









# Building resilient communities

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Exploring how libraries and community-based organizations can work together to mitigate environmental and health-related concerns due to climate change

#### **Project Focus**

Strengthening partnerships between public libraries and community organizations to take locally relevant climate action and address environmental change.

#### Goal

Empower libraries and community partners to co-create resilient, thriving environments through teamwork and action.

#### **Impact**

Public libraries, alongside their partners, are leading efforts to help communities prepare for changing environments, unexpected disruptions, and new challenges—ensuring they can thrive no matter what lies ahead.

### **Today's Presenters**



Kate Gomes
Library Director, Holbrook
Public Library (MA)



Brenda Harrington

Adult Services Librarian,
Belfast Free Library (ME)



Sarah Kirn

Participatory Science
Strategist, NASA, Gulf of
Maine Research Institute

## Blue Marble Librarians

How to implement climate initiatives at your library

# Who are the Blue Marble Librarians?

In 2018, a group of climate-minded librarians attended a program at the Boston Public Library. This program focused on how libraries can can foster cumunity reliance in times of climate change. In the months following this gathering, librarians from all over the Commonwealth wondered how they could keep up the momentum and continue this work. From this passion the Blue Marble Librarians group was born.

Through their partnership with CREW (Communities Responding to Extreme Weather), the BML's have inspire climate programming across Massachusetts.

#### What do the Blue Marble Librarians do?

- Hold quarterly meetings to share ideas and foster collaboration
- Publish a frequently updated blog filled with ideas on climate related programming for libraries of all sizes and resources
- Organize and promote Climate Prep Week
- Share resources and promote ideas via a listserv
- Maintain a libguide filled with resources that is available to everyone

How can you support your community's climate resilience?

Program ideas and resources for libraries of all sizes!

### Become a CREW Hub – it's free!

 CREW library hubs can be found all over the country from Texas to Florida to Virginia and Massachusetts.

• Level 1 Hubs provide resources to their community for how to be prepared for extreme weather and must do one climate related program per year.



### Provide Climate Resilience Programming

Some of our favorite library programs include:

- Fix It Clinics
- The Climate Ribbon Project
- Free Winter Coat Rack
- Nature Scavenger Hunts
- Library Gardens



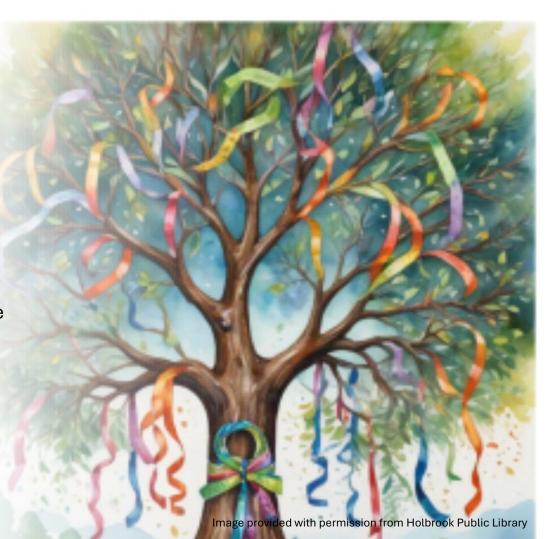
# Fix It Clinics at the Brewster Ladies' Library

- Brewster Ladies' Library in Brewster, MA serves a population of 10,456
- Local repair experts teach others how to fix items. This encourages self-reliance and fights against disposable consumerism.
- Great community event for patrons of all ages!



# The Climate Ribbon Project

- In this program, participants use a piece of discarded ribbon or scrapes of old fabric and write on them the answer to one question, "What do you love and hope to never lose due to climate chaos?"
- These ribbons are added to a tree, fence, whatever.
- It is a way to share in and alleviate climate anxiety.



#### Free Winter Coat Rack

- Libraries ask for donations of winter coats in the months leading up to the cold season
- Coats are placed on racks in the library in a place where patrons are able to browse the selection
- All unclaimed coats are donated at the end of the season



Image provided with permission from Plymouth Public Library

# App Based Scavenger Hunt

- Have patrons download iNaturalist or the Merlin Bird ID
- Encourage them to "collect" species all over town
- Set a benchmark for when patrons are eligible for a prize
- Can be tied in with speakers to discuss the local nature





## Install a Library Garden

Putting in a library garden is a great way to educate the public. This allows for continuing education programming opportunities and passive learning as well.

