



Biodiversity for a Livable Climate

Restoring Ecosystems to Reverse Global Warming

ANNUAL REPORT 2022

GREENING THE EARTH COOLING THE PLANET

Promoting inexpensive, low-tech, and powerful Nature solutions to climate chaos



A LETTER FROM OUR EXECUTIVE DIRECTOR Celebrating another successful year



Dear Friend of Bio4Climate,

It is with humility and excitement that I write to you celebrating the fabulous difference your support made in 2022.

As you may know, I wasn't part of this powerful team last year, having just stepped into this role in January of 2023. And yet, I am excited to see what we have accomplished and confident we will rise to the challenges of climate chaos together in 2023!

The work this report recounts is a small part of what we owe to our founding Executive Director, Adam Sacks, who has retired after nearly ten years of persistent work challenging siloed and incomplete views of the climate crisis.

I am sure Adam would agree that this is mostly your story. Thank you for your partnership in all of these efforts.

A handwritten signature in blue ink that reads "Beck Mordini". The signature is written in a cursive, flowing style.

Beck Mordini
Executive Director

P.S. Please be sure to stay tuned this summer for a proper tribute to Adam!



THANK YOU ADAM!

Honoring the legacy of our Founding Executive Director

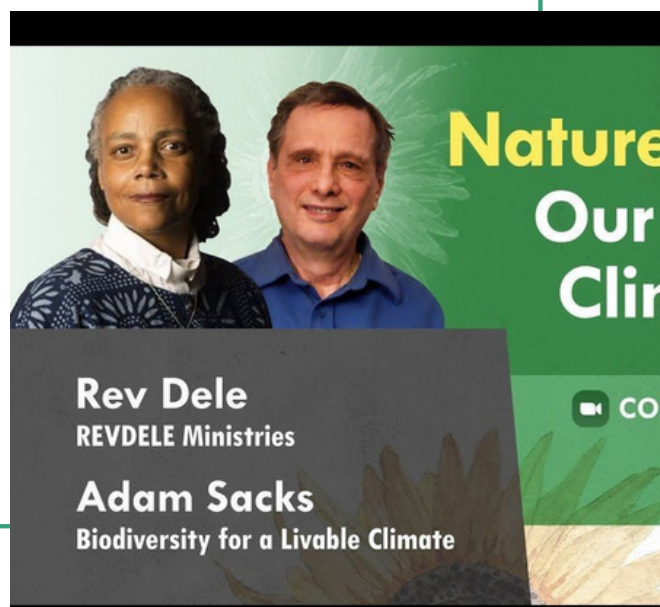


After nearly ten years of service, our Founding Executive Director Adam Sacks made the difficult decision to step down from his position at the end of 2022.

We are incredibly grateful to Adam for his vision, fortitude, sacrifice, and indefatigable tenacity.

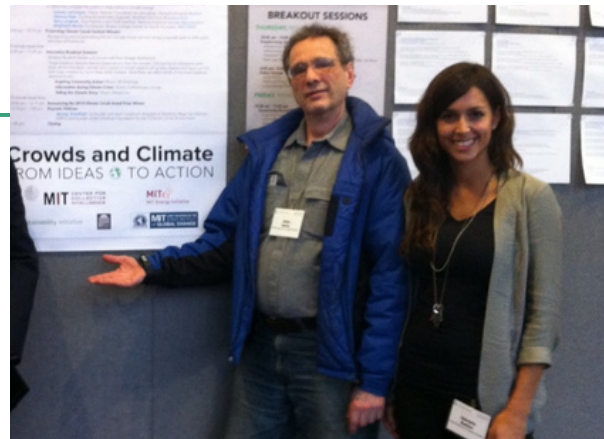
Biodiversity for a Livable Climate is a multifaceted organization that is advancing an important message in today's climate discussions.

Thank you, Adam, for your service!



Thanks for sharing your work and wisdom.

-URMILA MALVADKAR



Thanks for all your hard work connecting so many people and ideas! It has been an interesting and unexpected journey.

