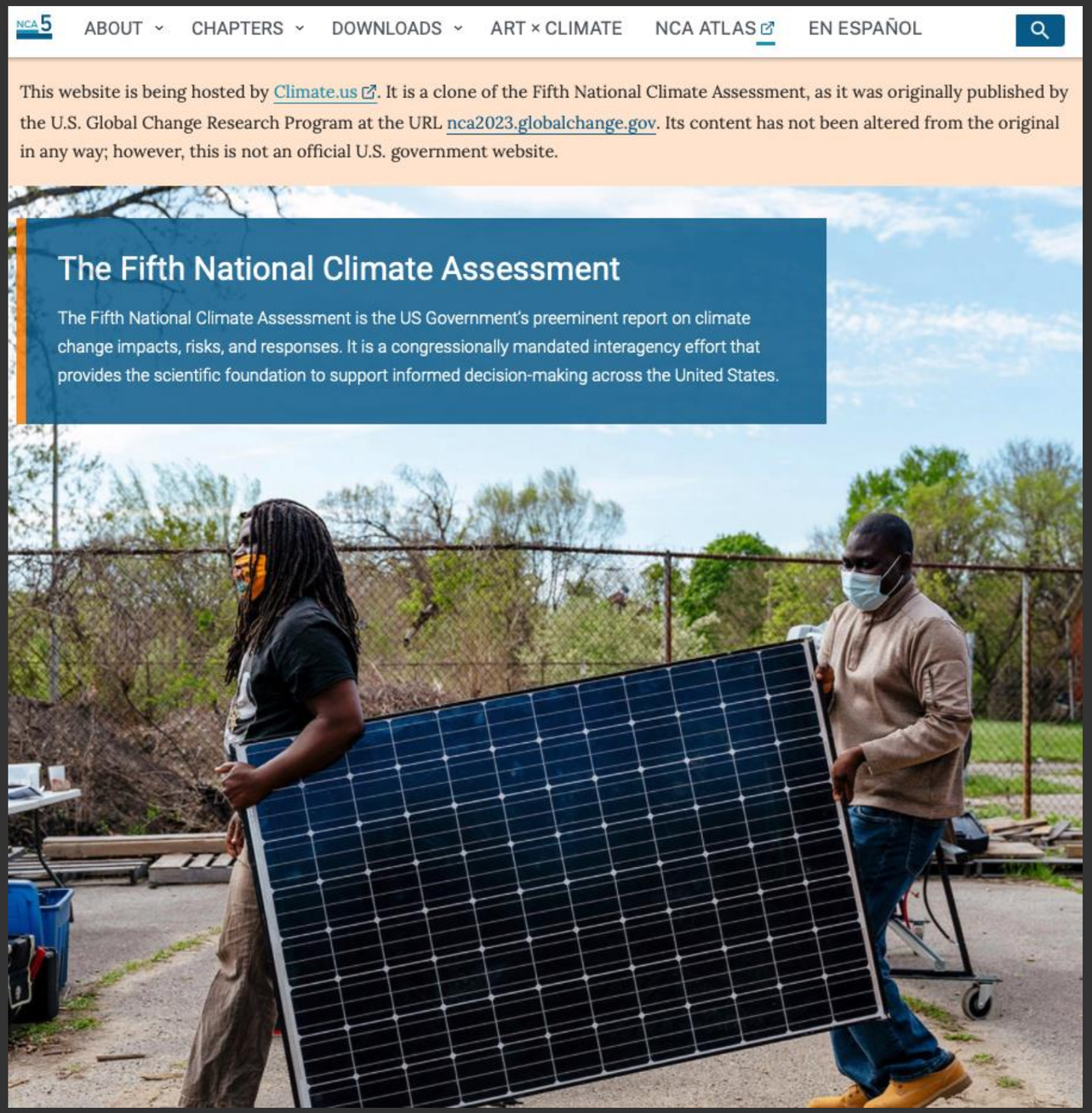
Resilience toolkit

external link to our former “sister site” still at NOAA.



NCA5

an unaltered clone of 2023's Fifth National Climate Assessment, the most recent of the congressionally mandated reports from the USGCRP



How you can help

There are some ways you can help Climate.us grow and succeed.

Cite and link our data

Use our maps, explainers, and figures in briefs, reports, and public comment — all sourced and vetted by scientists.

Point constituents and press to us

When a reporter or community member needs a trustworthy, apolitical answer, we're built to be that answer.

Introduce us to new people

Tell people you meet about us and introduce us to those who want to know more about climate change science. You’re all natural connectors!

Share stories

Do you have an interesting climate data point? Do you think you have a good story from your organization, state, or region? We’d love to hear about it.

