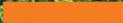
An aerial photograph of a lush, green forest. A river winds through the landscape, curving from the top left towards the bottom left. The forest is dense and vibrant green, covering the majority of the frame. The text 'GUND INSTITUTE FOR ENVIRONMENT' is centered in the upper half of the image, with horizontal lines underlining each word.

GUND
INSTITUTE
FOR ENVIRONMENT

A solid orange horizontal bar is positioned above the text 'THE UNIVERSITY OF VERMONT'.

THE UNIVERSITY OF VERMONT



SOLUTIONS

**We need
environmental solutions—fast.**

That's where we come in.

The Gund Institute for Environment mobilizes scholars and leaders to understand and solve critical environmental issues.

From our home at the University of Vermont, we accelerate research and connect scholars with leaders to tackle urgent global challenges, and to understand the complex relationships among them.

Let's dig in.

START HERE



GUND'S STRATEGY

1.

CONNECT Global challenges span disciplines—and so does our approach. By connecting world-class researchers and leaders—from government, business and society—we speed up the rate of discovery and help build a sustainable future.

2.

CATALYZE We mobilize minds and accelerate action. We fund cutting-edge research and scholarship that target real-world solutions. We support future leaders who drive innovation in the face of complex problems.

3.

FOCUS We tackle environmental issues at the interface of four pressing themes: climate solutions, health and well-being, sustainable agriculture, and resilient communities. By focusing on interactions, Gund scholars pursue novel and powerful research questions that accelerate solutions for people and the planet.





UNIVERSITY OF VERMONT

Public Ivy founded in 1791

#1 Green MBA (*Princeton Review*)

\$1.33 billion economic impact

#3 Green College (*Princeton Review*)

DISCOVERY DRIVES ACTION

UVM discoveries have far-reaching impact. They inform national and state policy on clean air, water quality, pesticides, and economic progress, and provide expertise to the public via the *New York Times*, *CNN*, *NPR* and the *Washington Post*.

How do we avoid catastrophe and thrive on a fast-changing planet?



From Greenland to the Green Mountains, **PAUL BIERMAN** investigates how climate impacts people and the planet. His work is improving sea level rise projections and snow storage innovations for the winter sports industry.

→ RENEWABLE TECHNOLOGIES ←

← CARBON CAPTURE →



CLIMATE SOLUTIONS

— **MARK BUDOLFSON** is developing next-generation global climate models—factoring in air quality and other co-benefits—to improve environmental decision-making and policy.

— **LINI WOLLENBERG** seeks to revolutionize agriculture by identifying low-emissions farming techniques while improving livelihoods and food security in developing nations.

— **CAROL ADAIR** uses big data, innovative sensors, and drones to advance our understanding of how soil, forests, and farms can better store—or reduce—greenhouse gas emissions.



AGROECOLOGY ←

→ IMPROVED GHG MEASUREMENT ←



What are the connections between human health and protecting nature?

BRENDAN FISHER'S global team of scientists are debunking the assumption that better nutrition in poorer countries requires clearing forests for farmland. His big data research shows that forests can boost childhood nutrition and health, reduce disease, and improve livelihoods.



HEALTH & WELL-BEING

DONNA RIZZO develops new computational tools to map, predict and stop the spread of neglected tropical diseases.

CHRIS DANFORTH builds algorithms that sift through billions of social media posts, searching for patterns in how our environment influences health and happiness.

CHRISTINE VATOVEC explores how pharmaceuticals and healthcare impact the environment, and the health benefits of exposure to nature.



How can we feed eight billion people and preserve one planet?

There's more at stake than the price of espresso, says **TAYLOR RICKETTS**, whose research helps protect endangered bees, which are vital to the global food supply, from coffee farmers in South America to U.S. fruit and berry growers.

→ GENETIC DIVERSITY ←

→ CROP YIELDS ←



SUSTAINABLE AGRICULTURE

ERNESTO MÉNDEZ

partners with farmers in Mexico, Central America and Vermont to advance sustainability and climate adaptation through agroecology.

MEREDITH NILES

examines food security issues, including the relationship between healthy diets, food waste and pollution.

ERIC VON WETTBERG

studies genetic diversity in wild crops, such as chickpeas, in hopes of developing resilient crops for a changing climate.



How do we create thriving communities in a crowded, changing world?

STUART HART is a global authority on how the environment and poverty impacts business strategy. A creator of UVM's top-ranked green MBA, Hart shows the vast benefits for companies and society in serving and empowering the global poor in ways that accelerate environmental sustainability. As Bill Clinton said, "Stuart Hart proposes a sustainable, socially responsible model... and compels us to seize the opportunities afforded by a fresh start."



RESILIENT COMMUNITIES

PABLO BOSE, investigating climate refugees, researches issues of culture, space, and power—and the ways in which people and landscapes transform each other.

STEPHANIE HURLEY researches and designs green stormwater infrastructure, and uses landscape visualizations to increase the adoption of climate-smart practices for farms and cities.

PAUL HINES focuses on solving challenges in the transition to clean and distributed energy systems, including the best use of wind and solar power.



FORWARD TOGETHER

Working at the intersections—of complex problems, across institutions and disciplines, internationally—is the only chance we have to fix the environmental problems we face.

OUR PARTNERS INCLUDE RESEARCHERS AND ADVISORS FROM

United Nations	University of Minnesota	CATIE
Stanford University	Earth Economics	The Nature Conservancy
Harvard University	Woods Hole Research Center	Vermont Land Trust
University of Cambridge	Michigan State University	Vermont Agency of Natural Resources
McGill University	Havana University	Audubon Society
World Wildlife Fund	Conservation International	Environmental Protection Agency
Environmental Defense Fund	U.S Department of Agriculture	USAID
Australian National University	Basque Center For Climate Change	CGAIR
University of Queensland		Future Earth

JOIN OUR GLOBAL NETWORK

The Gund global community includes over 150 researchers and leaders in 45 organizations and over 10 nations. Together, we unite the natural sciences, social sciences, business, health, engineering, and the humanities to accelerate solutions.

GUND FELLOWS are accomplished UVM faculty with a passion for interdisciplinary research and partnerships. They serve as thought leaders and help shape the Institute's research agenda.

GUND AFFILIATES are leaders and scholars who participate in the Institute and support our mission. Global Affiliates are from organizations worldwide, and UVM Affiliates are from schools and colleges across UVM.

GUND GRADUATE FELLOWS are UVM doctoral, master's, certificate and undergraduate students with strong interests in transdisciplinary research and real-world impact.

GUND POSTDOCTORAL FELLOWS are early career researchers who connect interdisciplinary research to real world issues in the environment and sustainability.

UVM.EDU/GUND





FUEL THE CHANGE

From fellowships for future leaders to Catalyst Awards for interdisciplinary partnerships, we invest in the extraordinary people and creative ideas needed to solve global challenges.

Whether you are a concerned citizen, a UVM alum, or represent a foundation or corporation, your gift to the Gund Institute will mobilize minds, accelerate action, and help to build a sustainable future.

go.uvm.edu/givegund