-TOM GOREAU

Thank you for your contribution to the planet and we at this fledgling organisation. (Umoja/Nakivale Refugee Settlement).

-ANONYMOUS



Many thanks for your commitment and intelligence and compassion regarding solving climate challenges, Adam! Have a peaceful and rewarding retirement!

-PETER CRAWLEY



Thank you Adam for all your amazing work!! The world is truly a better place with you in it.

-STEVEN NUTTER

EDUCATION

Promoting nature-based solutions through science-based education

One reason people don't value nature is that they don't understand it. At Bio4Climate you can almost always find a class to join, taught by our experts with college-level discussions and explored in a way that everyone can understand. Our Education team includes Fred Jennings, PhD Economics, Stanford; Jim Laurie, biologist and pioneer in living machines; Tania Roa, Director of Communications; and Christopher Haines, author of [Heat Planet](#).

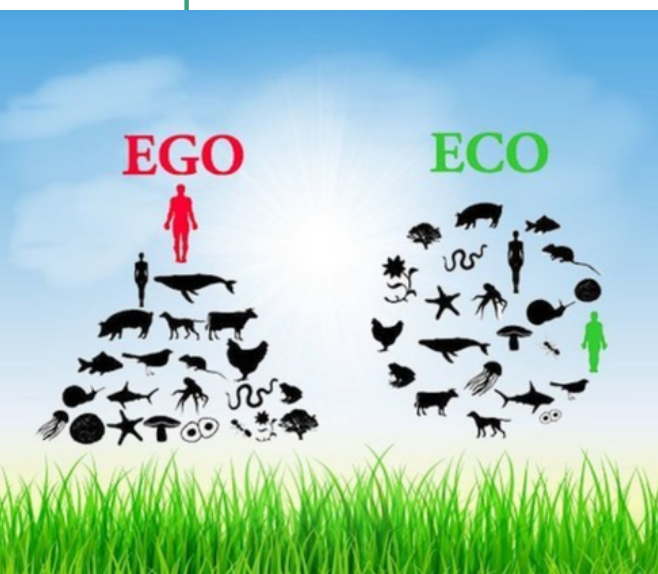
- [Ego vs Eco: How Human, Animal and Plant Health Interconnect](#) March 2 - April 27 (Roa)
- [Horizontal Thinking: Toward a New Economics](#) April 4 - June 30 (Jennings)
- [Social Solutions: Making Systems More Resilient](#) April 4 - June 30 (Jennings)
- [Heat Planet](#) May 4 - June 8 (Haines)
- [Systems Thinking and Scenarios: Tools for Creating Better Ecological Futures](#) June 22 - Sept 27 (Laurie)
- [Rewilding Half the Earth to Create a Future We Want](#) October 12 - December 28 (Laurie)

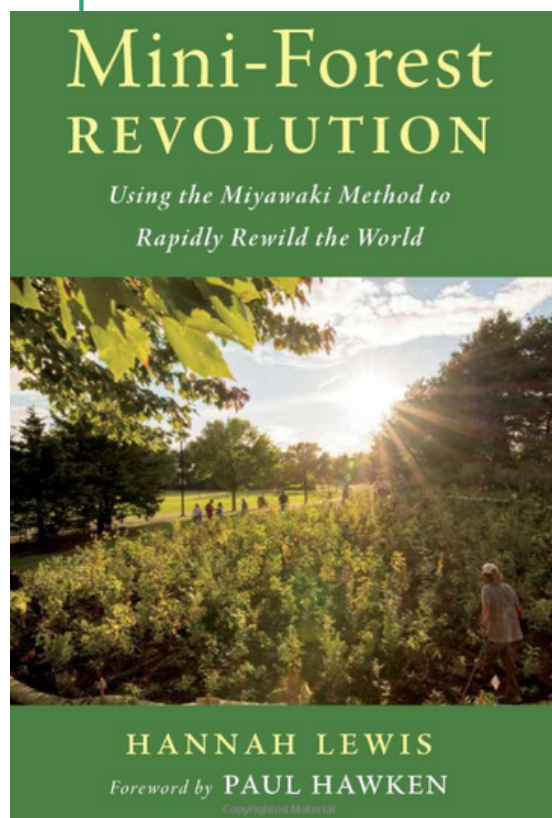


6
COURSES

60
CLASSES

1,000+
ATTENDANCE





RESEARCH

Sharing the latest science from around the world

Our Compendium is one of the many ways we share the science backing nature-based solutions.