Climate.us

formerly Climate.gov

info@climate.us · climate.us

U.S. Climate Resilience Toolkit

Understanding Weather Data and Library Disaster Preparedness

Presented by: Ashlyn Shore Dunsworth

September 22, 2026

UNC Asheville

NEMAC
National Environmental Mapping & Applications Center

Agenda

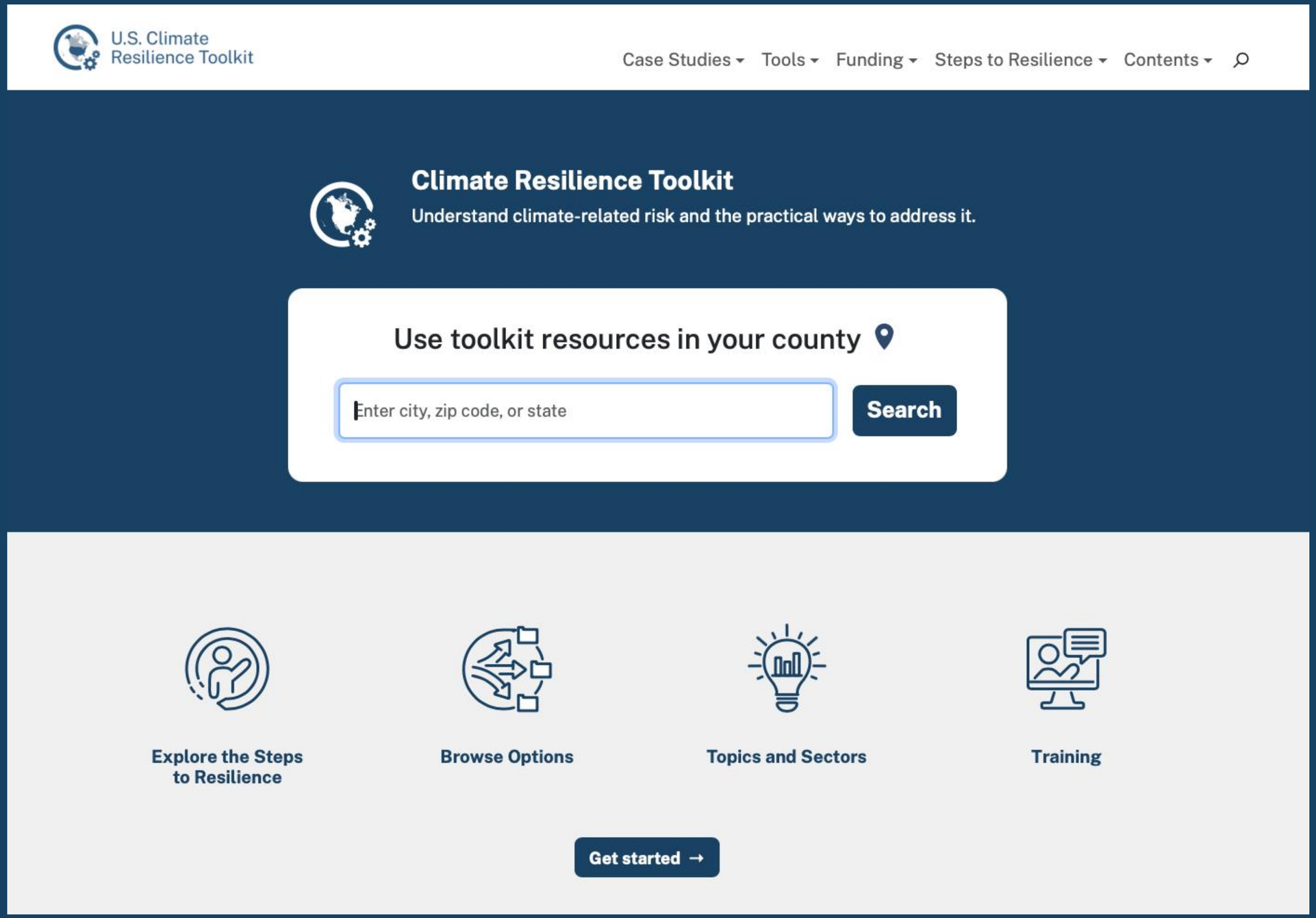
01 Who We Are

02 Where We Began

03 What We've Created

04 How We're Evolving

The Toolkit Team



toolkit.climate.gov

Key Site Components

Case Studies

Options Database

Tools

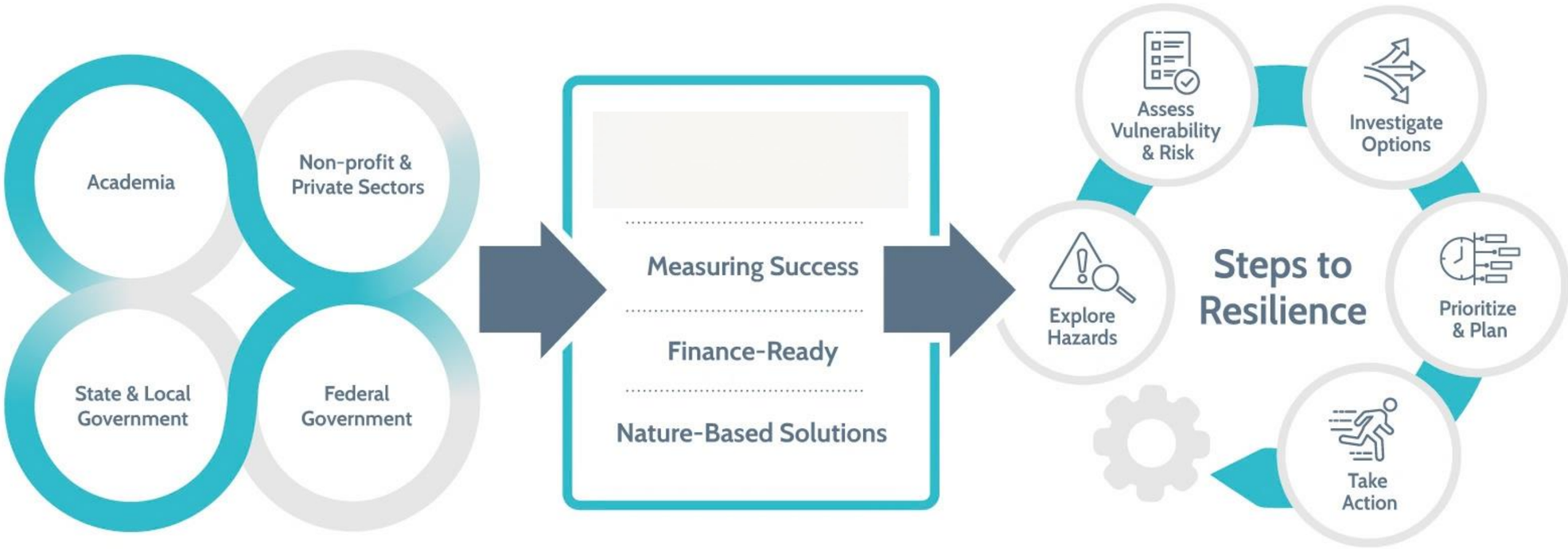
Registry

Training

Help Desk

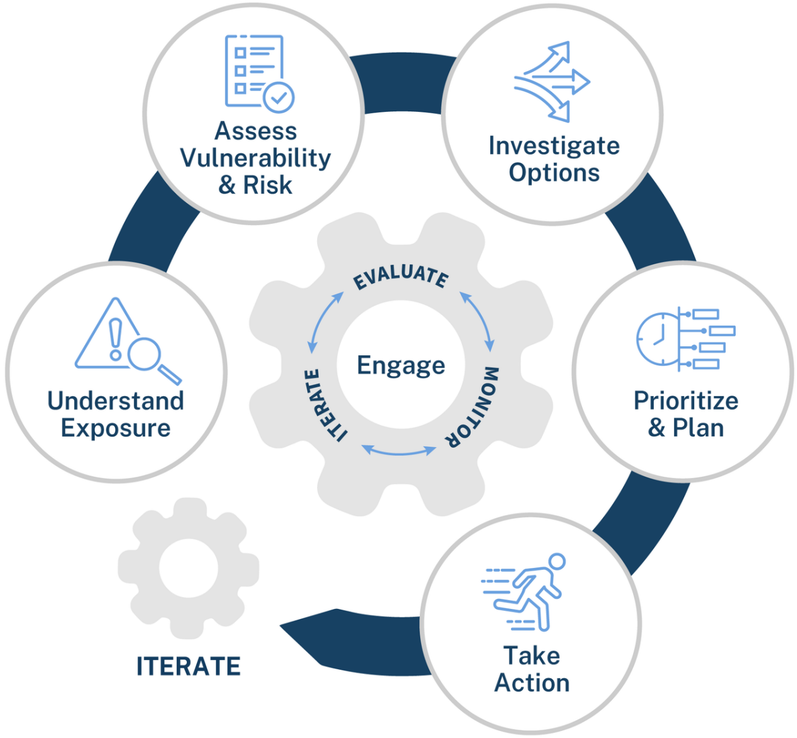
Community-Driven Resilience

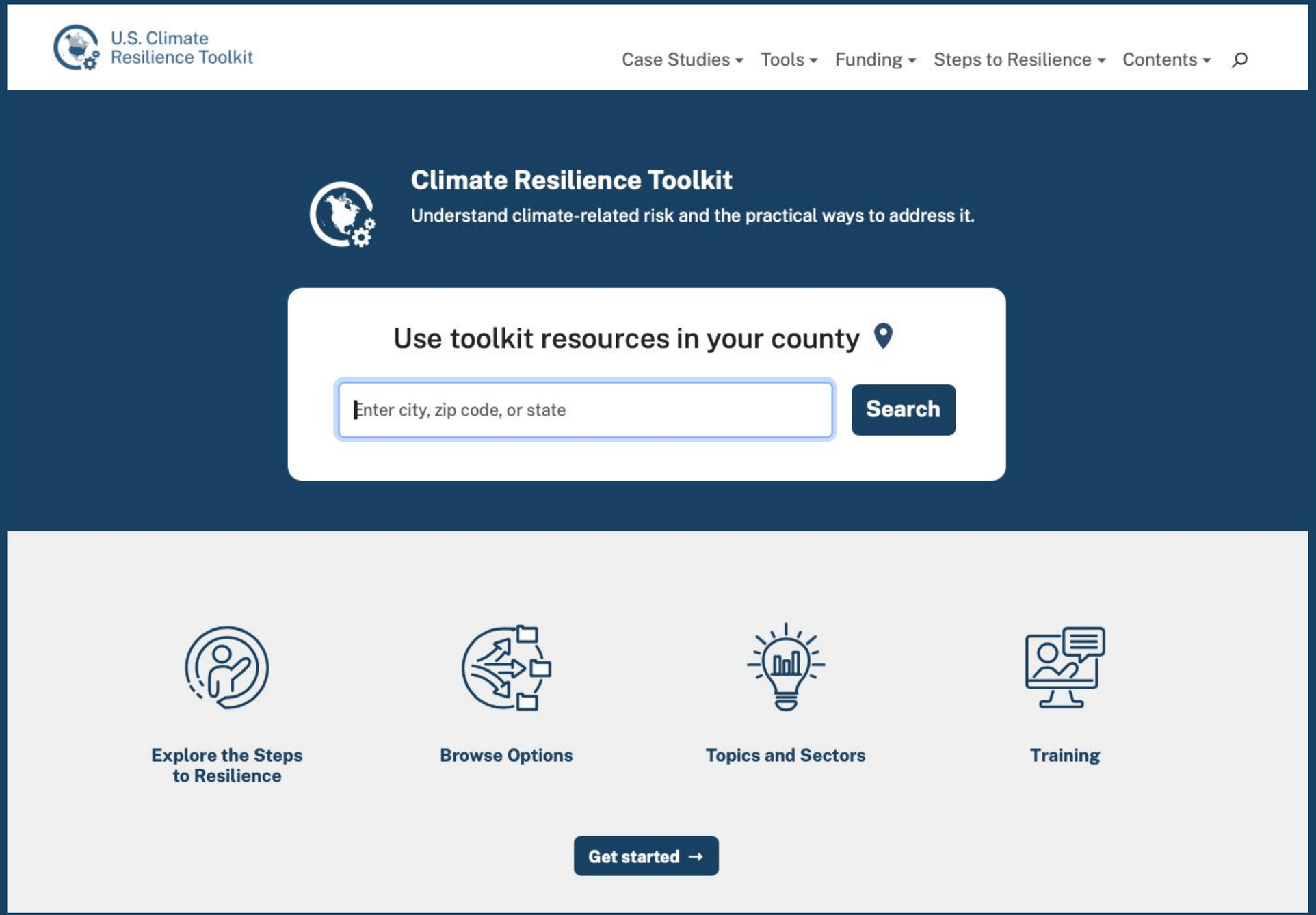