Gardens can be maintained with the help of volunteers or local garden clubs.

# Sturgis Library Rain Garden

- Sturgis Library in Barnstable, MA serves a population of 6,656
- The installation of this garden was funded through multiple grants including the US Environmental Protection Agency
- Rain Gardens promote water conservation





# Terryville Public Library Pollinator Garden

- The Terryville Public Library located in Terryville, CT serves a population of 4,998
- This garden was put in with the help of a local landscaping company
- Pollinator gardens raise awareness of the importance of pollinators in our ecosystem

### Pottsboro Library Community Garden

- Pottsboro, TX is a community of 2,756 people; the library is open 28 hours a week
- From 2013-2021, received over \$500,000 in grants which helped them install a 100 plot community garden among many other services
- Vegetable gardens increase awareness of food cycles and foster a sense of community



Image: Pottsboro Community Garden, still from <u>video by Texas Water Smart</u> on YouTube

# Potential Local Community Partners

Garden Clubs

Town or County Emergency Management

**County Extension Office** 

Local Agriculture schools

Master Gardeners

State Department of Environmental Protection

# Additional Resources

- ALA Resilient Community Programming Guide
- Environmental Justice Grants, Funding and Technical Assistance
- <u>US Climate Resilience Toolkit-Funding</u>
   <u>Opportunities</u>
- APHA ECO Bookworms

# BUILDING COMMUNITY IN A CHANGING CLIMATE

Inspiration and lessons learned from All of Belfast Climate

Dialogues

November 21, 2024

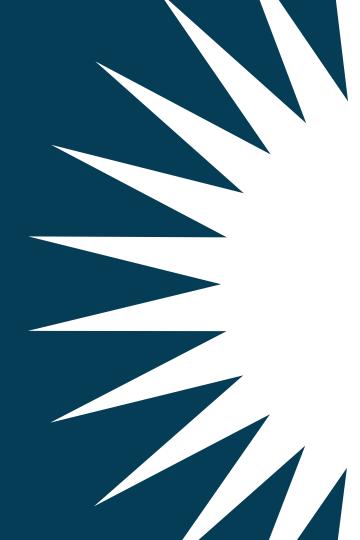
Brenda Harrington, Adult Programming/ Assistant Director at the Belfast Free Library

Sarah Kirn, Participatory Science Strategist, NASA at the Gulf of Maine Research Institute\*

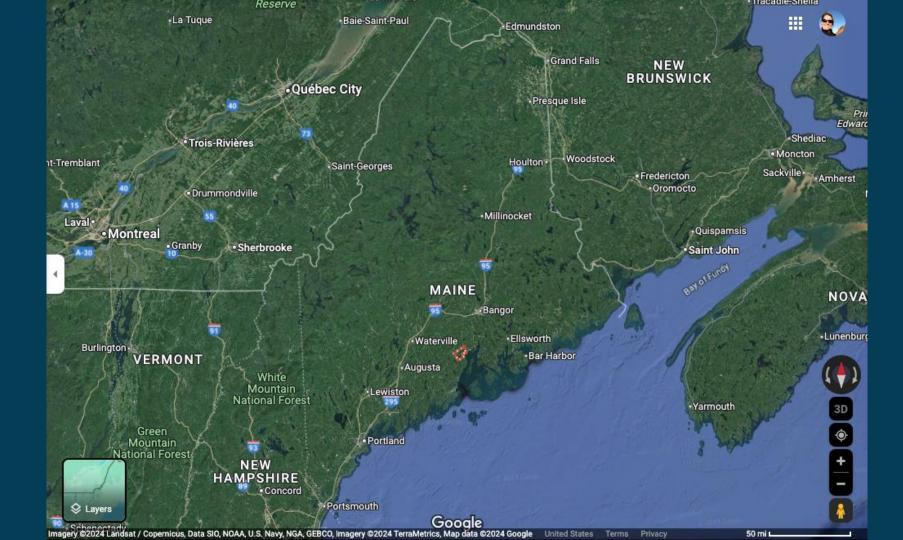
\*Sarah did this work as an independent contractor

# Outline

- 1. Orientation to Belfast, Maine
- 2. Background of All of Belfast: Climate Dialogues (ABCD): impetus, goals
- 3. What we did through the project
- 4. Reflections on what worked for us in Belfast, ME in 2020-2023.