- Publication of the tenth and eleventh issues of the Compendium of Scientific and Practical Findings Supporting Eco-Restoration to Address Global Warming.
 - Vol 5 No 2 (March 2022) contains articles that examine the relationship between vegetation and temperature and the ecological role of animals
 - Vol 6 No 1 (July 2022) focuses on grassland ecosystems and on culture and its role in shaping human relationships to nature
- Mini-Forest Revolution, by former Compendium editor Hannah Lewis, was published by Chelsea Green Press in June, 2022.

Nature-based solutions are a scientifically proven way to address climate disruption.

RESTORING NATURE

SUCCESSFUL MIYAWAKI BUILDS

We installed a second Miyawaki Forest in Cambridge and established an agreement with Cambridge's city government to install another mini-forest every year. Began negotiations with the town of Natick to install forest in 2023.

COLLEGE AND YOUTH OUTREACH

In 2022, we:

- mentored interns in Botswana, Hong Kong, India, Indonesia, Kenya, Tanzania, and South Africa;
- created a program with the Massachusetts College of Liberal Arts;
- created interviews for Bard College World-Wide Teach-in for Climate and Justice; and
- presented Youth Eco-Restorers For Climate Conference September 17, 2022.

FEATURING VOICES FOR ENVIRONMENTAL JUSTICE

Bringing back degraded lands naturally supports environmental justice, including creating food sovereignty.

- Initiated a collaboration with the Post Carbon Institute creating a six-event multi-city series titled Redesigning Our Communities for Life After Fossil Fuels with Richard Heinberg as keynote speaker (carried into 2023 with events in LA and Cleveland).
 - Montgomery County, Maryland September 10, 2022
 - Kansas City, Missouri November 12, 2022
- In each location, we provided a platform for Black, Brown, and Indigenous community leaders to share their wisdom and showcase forward-thinking solutions for establishing a just and equitable transition to life after fossil fuels, with a special emphasis on rapidly increasing food production at the local level.

REDESIGNING OUR COMMUNITIES FOR LIFE AFTER FOSSIL FUELS

A series of virtual and in-person community events in six locations across the U.S. and Canada

KANSAS CITY

NOV 12, 2022 • 1-5 CST on Zoom

"Life Saves the Planet" lecture series with GBH Forum Network.

This partnership allows our growing network of authors and advocates to reach an expanding audience, providing innovative solutions for people around the world.

LIFE SAVES THE PLANET

- Jennifer Francis: Arctic Meltdown: Why It Matters To Us, January 27
- John Liu, Valer Clark, Ilse Kohler-Rollefson, with Jon Schull: Introducing The EcoRestoration Alliance, March 28
- Rob de Laet and Atossa Soltani: Amazon Deforestation: Why It Matters To Us, April 28
- Hannah Lewis and Daan Bleichrodt: Using the Miyawaki Method to Rapidly Rewild the World, May 30
- Michal Kravčík, Danielle Dolan, Beth Lambert: Drying Rivers and Drought: What We Can Do in Massachusetts, July 12
- Tony Rinaudo with Judith Schwartz: Farmer-Managed Natural Regeneration, August 17
- Anastassia Makarieva, Jan Pokorny, Andrei Nefiodov, with Jon Schull: No Trees, No Rain, October 21
- Nathan Lou, Jess Alvarez-Parfrey, William Wildcat (Coaki): A New Generation of Change-Makers: Reclaiming Ancestral Wisdom, November 17
- Kristin Ohlson with Jim Laurie: Sweet in Tooth and Claw, December 13

Farmer Managed Natural Regeneration:
An Amazing & Low-Cost Reforestation Solution



'Forest Maker' Tony Rinaudo
Founder of FMNR



Judith D. Schwartz
Environmental journalist and author

Wednesday, August 17 - 6pm EST

A virtual event hosted by
Biodiversity for a Livable Climate & GBH Forum Network

You can read more about this exciting partnership at

<https://forum-network.org/series/life-saves-planet/>

Bio4Climate Intern Omondi Bill Clinton was trained with Greenpeace Africa and is a leader of Save Lake Victoria.

