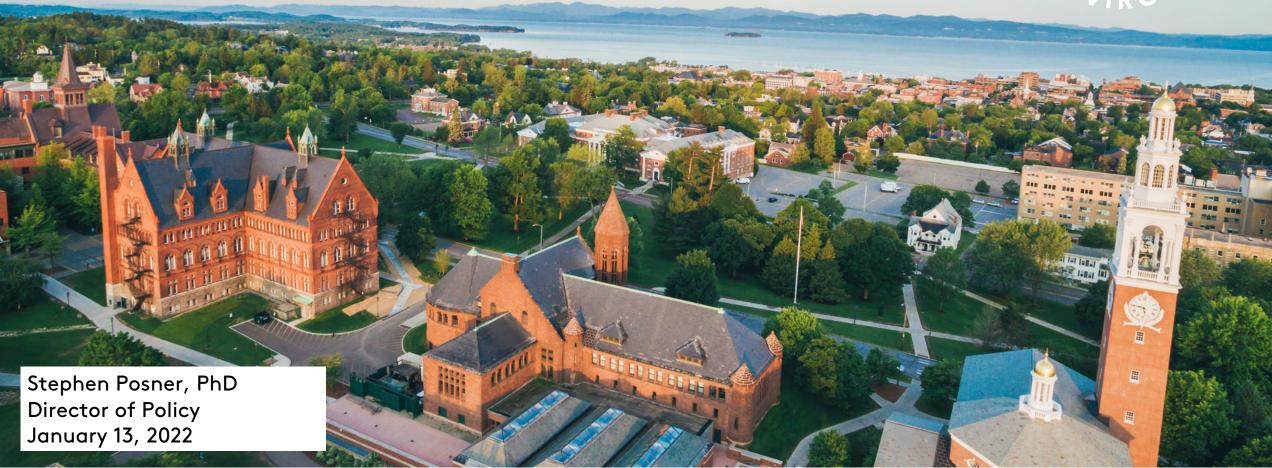
RESEARCH UPDATES GUND INSTITUTE FOR ENVIRONMENT







RESEARCHIATIAN INSPIRED ACTION

Sustainable Agriculture Climate Solutions Resilient Communities Health and Well-Being Equity and Justice



WE CONNECT WORLD CLASS SCHOLARS



RECENT EXAMPLES

Vermont Climate Assessment

Flood risk in Vermont

Payment for Ecosystem Services and Soil Health
Working Group

VERMONT CLIMATE ASSESSMENT

- Our current best understanding of climate change impacts and risks in Vermont
- Key input into state climate planning decisions
- Alignment between science and decision making

VERMORT GLIMATE ASSESSMENT

CLIMATE CHANGE IS HERE











Climate change is here – and impacting communities across Vermont.

Vermont is getting warmer. Winters are warming more quickly. Snow season is getting shorter.

Vermont is getting wetter.

Heavy rain events happen more often, contributing to more flooding and water quality problems.







Multiple, complex impacts could lead to surprises.

Climate impacts and risks will increase without action.

Dig in to learn more...





FLOOD RISK IN VERMONT

- Increasing flood risks
- More exposure for low income and socially vulnerable populations
- Need to evaluate different solutions
- Functioning Floodplains Initiative

PAYMENT FOR ECOSYSTEM SERVICES AND SOIL HEALTH WORKING GROUP

- · Incentives to encourage farmers to improve soil health
- Also examining carbon storage and reduced runoff
- Many partners AAFM, UVM Extension, Gund, and more
- Gund research helps ground the dialogue in science,
 evaluate program design options, and advise decisions

ADDITIONAL EXPERTISE

- Food insecurity
- Water, hydrology, nutrient runoff, flood mitigation
- Spatial analysis
- Plant and soil science





THANK YOU

STEPHEN POSNER, PhD

Policy Director 802.656.2591 sposner@uvm.edu



