



## ***Who we are:***

**Biodiversity for a Livable Climate (Bio4Climate) is a small non-profit with a big vision: we seek to reverse global warming!** We are **catalysts** for transformative change in how we humans think about and act upon the rapidly accelerating disruptions in our climate system that threaten our very survival. We are a **think tank** that educates, inspires and advocates taking action.

**Nature is our ally!** By recognizing the powerful and active role that biological systems play in altering climate, we open new doors of opportunity for action. **We invite everyone to take part**, individually and collectively, in restoring a stable climate system for ourselves and future generations.

## ***How we work:***

**Transformative change requires challenging existing paradigms.** While we fully support a rapid transition away from fossil fuels and toward renewable energy, it is widely known that reducing emissions is insufficient in the face of rapidly accelerating climate disruption. Our best hope for reversing global warming lies in:

- Markedly improved management of rain and water cycles,
- Restoration of keystone species and biodiverse ecosystems, and
- Photosynthesis - Nature's most elegant "high-tech" tool for pulling excess carbon from the atmosphere, where it does untold harm, and sequestering it in the soils, where it does worlds of good.

**Through collaboration** with individuals, businesses, governments and non- governmental organizations, from local to global levels, Bio4Climate works to:

- Educate the public and policymakers,
- Provide resources for people to take action at home and in their communities,
- Provide model legislation at local, state, and federal levels,
- Support eco-restoration projects in the US and around the globe.



## ***What we do:***

- **Introduce and promote leading-edge ideas and concepts:** Bio4Climate broke the ice in bringing the phrase "Reverse global warming" into the climate conversation. While we didn't invent the phrase, it had been taboo to think beyond mitigation and adaptation. We are helping to bring a new water paradigm into the equation to illustrate how water can cool the biosphere quickly as green plants cycle water and remove greenhouse gases from the atmosphere.
- **Present conferences:** Bio4Climate has organized nine conferences in the last three years, ranging from one to three days in length, both in the Boston and Washington DC regions. These conferences bring together land managers, scientists, advocates, entrepreneurs, and policymakers from around the world to explore the many tools for sequestering carbon in diverse ecosystems, the vital role of water cycles in cooling the land, and the importance of a diversity of life both in soils and aboveground for restoring healthy carbon, water, nutrient, and

energy cycles. Our conferences are videotaped, freely available to the public, and have been viewed over 73,000 times!

- **Hold community meetings and workshops:** Bio4Climate hosts frequent gatherings in homes and local community centers, both in Boston and the Washington DC region, to explore in greater depth topics of particular interest to residents seeking to restore local ecosystems. We aim to support the growth of chapters across the country, as small groups of people acting locally can have enormous impact.
- **Participate as speakers and panelists** in the programs of other organizations, such as the Sierra Club, Our Task, Elders Climate Action, Climate Stewards, The Climate Mobilization, and others, to share our unique and hopeful perspective about the power of Nature to help restore a stable climate.
- **Develop curriculum for youth:** Our staff is developing materials and courses for teenagers and adults, and at present has two offerings:
  - Scenario 300, a seven-class course examining the background and basis for eco-restoration to address global warming
  - Preparing Young Children for Climate change, a two-hour workshop for parents and teachers to help them work with children ages three to eight to deal with the disturbing climate news all around them.
- **Conduct research and information sharing:** Bio4Climate is developing a compendium of peer-reviewed articles, reports, and other analyses drawn from resources across many disciplines that will become a living document available to the public free of charge. Our staff, supported by interns and volunteers, is compiling and summarizing key scientific and practical information that is often excluded or overlooked in mainstream discussions about climate.
- **Promote legislation:** Bio4Climate volunteers in Washington DC played a vital role in the introduction and successful passage of legislation in Maryland to establish a Healthy Soils Program. Our Massachusetts group has filed an equivalent bill. Through this process and similar efforts in other states, we are building partnerships with a wide range of stakeholders and creating networks for information-sharing that will be vital for shifting paradigms at all levels. We anticipate contributing to the 2018 U.S. Farm Bill as well.
- **Support eco-restoration projects:** Bio4Climate provides forums for individuals and allied groups to publicize innovative projects taking place across the globe, from the restoration of coral reefs to the re-establishment of mangroves to large scale ranching operations that have restored grasslands and streams and brought keystone species like beaver back to the land. This helps attract funding for these projects, while also planting seeds for other individuals and groups wanting to engage directly in eco-restoration activities.
- **Spread the eco-restoration word:** To broaden the discussion we work with other organizations to incorporate the eco-restoration message into their own, thereby reaching constituencies that we wouldn't readily reach otherwise.



While reversing global warming may well be the most urgent challenge humanity has ever faced, ecosystem restoration is key to solving many other societal problems as well, all of which are interconnected. To cite a few examples:

- Healthy soils produce more nutritious food, leading to healthier communities
- Carbon-rich soils are more resilient to droughts and flooding
- Large-scale eco-restoration projects provide jobs with a sense of purpose, restoring social and economic justice at scales small and large
- Restoring abundant food and water systems eliminates a major source of global conflict.

**Biodiversity for a Livable Climate** is in the vanguard of addressing climate disruption by promoting eco-restoration in a wide variety of habitats around the world. We believe ecosystem health must be central to decision-making at all levels. **By bringing together people from all walks of life to partner with Nature, we change the climate conversation from despair to hope . . . from resignation to action . . . as we unite to restore bountiful life on Earth.**

Biodiversity for a Livable Climate is a 501(c)(3) non-profit incorporated in Massachusetts in 2013.