EXPANDING OUR AUDIENCE ACROSS PLATFORMS

Social media growth

- Instagram followers **increased over 200% from 36 to 113.**
- LinkedIn followers **increased nearly 75% from 484 to 849.**
- YouTube subscribers **increased by 24% from 2,801 to 3,480.**
- YouTube Views **increased by 23% from 303,145 to 374,901.**
- TikTok followers **increased 40x from 24 to 957.**
- Popular Featured Creature weekly articles with **30-40 % open rates** were selected for compilation into a Featured Animals Collection and a Featured Plants and Friends Collection



EMPOWERING NEW GENERATIONS IN REGENERATION

Our network has expanded well beyond the small gathering that helped launch Biodiversity for a Livable Climate back in 2013. From virtual classrooms to hands-on volunteers, our impact is global.

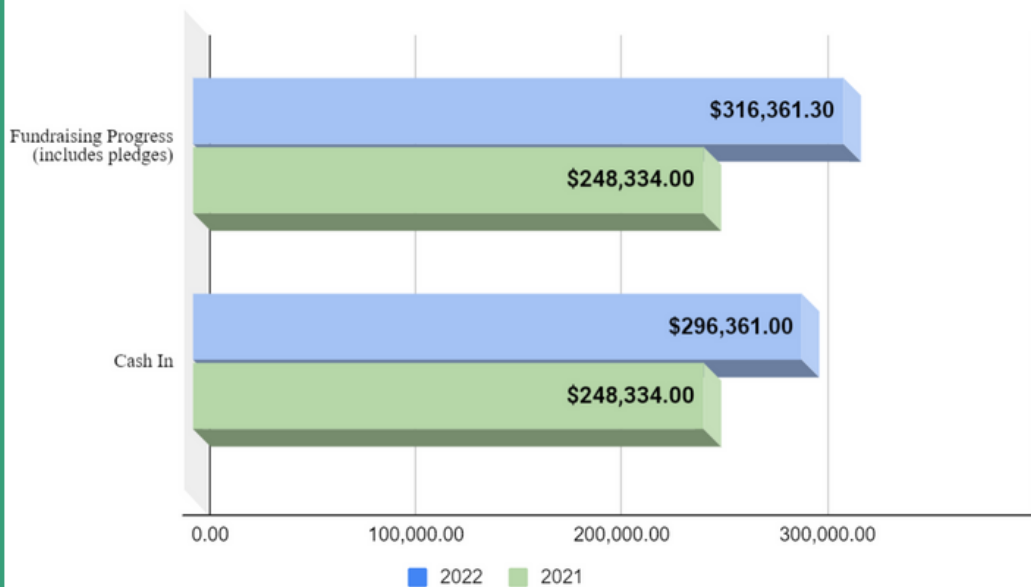
- We are the co-founder and fiscal sponsor of the EcoRestoration Alliance, a collaboration of scientists and regenerative activists, which grew to over 100 members in 2022.
- We offered support for educational programming and a seed bank at Nakivale Refugee Settlement in Uganda.
- With the Kachana Donkey Campaign, we generated support for Kachana Station's research on the role of native wild donkeys in Australian ecosystems by creating a campaign to raise public awareness