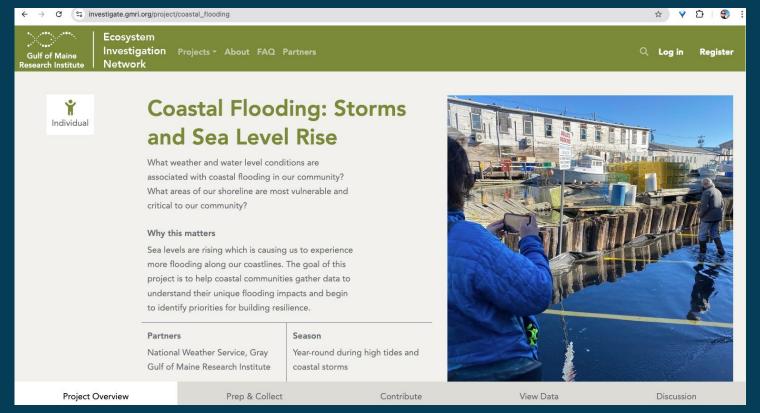
### Orientation to Belfast, Maine



All data from Wikipedia unless otherwise noted	US	Maine	Belfast
Population size (2023)	334,914,895	1,395,722	6,953
Median age (2022, from <u>Visual</u> <u>Capitalist website</u> )	38.3 years	45 years - Maine is the OLDEST state in country	60.3 years (2010 census said 46.9 years)
Education Attainment % population with HS diploma % population with advanced degree	89.3% 13.7%	94% 12-14%	93.79% 22.34%

# Genesis of All of Belfast Climate Dialogues (ABCD)

# 2018, GMRI partnered with Belfast Climate Crisis Committee to study coastal flooding using citizen science method.



### **Project inspirations**

"The most important thing you can do to fight climate change: talk about it."

- Katharine Hayhoe, Climate Scientist



BELFAST FREE LIBRARY

# ALL OF BELFAST CLIMATE DIALOGUES

Funded by the Institute of Museum and Library Services 2020-2023, Accelerating Promising Practices for Small and Rural Libraries;

A Community Memory Project



#### **ABCD PROJECT GOALS**

#### **ENGAGE**

Engage broad Curate highquality education cross-section of Belfast in materials talking about regarding climate change climate

#### **EDUCATE**

#### **DISCUSS**

Develop programs to normalize conversation on climate

#### DOCUMENT

Archive Belfast residents' ideas and priorities regarding climate change

# ABCD In Action: Highlights of what we did

For complete archive, visit

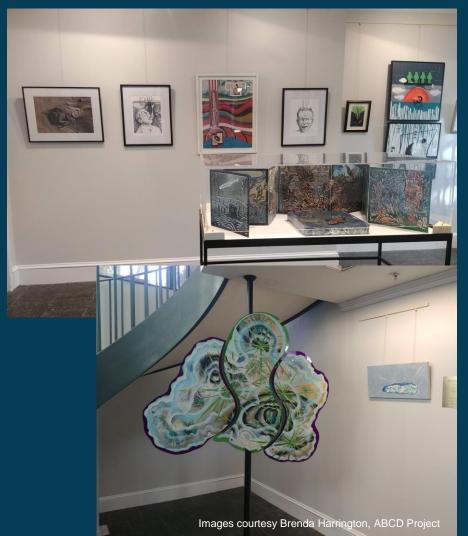




#### **ENGAGE**



"The Art of Re-climation" April/May 2022



#### **EDUCATE**

BELFAST FREE LIBRARY

KIDS & TEENS

ALL OF BELFAST: CLIMATE DIALOGUES

SUPPORT THE LIBRARY



#### Climate Change Basics

Watch Dr. Katharine Hayhoe's PBS Global Weirding series



Just how long have we known about climate change anyways?

Learn some surprising things about the history of climate change science.



All the extreme weather we've had lately isn't anything new, right?

Learn the key differences between climate change and weather, and learn more about why scientists are concerned.



I Live in the Eastern US - Does Climate Change Matter to Me?

Climate change will not impact all regions of the globe in the same ways. Learn how climate change is expected to impact the East coast of the U.S.