- Practical actionable solutions over abstract concepts
- Bottom-up approach that shapes every aspect of our work
- Most valuable research emerges from real-world implementation and community feedback



Steps to Resilience

- Iterative process
- Born from adaptation practice in Southeast
- Tools are more valuable when people know how and why to use them





toolkit.climate.gov

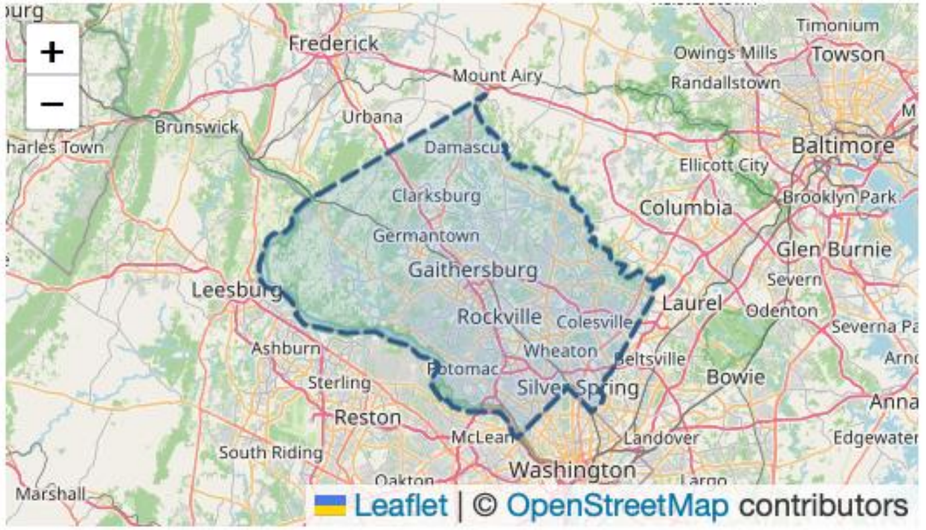
You selected an area in Montgomery County

Your area is experiencing climate change. Climate projections can inform your resilience journey.

Models estimate **17.6 days per year** when the highest temperature exceeded 90°F between 1951 and 1980.

With a **major effort** to limit heat-trapping gases, models suggest warmer temperatures would lead to:

38	54.9	66.1
days per year from 2011 to 2040	days per year from 2041 to 2070	days per year from 2071 to 2100



To evaluate climate projections for Montgomery County, click the button.

Go to tool

Where data are available, the interactive tool below filters Toolkit resources based on climate-related hazards that have historically impacted your county. You may refine the selection of hazards and assets that particularly interest you.

Toolkit Resources

Climate-related hazards of concern

Drought × Extreme Cold × Landslides × Extreme Heat ×

+ add hazards

What community assets are you concerned about?