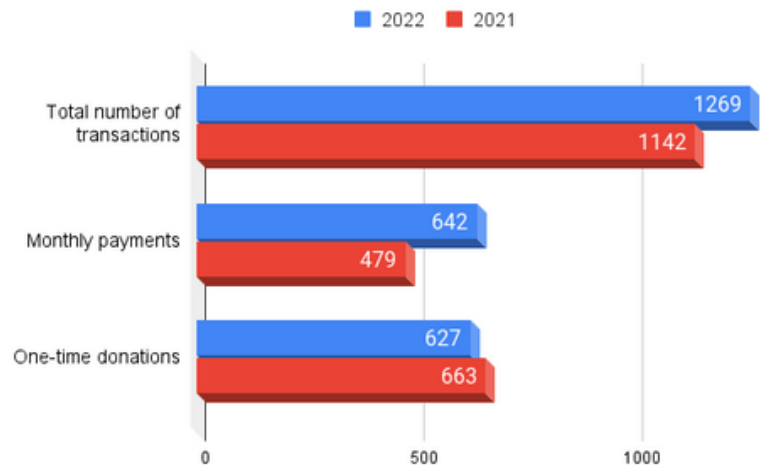
FUNDRAISING PROGRESS

Support from donors like you continues to grow, allowing us to advance our mission across the globe.

Fundraising Progress and Cash-In

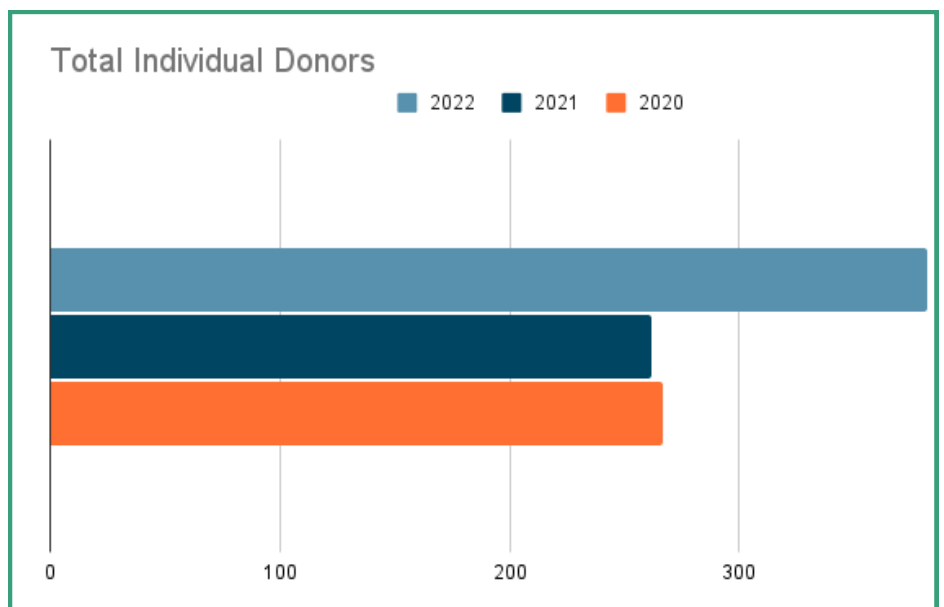
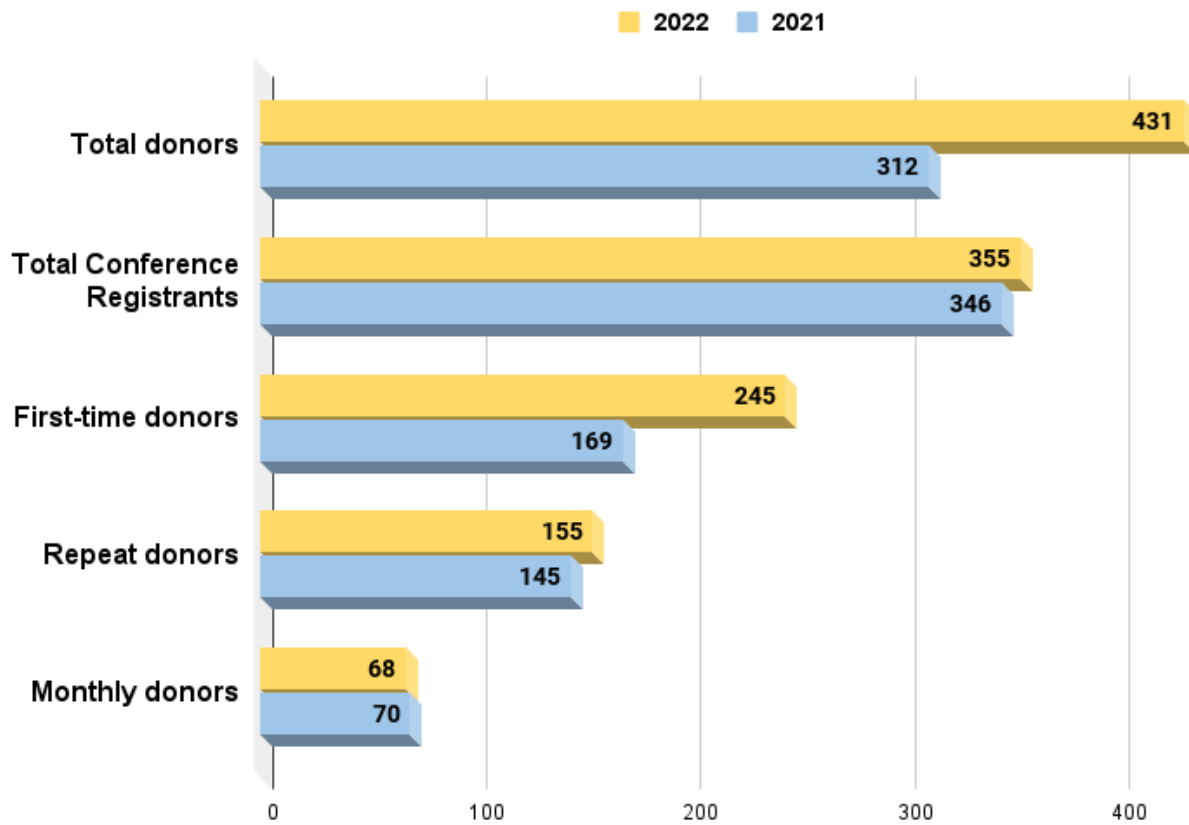