#### Image courtesy Brenda Harrington, ABCD Project

Maine's Climate Future: The Role of Carbon Management in Farms and Forests with Dr. Ivan Fernandez



Tuesday, January 25th









Browntail Moth & Emerald Ash

**Borer in Waldo County** 

Tuesday, February 1st



Tuesday, November 30th 6:30 PM on Zoom

Finding Hope in the Face of

**Climate Change** 





**Celebrating Our Adventures** 

on Earth: Fireside Chat





Rain Gardens and Other Water

**Management Techniques** for Your Property Thursday, February 2nd 6:00 PM on Zoom















Tuesday, March 22nd

















Landscape of Change

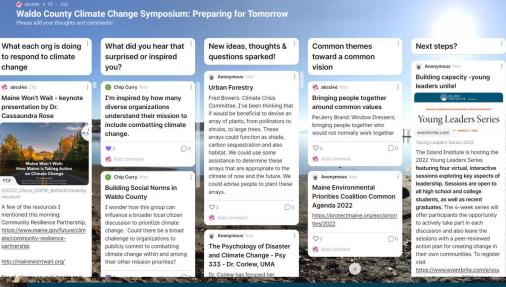
with Catherine Schmitt, Schoodic

Institute

Tuesday, January 24th

#### TALK ABOUT IT





"The more I hear people acknowledge their struggles, the less alone I feel" - Noami

### Promising practices emerged

#### COLLABORATE

When possible, partner with other organizations.







Watershee

#### SEIZE **OPPORTUNITIES**

When possible, say yes. Follow the energy.



#### SEEK MODELS, **MENTORS**

Don't reinvent the wheell



CLIMATE **ACTION PLAN** 









### TALK ABOUT IT: **Community Climate** Conversations





What should be in **Belfast's Climate Action** Plan?

#### ALL OF BELFAST: CLIMATE DIALOGUES

Share Your Story Browse Items **Browse Collections** Browse Exhibits About Contact Us



#### Browse Items (102 total)

Browse All Browse by Tag Search Items

Date Added

#### Community Climate Conversations



Community Climate Conversation: The Future of Transportation in Belfast & Waldo County

ABCD Team, Belfast Pedestrian, Biking & Hiking Committee, Belfast Climate Crisis Committee. February 9, 2023

https://abcdbelfast.omeka.net/items/browse

Community Climate Conversation: Modernizing Our Homes & Buildings

mmunity Climate Conversation

Modernizing Our Buildings

ABCD Team, Belfast Climate Crisis Committee, December 8, 2022

"Waldo County - Engaging the Community on Climate Action" **Brown Bag Lunch Discussions** 

Celebration & Community Conversations" series, St. Margaret's Episcopal Church, in collaboration with the Greater Bay Area Ministerium

Tuesday, September 20 12:00 Noon at Belfast Free Library



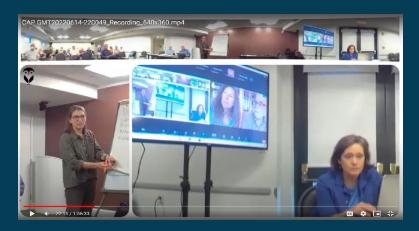
"Waldo County - Engaging the Community on Climate Action" Brown Bag Lunch Discussion

St. Francis of Assisi Catholic Church, St. Margaret's Episcopal Church, Greater Bay Area Ministerium, September 12, 2022



Community Climate Conversation: Building Resilience for Big Storms and Flooding Belfast Climate Crisis Committee. ABCD Team, October 18, 2022

# Four Public Discussions on Belfast Climate Action Plan ~ June 14, 2022



50+ people, established guiding principles:

- balance human and environmental needs
- think in **systems** up & down stream, other networks with whom we can connect
- equity solutions must serve and be accessible to everyone

Car-free lifestyle Browalk area + bike New neighbors Everyone involved, engaged Old growth forest Vibrant ecosystems Net zero homes for all Cleaned up industrial spaces Electric Transport + energy

## Brainstorming Ideas for Action

- 1. Things individuals can do themselves
- 2. Things people can work on together
- 3. Things that need policy change and/or significant fundraising to accomplish.



## **Example topic: Building Resilience for Big Storms & Flooding**

- What individuals can do: Rain barrels, resurface driveways
- What we can do together: Build a functional and educational rain garden; be a good neighbor
- What we need municipality/grant to do:
   Complete municipal stormwater drainage
   system study that was underway
- Who is responsible for stormwater?



Image courtesy Eric Sanders, Belfast Mayor

## Who has the power?

We live in a democracy. "...by the people, for the people...."

### **ARCHIVE**

### Community Climate Conversation: The Future of Transportation in Belfast & Waldo County



#### Community discussion highlights

After Cara's presentation, attendees largely focused on the concept she outlined, "active transit" (defined as "any mode of human powered transportation" - walking, biking, wheelchair or other ability device, skateboarding, etc.). We talked about rethinking our expectations and habits about how we get around, and how we might work toward a "diversity of mobility options" to serve different populations.