Critical Facilities × Cultural and Community Services × People ×

+ add assets

Filter Toolkit based on hazards and assets listed above

Hazards

A hazard is an event or condition that may cause injury, illness, or death to people or damage to assets. Both climate and non-climate-related stressors can exacerbate hazards.

Air Quality
Changing Seasons
Drought
Erosion and Shoreline Recession
Extreme Cold
Extreme Heat
Flooding – Coastal
Flooding – General
Flooding – Rainfall-induced
High Winds
Landslides
Multiple or All Hazards
Severe Winter Weather
Shifting Species, Habitats, and Ecosystems
Vector-Borne Disease
Water Quality
Wildfire

People & Community Assets

Assets are the tangible and intangible things groups or communities value; they include all the things that a group owns or controls with the expectation that it will provide a future benefit.

Agriculture and Food Supply
Aquatic and Marine Resources
Critical Facilities
Cultural & Community Services
Economy
Energy and Utilities
Forestry
Multiple or All Assets
Natural Areas and Wildlife
People
Property
Transportation and Mobility
Urban Landscape and Tree Canopy
Water Infrastructure – Drinking Water
Water Infrastructure – General
Water Infrastructure – Stormwater
Water Infrastructure – Wastewater

Case Studies

16 - 30 of 386 results for Case Studies & Action Plans

View Map Results →

Sort by

Publication Date

Search for Case Studies

Hazards

- Air Quality
- Changing Seasons
- Drought
- Erosion and Shoreline Recession
- Extreme Cold
- Extreme Heat
- Flooding – Coastal
- Flooding – General
- Flooding – Rainfall-induced
- High Winds
- Landslides
- Multiple or All Hazards
- Severe Winter Weather
- Shifting Species, Habitats, and Ecosystems
- Vector-Borne Disease
- Water Quality
- Wildfire

Assets

Regions

Step

Action Types

Action Plans

Clear all filters

New Jersey Energy Master Plan

Guam's Priority Climate Action Plan

State of Alaska Priority Sustainable Energy Action Plan

Community Nonprofits Leverage their Collective Experience to Create a Green Jobs Workforce

Recertifying Utility Workers in a Small, Remote Community

Wood for Life, a Collaborative Partnership to Provide Wood to the Navajo Nation and Hopi Tribe

Thinning, Prescribed Fire, and Managing Wildfire for Resource Benefit Reduces Severity of the Midnight Fire

Teaching Water-Wise Landscape Design to Conserve Water in the Intermountain West

Prescribed Burning on the Old Woman Plateau

Tidal Marsh and Dune Restoration on Prime Hook National Wildlife Refuge

The New Earth Project Pilot: Climate Change Mitigation Through Food Waste Reduction

Salt Marsh Habitat Restoration on Parker River National Wildlife Refuge

toolkit.climate.gov/case-study

Tools & Data

Looking for climate data? Need information to compile a Climate Vulnerability Assessment or Adaptation Plan?

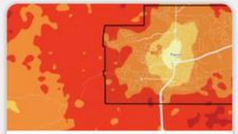
Use the search field or filters on the left to explore our catalog of digital tools for building climate resilience.

Featured

Options Database

Climate Mapping for Resilience and Adaptation (CMRA)

Sea Level Rise Viewer



Wildfire Risk to Communities

1 - 15 of 522 results for Tools

Search tools

Hazards

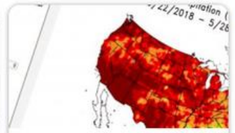
- Air Quality
- Changing Seasons
- Drought
- Erosion and Shoreline Recession
- Extreme Cold
- Extreme Heat
- Flooding – Coastal
- Flooding – General
- Flooding – Rainfall-induced
- High Winds
- Landslides
- Multiple or All Hazards
- Severe Winter Weather
- Shifting Species, Habitats, and Ecosystems
- Vector-Borne Disease
- Water Quality
- Wildfire

Assets

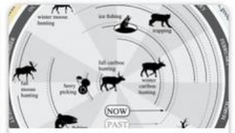
Topics & Sectors

Step

About Heat and Your Health



ACIS Climate Maps



Adapt Alaska

Adaptation Clearinghouse

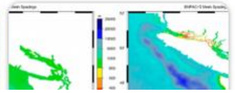
Adaptation Resources for Agriculture

Adapting Stormwater Management for Coastal Floods

Adaptation Tool Kit: Sea-Level Rise and Coastal Land Use

Adaptation Workbook

Adaptation Workbook - Explore Climate Impacts Map



toolkit.climate.gov/tool

Options Database

Explore more than a thousand resilience-building solutions considered by other communities. Each option is tied to specific hazards and assets, compiled from recent climate adaptation and resilience plans published in the United States.

