

ERIC TOENSMEIER
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QUALIFICATIONS

- 2023 Boston Society of Landscape Architects Design Award winner for state Healthy Soils Action Plan
- Senior Fellow for Project Drawdown 2015-2020
- Senior Fellow with Global Evergreening Alliance
- Award-winning author on perennial crops and production systems
- Consulting clients include states of Massachusetts and Veracruz, province of PEI
- Appointed lecturer at Yale University in School of Forestry and Environmental Studies master's program 2013-2020
- Operator of start-up agroforestry farm

BOOKS, CHAPTERS, & SELECTED ARTICLES

“Are Livestock Feed Additives the Future or Folly?” Drawdown Insights post, 2024.

The Status of Oak Breeding and Domestication as Food for People and Livestock. 2023.

Trees with Edible Leaves: A Global Guide. Lead author, 2023. Translated in Spanish, German, French and Czech.

The Massachusetts Healthy Soils Action Plan. Carbon specialist on team analyzing state soil status with policy recommendations, 2023.

“Estimating Land Cover-Based Soil Organic Carbon to Support Soil Health, Decarbonization, and Climate Resilience Planning”. Peer-reviewed paper, *Soil Security*, 2022.

Nutrient Composition of Perennial Vegetables in Denmark, Sweden, and the United States. Original research, lead author, 2022.

“Paradise Lot: A Temperate-Climate Urban Agroforestry Biodiversity Island”
In *Biodiversity Islands: Strategies for Conservation in Human-Dominated Environments*, 2022.

“Perennial Vegetables and Nutrition”
ECHO Development Notes, 2021.

Farming Our Way Out of the Climate Crisis

Agricultural emissions, emissions reduction, and biosequestration potential. Lead author. Project Drawdown, 2020.

“Perennial Staple Crops: Yields, Distribution, and Nutrition in the Global Food System”

Second author. *Frontiers in Sustainable Food Systems*.

“Perennial Vegetables: A Neglected Resource for Biodiversity, Carbon Sequestration, and Nutrition”

Lead author. *PLOS One*, 2020.

“How Climate Change Strategies That Use Biomass Can Be More Realistic”

Lead author with Dennis Garrity. *Scientific American*, July 2020.

“Agroforestry as a Solution for Multiple Climate Change Challenges in Africa”

Second author. Chapter in *Climate Change and Agriculture* on agroforestry and perennial crops potential in Africa. Lead author is IPCC panelist Dr. Cheikh Mbow. 2020.

Agroecología: Transformación Ecológico-Social de los Agropaisajes de Veracruz

USAID-funded policy brief on scaling up agroecology in Veracruz, Mexico, 2019.

“How We Can Make Beef Less Terrible for the Environment”

Op-ed on silvopasture and climate change in *Washington Post*, May 30, 2018.

Silvopasture: A Guide to Managing Grazing Animals, Forage Crops, and Trees in a Temperate Forest Ecosystem

Forward and feature article in book by Steve Gabriel. 2018.

“Perennial Staple Crops and Agroforestry for Climate Change Mitigation”

Chapter in *Integrating Landscapes: Agroforestry for Biodiversity Conservation and Food Sovereignty*. 2018.

Drawdown: The Most Comprehensive Plan Ever Proposed to Reverse Global Warming

Contributor to *NY Times* bestselling book on climate change mitigation solutions. 2017.

“Perennial Industrial Crops: Green Chemistry and Carbon Sequestration”

With Dr. Ann Blake. Chapter in *Handbook of Ecomaterials*. 2017.

The Carbon Farming Solution: A Global Toolkit of Perennial Crops and Regenerative Agriculture Practices for Climate Change Mitigation and Food Security

Addresses agricultural climate change mitigation, focus on biosequestration, emphasis on agroforestry. Includes global inventory of cultivated perennial staple and industrial crops. 2016.

Paradise Lot: Two Plant Geeks, a Tenth of an Acre, and the Making of an Urban Oasis.

Garden memoir tracing transformation of empty lot to thriving edible landscape. 2013.

Indigenous Use and Management of Native Plants of the Rocky Mountain and Prairie Regions.

Ethnoecology report and guide to eco-cultural restoration in Colorado. 2012.

“The Sustainable Edible Garden” in *The New American Landscape: Leading Voices on the Future of Sustainable Gardening.*

Chapter in anthology. 2011.

“How Expert Farmers Manage Crop Rotations” in *Crop Rotation on Organic Farms: A Planning Manual.*

Chapter in anthology. 2009.

Perennial Vegetables: from Artichoke to Zuiki Taro, a Gardener’s Guide to Over 100 Delicious, Easy-to-Grow Vegetables.

Award-winning book profiling perennial vegetable crops. 2007.

Edible Forest Gardens: Vision, Theory, Design and Practice for Temperate Climate Permaculture.

Co-author with Dave Jacke of award-winning two-volume book. 2005. French edition to be published in 2024.

Numerous additional articles in grey literature and online.

AWARDS

Boston Society of Landscape Architects Design Awards 2023

For Massachusetts Healthy Soils Action Plan.

New York Times Bestseller 2017

For *Drawdown: The Most Comprehensive Plan Ever proposed to Reverse Global Warming.*

American Horticultural Society Garden Book of the Year 2008

For *Perennial Vegetables.*

***ForeWord Magazine* Home and Garden Gold Medal Book of the Year Award 2008**

For *Perennial Vegetables.*

American Library Association *Choice Magazine* Outstanding Academic Title 2005

For *Edible Forest Gardens.*

EMPLOYMENT HISTORY

Sole Proprietor, Perennial Solutions (2000-present)

Writing, training, and consulting services. Projects and trainings throughout Americas and beyond. Numerous presentations including multiple conference keynotes. English and Spanish languages.

Senior Researcher, Project Drawdown (2015-2020)

Project researching climate solutions and their climate and economic impact by 2050. Mentor graduate student fellows, develop solution models, and guide overall development and integration of land-based strategies. *New York Times* bestselling book *Drawdown* released in 2017.

Appointed Lecturer, Yale University (2013-2020)

Instructor in master's degree program of School of Forestry and Environmental Studies. Teach classes on climate change mitigation and the food system.

Project Director, Tierra de Oportunidades Project, Nuestras Raíces, Holyoke, MA (2004-2009) Director of NGO project to assist limited resource Puerto Rican and refugee beginning farmers in farm start-up. Site manager of 30-acre urban farm, developed cultural agritourism destination, performed grant writing and reporting, supervised seasonal staff of 30, managed \$300,000 annual program budget, developed partnerships.

Perennial Vegetable Seed Company (1997-2000)

Founded and ran specialty seed company specializing in seeds of perennial vegetables.

EDUCATION

B.A., Permaculture and Social Ecology, June 1995

Institute for Social Ecology, Goddard College, Plainfield, Vermont. Studied sustainable agriculture and social justice in self-designed major.

ACTIVITIES & INTERESTS

Evergreening Global Alliance USA (2020-present)

Board member of global initiative to scale up agroforestry and other carbon farming practices.

Apios Institute, Board of Directors (2007-2024)

Board member of small NGO providing global wiki featuring perennial crops, polyculture systems, and agroforestry sites.

Nuestras Raíces, Board of Directors (1994-2004)

Board member of urban agriculture organization.

Fluent in English, Spanish, and botanical Latin.