Transaction Breakdown



Photos by Maya Dutta - before and after shots of our second Miyawaki Forest build, held in The Port neighborhood at Greene-Rose Heritage Park in Cambridge.

GROWING ENGAGEMENT



CONTINUING A LEGACY FOCUSED ON WATER



It is with sadness and hope that we mourn the loss of our dear friend Jan Lambert, who passed away in April of 2022.

Jan was a close colleague and team member at Biodiversity for a Livable Climate. Moved by the scholarship of water scientists like Michal Kravčík, Jan's work revolved around the centrality of water.

Building on her graduate studies in Community Based Education, Jan developed various nature programs for children and adults. Her work as a nonprofit leader was complemented by the time she spent in her neighborhood: diving in area ponds and rivers to remove invasive plants, and surveying frogs and toads at night by identifying their calls.

Jan's collaboration with Biodiversity for a Livable Climate began through the Valley Green Journal, a publication Jan wrote and produced almost single-handedly. In 2015, she published Water, Land and Climate: The Critical Connection. She lit a fire in many people's hearts, and people around the globe benefit from her work. Along with her son-in-law Matthew Maki, Jan created the non-profit Voices of Water, initially under the fiscal sponsorship of Biodiversity for a Livable Climate. Ultimately, this movement merged directly with Biodiversity for a Livable Climate, and the Voices of Water legacy continues through publications, conferences, and online resources.



In addition to the various water-related activities mentioned above, that legacy is being kept alive by Zuzka Mulkerin, who promoted the Global Action Plan, a piece written by Jan and Michal Kravčík, and leads efforts associated with Voices of Water. On March 19, we hosted "Code Red Water," a virtual mini-conference with Atossa Soltani and Michal Kravčík. John Lambert, Jan's surviving husband, participated in the first Post-Carbon Institute Restoring Our Communities event, sharing his experiences living "off the grid" and spreading messages around water catchment.

We are thankful to Jan and her family for their generous partnership in the mission to promote the potential of inexpensive, low-tech nature-based solutions to the biodiversity and climate crises.