Download CSV →

Search for options

Hazards

Assets

Action Types

- Adaptive Capacity of Buildings
- Adaptive Capacity of Workforce, Staffing, Training
- Armoring, harden, retrofits and revetments
- Building Codes
- Buyouts
- Communications
- Community Engagement
- Community Resources, Transformative Strategies, Resilience Hubs
- Data Collection, Analysis, Research, Assess Vulnerability & Risk
- Design and alternative designs
- Early warning
- Economic Development
- Education
- Elevate Roads
- Emergency Management
- Enhance Bridges & structures
- Enhance Pavement
- Financing & Incentives
- Flood barriers, dams, and levees
- Food Security
- Funding
- Governance Capacity

1-20 of 1202 results for Options

Option	Hazards	Assets
A 10-month "earn and learn" workforce development program created in June 2022 that provides young adults ages 18-30 with training, career readiness support, college credits and certifications, and connections to employers in the green industry. Participants get access to various support services and benefits, such as a T pass and job placement assistance.	Multiple or All Hazards	Water Infrastructure – Stormwater
In 2025, the modeling estimates that hundreds of additional clean energy positions may be required to achieve this level of clean energy activity. Coordinated efforts on workforce development between relevant City offices and departments, technical training programs, and employers could help grow a sustainable market for these services, producing long-term, stable employment and opportunities for new businesses and growth.	Multiple or All Hazards	Economy
By 2027, explore the development of a green workforce strategy and funding opportunities to integrate green career pathways into pre-apprenticeship and other workforce training programs, with a focus on ensuring that workers — especially those from disadvantaged communities — are trained, reskilled, and certified to participate in the green economy.	Multiple or All Hazards	People
By 2027, report on current efforts to support clean energy installers participating in City-funded incentive programs that engage in workforce development, and evaluate how to improve.	Multiple or All Hazards	People
By 2028, develop policies, programs, and partnerships to expand and cultivate regional building material reuse markets that support workforce development, small business enterprises, and entrepreneurial innovation.	Multiple or All Hazards	Economy
25 leaders from across County Government participated in a six session learning series focused on gaining knowledge and tools to foster more inclusive, just, and effective community engagement practices. The county plans to train 25 frontline community leaders to learn about the impacts of climate change in their communities.	Multiple or All Hazards	People
Accelerate adoption of distributed renewable energy systems, electrification and microgrids.	Extreme Heat	Energy and Utilities

toolkit.climate.gov/option

Help Desk

Find technical resources and search FAQs about climate adaptation.

Don't see what you need? Submit a question here.

Search Help Desk content

Search

- Climate as a Stressor
- Vulnerability and Risk
- Adaptation Strategies
- Adaptation Plans & Process
- Implementing Adaptation Actions
- Assessing Effectiveness
- Facilitating Community Engagement
- Prioritizing Nature-based Solutions
- Financing Adaptation

Ask a Question

Ask a question or leave a comment below and we will be in touch, or click here to explore a list of questions others have asked.

Question *

Name (First Last) *

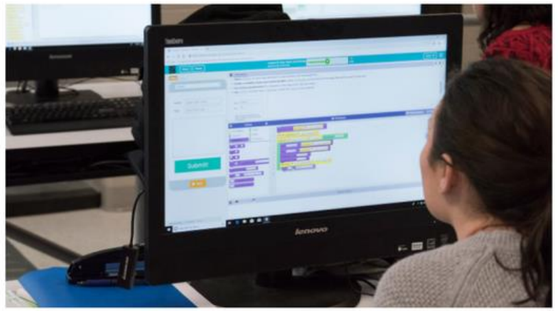
Email Address *

Clear form

Submit

Do not submit passwords through this form. Report malicious form

toolkit.climate.gov/help-desk



Trainings & Courses

Discover a range of trainings and webinars designed to equip you with the necessary tools, skills, and knowledge you need to effectively manage your climate-related risks, explore your options, and identify opportunities. Explore our catalog of external federal trainings and webinars, categorized by the specific climate hazards you are face or assets you are trying to protect.

Featured Courses

Steps to Resilience Training

Climate 101: Science, Impacts, and Society

Online Training for Water Utilities—WUCA

Digital Coast Academy

1-15 of 94 results for Trainings & Courses

Search Courses & Trainings

Step

- Get Started
- Understand Exposure
- Assess Vulnerability & Risk
- Investigate Options
- Prioritize & Plan
- Take Action

Type of Training

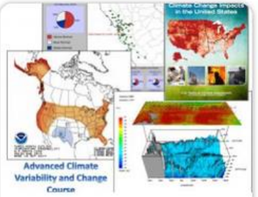
Length

Regions

Clear all filters

Adaptation Planning for Coastal Communities

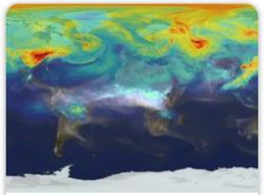
Adapting Stormwater Management for Coastal Floods