Here are some highlights from the engaged attendee discussion (which begins at approximately 46:00 in the recording). Photos of our community discussion flip chart notes are also included on this page.

- Boating transport by water! Please give your input on the <u>Belfast Harbor Small Boat Survey</u> planning for small boat access & tie-ups for commuters
- Looking back on the community layouts of 100 years ago, with clustered patchwork of "service
  nodes" within a certain distance, meeting people's needs for stores, milling, etc. (Think of all the place
  names like "\_ Mill", or "\_ Corner"). Could some version of this have a place in current day zoning perhaps "mini cities" within 15 minutes walking distance of each other?
- Municipalities can support year-round active transportation (not just car-centric): Adjust road
  care regimen to include ped/bike transportation (e.g. not plowing snow into ped/bike lanes)
- Think about transportation for us... and transportation for tourists. Take note of the "Slow tourism / slow travel" trend.
- Idea to close some city streets to car traffic in summer? Maybe closing one of the parallel streets?
   Experiment with temporary setups / demonstrations to see what works. Help tourists get around with



rr, of the Belfast Climate Crisis Committee talks to two people who came to the in 9. Institutive in October 2021, Credit; Abigail Curtis / BDN

"The world can't wait for climate action": Letter to the editor from Unitarian-Universalist Church of Belfast June 25, 2022



Where Are All the Bees? Misty Mallar, July 2021

"We live with Earth's catastrophe - but remain undepressed."

[Untitled]
David Thanhauser, April 19, 2022



### **ABCD**

Belfast Free Library - 1 / 20







### Community Compost Panel Discussion

Belfast Free Library



Community Climate Conversation: Future of Transportation in Belfast ...

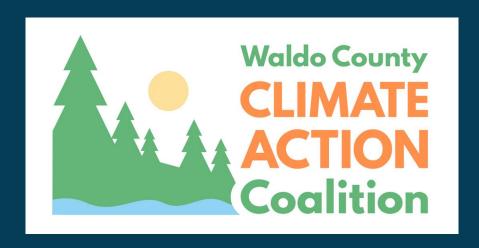
Relfast Free Library

## Following ABCD: What's happened since

### WALDO COUNTY CLIMATE ACTION COALITION

AT THE final ABCD presentation, many participants expressed an interest in continuing to work together for community climate action.

ABCD was the springboard for COMMUNITY ORGANIZATIONS AND INDIVIDUALS to come together as a coalition.



## CONTINUING THE WORK OF ABCD WITH FEWER RESOURCES (Grant funding - even modest - is really helpful)



https://www.waldoclimateaction.org/

## SUCCESSFUL GRASS ROOTS CLIMATE INTIATIVES INSPIRED BY ABCD PROGRAMS:



Community composting is live in Belfast!



Plastic Pollution Solutions focused on removing singleuse plastic utensils, straws, etc. from the waste stream.



Downtown refillable water bottle stations - St.

Margaret's Church raised the funds

# What contributed to our success?

Follow QR code to "What made ABCD work?" reflection in ABCD's Omeka collection



- We had **funding** (thank you,
   IMLS!) for our team to work for 3 years.
- 2. We had a **team** with: local knowledge, outside perspective, and communication/ organization talent



Image courtesy Belfast Free Library, ABCD Project

- 3. We **collaborated**, co-hosted, convened, connected, and facilitated.
- 4. We used **all the tools** we had: social media, Zoom, email, newsletters, campfires, cookies, website, inperson meetings, art, poetry, tabling, etc.



### THANK YOU

Brenda Harrington
Sarah Kirn

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sarah@gmri.org

https://belfastlibrary.org/all-of-belfastclimate-dialogues









Photo: Grace Murdock, ABCD Photo Contest Winner: 1st Place, "Play" category: "Walking on the Beach"

### **Questions?**



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### Learn more about how you can take action with your community partners in these webinars

**Upcoming: Climate change communication: How and why to do it in libraries** (December 5, 2024) Gain practical strategies to effectively communicate about climate issues and inspire meaningful local action.

**Recording: Sustaining ecosystems for climate learning and action** (October 24, 2024)

Learn how public libraries can play a role in climate education and action by collaborating with other sectors and organizations. Recording and resources from this October 2024 webinar available on WebJunction.

https://www.webjunction.org/news/webjunction/building-resilient-communities.html