

Proposed edits to current “[Climate Action Guided by Data](#)” webpage:

Climate Change

Using evidence to improve the impact of climate policies and programs.

[Connect with an Expert button]

“Win-win” climate adaptation solutions that improve public well-being while reducing greenhouse gas (GHG) emissions are more vital than ever—especially among in marginalized communities that are disproportionately at risk. These challenges require collaborative and creative problem-solving.

At Mathematica, we’re committed to just that. Our researchers, evaluators, data and social scientists, and subject matter experts collaborate across sectors to uncover the evidence and insights needed to address the challenges of climate change. We leverage data spanning from satellite to localized, innovative analytical tools, and policy analysis and evaluation expertise to help partners measure progress and improve enhance the impact of their climate adaptation policies and programs. Our work today catalyzes momentum for climate resilience to prevent the need for more complicated and costly solutions in the future.

Our climate change experts provide policymakers, funders, and communities across the globe with a full range of offerings related to climate action and monitoring, evaluation, and learning (MEL):

- **Evaluation and measurement** to assess the effectiveness efficacy of climate change policy to and understand the multi-sectoral impacts of climate policy interventions
- **A full-service learning partnership** across the strategy lifecycle, working with our clients to develop strategy, design interventions and build capacity, generate evidence, and disseminate and apply lessons
- **Data platforms and visualization tools** that allow enable users to readily access, synthesize, and analyze a diverse range of climate change data with enhanced spatial and temporal resolutions that strengthen monitoring and tracking
- **Decision support tools** to evaluate sustainability scenarios, track resilience, enable predictive modeling, and prioritize interventions
- **Technical assistance** to build capacity to use evidence for designing, evaluating, and implementing climate policies and programs

Learn more about [how we can partner](#) to maximize the impact of climate solutions with evidence.

Our climate action focus areas

As the go-to partner to deliver MEL for climate, we help clients understand the effects of climate change and explore solutions across a range of sectors, including agriculture, health, energy, water, sanitation

Commented [CT1]: The current version of this subhead is a complete sentence. In keeping with that, consider

“Evidence enhances the impact of climate policies and programs.”

Commented [CT2]: Consider “Our data sources range from satellites to localized, innovative analytical tools, and our policy analysis and evaluation expertise helps partners...”

Commented [CT3]: Or “share”

and hygiene, education and workforce, livelihoods and economic stability, and nutrition. Below is Here's a look at a snapshot of our work in a few key sectors. [Drop-downs]

Climate and Agriculture

The agriculture sector is ~~both~~ a ~~central~~main contributor to climate emissions globally. However, agriculture is also and an essential source of economic stability that supports rural livelihoods ~~and economic stability that are~~ threatened by climate change. We apply extensive knowledge of agricultural systems challenges to ~~increase understanding~~determine of the effects of which interventions ~~are effective and~~ designed to improve their performance and sustainability ~~internationally~~. Through our agriculture evaluations, we generate insights into the ~~impacts~~ benefits of improved and sustainable farming practices, ~~improved~~ water management, and post-harvest technologies, ~~and agricultural productivity on for~~ smallholder farmers. Projects include: supporting AGRA in implementing its MEL strategy and developing USAID's GHG emissions calculator for agriculture, forestry, and land use (AFOLU) projects.

Climate and Energy

Access to modern energy services is necessary to enhance economic opportunity and stability, improve living standards, and increase national and regional resilience to climate change. We provide data collection and data analytics solutions that help our clients ~~understand energy usage, inform~~ policymaking, and analyze the efficacy of green energy investments. Projects include: the Caribbean Clean Energy Financial Landscape Assessment and our helping work with the Millennium Challenge Corporation ~~to understand highlight~~ how its investments could lead to more reliable ~~and~~ higher-quality electricity in Benin, Ghana, and Liberia, in addition to previous work in Tanzania.

Commented [CT4]: Is there something specific about energy usage we help our clients to understand?

Climate and Health

Historically marginalized communities are ~~disproportionately exposed to climate-related natural disasters and susceptible to their health effects.~~ Using advanced analytics and dynamic visualizations, we surface-underscore the complex relationships between exposure, sensitivity, and capacity, and identify who is most vulnerable to climate-related health issues. In so doing, we generate understanding of the conditions that should trigger emergency warnings to protect vulnerable residents and help communities and health systems bolster their climate resilience. Projects Our and work in this area include ~~s: the Catalyzing State Medicaid Leadership on Climate Change Mitigation project~~ and ClimaWATCH.

[Featured Project – ClimaWATCH]

[Evidence and Insights]

[Partners in Progress]

Commented [CT5]: Technically, to make it clear "disproportionately" applies to "natural disasters" & "health effects," this should read:

"Historically marginalized communities are disproportionately (1) exposed to climate-related natural disasters and (2) susceptible to their health effects."

As is, it reads as if "disproportionately" only applies to the natural disasters (though I think readers may not read it as closely as I am!)

Proposed edits to "Climate Action" CTA box:

Climate Change

Our climate change experts help clients and partners uncover and use evidence to improve the impact of their climate adaptation policies and programs across sectors.