Advanced Climate Variability and Change Course

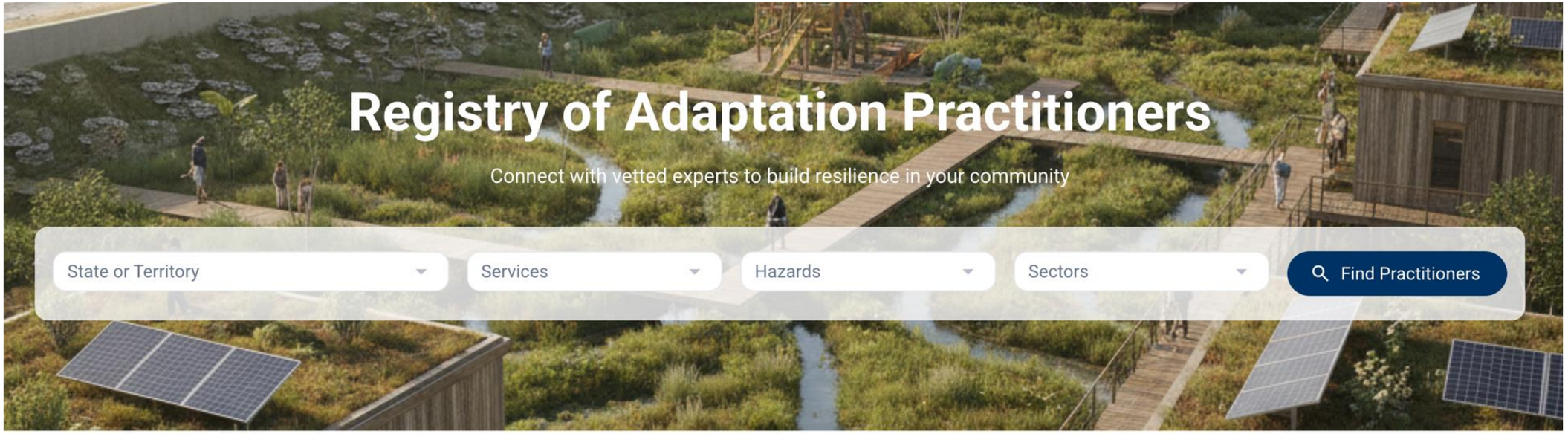
Applications of Carbon Dioxide Measurements for Climate-Related Studies

Asset Management 101



Atmospheric CO2 and CH4 Budgets to Support the Global Stocktake

toolkit.climate.gov/training



Browse all 268 practitioners

A simple, streamlined process to connect you with the expertise you need.

Browse All Practitioners

How the Registry Works

Search and Filter

Use our guided search to find practitioners with the right expertise and focus for your needs.