ORGANIZATIONAL AFFILIATIONS

We are grateful to these organizations for their partnership in our mission:

Global Coral Reef Alliance, Elders Climate Action MA, Peace and Climate Working Group of Mass. Peace Action, Mass. Rivers Alliance, Soil Carbon Coalition, NOFA MA (Northeast Organic Farmers Association), Regeneration International, Ecological Landscape Alliance, MA Sierra Club, Jamaica Plain Forum, Earthos, Friends of Alewife, Greater Boston Trout Unlimited, Nor'east Chapter Trout Unlimited, Sea Run Brook Trout Coalition, HESEC (Harvard Extension School Environmental Club), Healthy Climate Alliance, The Nature Conservancy (Massachusetts), WILD, Citizens Climate Lobby (DC area), Zero Hour, Eliot Pearson Department of Child Study and Human Development at Tufts University, Environmental Studies Department at Tisch College of Civic Life, Hummingbird Films, Cloud Institute, Project Drawdown, Kiss the Ground, Boston Biodiversity Consortium/ Zoo New England, Balkan Ecology Project, Bionutrient Food Association, Sustainable Harvest International, Sunrise - Massachusetts chapter, Extinction Rebellion - Boston chapter, The Better Future Project, Northeast Yearly Meeting of Friends, Commonland, Land and Leadership Institute (Vermont), SEMAP (Southeastern Massachusetts Food and Agricultural Producers), One Planet Education Network, Jewish Climate Action Network, Island Grown Initiative (Martha's Vineyard), Real Organic Project, Grassroots International, Goddard College, Mothers Out Front MA chapter, Mothers Out Front MA Soil, Carbon and Climate Group, Southeast Coast Permaculture Association, Green Cambridge, SheBoom, Land and Leadership Institute VT, Natural Urban Forests, SUGi, Voices of Water for Climate (now merged with Bio4Climate), Ecosystem Restoration Camps, Chico State University Regenerative Agriculture Institute, Western Mass Climate Action Network, Arthur Morgan Institute for Community Solutions (Agraria), Andhra Pradesh Community Managed Natural Farming, Regenerate-Earth(AU), Mass College of Liberal Arts, EcoRestoration Alliance, Transition US, Mongol Tribe, Cuenca Los Ojos, Post Carbon Institute, Kiss the Ground, Amazon Swarm, Global Earth Repair, Regenerative Water Alliance, Takoma Park Mobilization Climate Action Coffee, The Climate Mobilization - Montgomery County Chapter, Montgomery County Faith Alliance for Climate Solutions, Ecosystems Study Group, MoCo Climate Action Plan Coalition (Adaptation & Sequestration Working Group), Takoma Park Mobilization Environment Committee, Healthy Soils Frederick, Maryland Department of Agriculture Soil Health Advisory Committee, Maryland Food System Resiliency Council - Environment and Production Committee, Montgomery County Food Council Environmental Impact Working Group

Redesigning Our Communities Partners and Sponsors in 2022

We are grateful to the following organizations for their support on behalf of our Redesigning Our Communities series:

Post-Carbon Institute, Montgomery County Racial Equity Network, IMPACT Silver Spring, MY REGION WINS!, The Resilient Activist, Manna Food Center, Kansas City Black Urban Growers, Cedar Lane Ecosystems Study Group, Cottingham Farm, Neighborhood Villaging, One Montgomery Green, Chicken of the Woods Farm, Dodo Farms, ECO City Farms, Fern Glade Sanctuary and Urban Farm, Friends of Sligo Creek, UpCounty Hub, Voices of Water, Building a Sustainable Earth Community, Clement Waters, Closing the Gap Social Justice Podcast, Global One Urban Farming, Mad Hatter Compost Tea, Kansas City Community Gardens, Kansas City Urban Farm Co-Op, Metropolitan Energy Center, Manheim Gardens, The Buffalo Seed Company, and Young Family Farm KC.

Photo credits

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Biodiversity for a Livable Climate is a registered 501c3 organization.
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