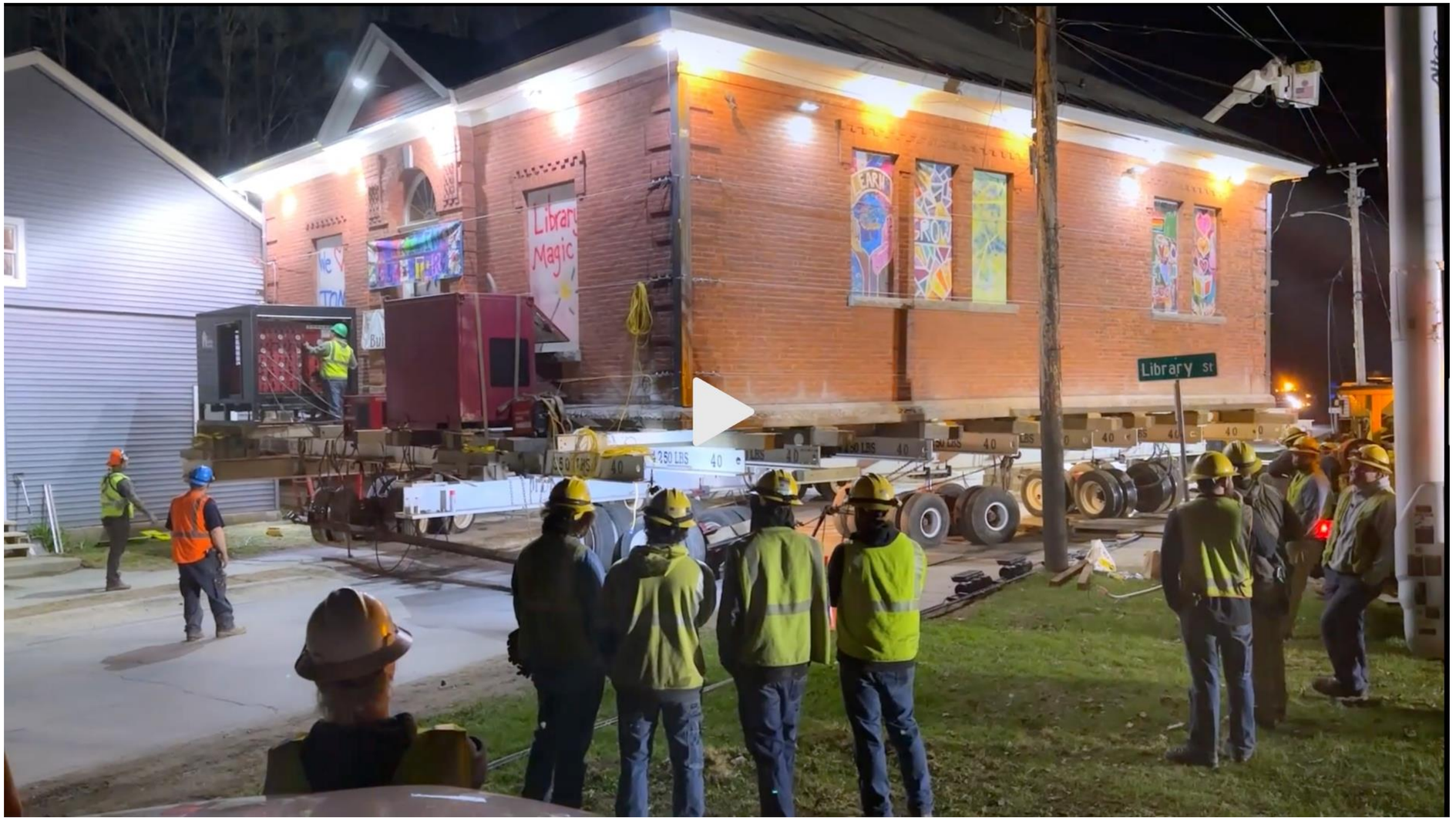
Review Profiles

Explore detailed profiles, including specailizations, community focus and work examples.

Connect & Collaborate

Contact practitioners directly to discuss your project and build a resilient future together.

The Steps in Practice



https://www.pbs.org/video/making-history-moving-the-johnson-library-q828qs/

Thank You

I appreciate your participation. Please feel free to reach out with any questions, feedback, or ideas for future collaboration.

Ashlyn Shore Dunsworth

ashore@unca.edu

Understanding Weather Data and Library Disaster Preparedness

Preparing for Disasters in Libraries

David Walls, Preservation Librarian GPO

Preparedness

Assessing Risks: The Library

- The Library Building: Age, type of structure, type of roof and drainage.
- Your location: Type of storms, their direction, frequency, and severity, Floodplain?

Flood

- Fire suppression
- Hot and cold fresh water
- Hot water radiators
- Hot water to HVAC Heat Exchangers
- Steam to HVAC
- Chilled water to HVAC
- Condensation return
- Rainwater
- Sewage

Flood: Fire suppression

Mold

- Humidity consistently above 55% rH
- HVAC System Failure
- Attempt to save $$ on HVAC by turning systems down or off
- Books moved to basement storage areas not intended for collections
- Motion sensor lighting
- Changes to building rooms without rebalancing HVAC

Fire

- Policy on use of electric space heaters
- Policy on the use of extension cords
- Ensure that enough electrical circuits exist for break rooms
- Ensure that fire detection and suppression systems are inspected regularly
- Report all suspicious activity to security

Assessing Risks: The Collection

- Documentation of holdings
- Age of materials
- Special Collections
- Items with specific historic or artifactual value
- Location of collections in the building?

Assessing Risks: Information Technology

- Are the library catalog and essential business record systems backed up? Have you tested a recovery scenario?
- How are the catalog and other systems restored in the event of a disaster?
- Are IT access services for library users, (WiFi) part of the restoration of online services

Prevention


ITEM NAME: VENGEANCE GAME
INSIDE PIECES: 6 SETS
N/W: 6.9 KGS
G/W: 7.5 KGS
CTN SIZE: 51.8 X 31.3 X 23.8 CM
CTN NO.:
OF 1667

Prevention

Risk Checklist

- Building location, storms, flood plain
- Known building system issues: leaks, drainage, flooding, humidity?
- Collections Stored in the basement?
- Collections stored remotely?
- Materials directly on the floor?
- Collections close to large windows
- Collection items inventoried through the catalog or other documents
- IT systems backed up and restorable
- Building and collection areas monitored

Plan your Prevention and Response

- Create a team
- Assess risks and plan your response
- Train your team and practice your response
- Communicate the plan with staff and administration
- Communicate your plan with building services and security

Disaster Plan Development

- Building and environmental risks assessed and monitored
- Disaster Response and Recovery Team organized and trained
- Disaster Response Plan developed with a telephone tree for staff and facilities.
- Disaster Response plan communicated with administration and building maintenance and security.
- Disaster Response and Recovery supplies secured and accessible
- Create a copy of the Response Plan for each member of the response team in paper at home.
- Monitor weather

Response

- Safety first
- Triage criteria for materials is essential
- Plan for space to dry books
- Purchase paper towels as part of your disaster supplies
- Practice interleaving and drying books on discarded materials in a disaster drill before the real thing happens

Response

- Clay coated paper first
- Special Collection items
- Interleave paper towels between damp pages
- Air dry books by standing them up on end

Response

- Freezing soaked books stalls mold growth
- Provides you time to stage recovery
- Books can be removed in smaller groups for evaluation and monitored drying

Establish limits

- The response and recovery plan should have definite limits of what staff can be expected to do in response to a disaster.
- Moderate to severe disasters may be too large for staff to handle without assistance from a disaster response and recovery service.
- Service contracts should be arranged in advance, and services may be paid for by insurance.

Preparedness, Response, Recovery

- Assess Risks
- Plan an appropriate response and document it in a tangible plan
- Develop a response team and distribute copies of the plan.
- Communicate the plan with administration and infrastructure support
- Prepare when weather threats arise
- Respond to disasters according to your plan within established safety limits
- Document the recovery effort to restore materials and services
- Communicate the recovery effort to appropriate sources
- Restock supplies
- Review effectiveness and adjust plan and training as needed.

David Walls, Preservation Librarian

askGPO - Preservation
dwalls@gpo.gov