Heatprint™
Decision Intelligence for Climate Capital

A primer for enterprise, investors, carbon markets, and governments

GLOBAL HEAT REDUCTION™
CLIMATE DECISION INTELLIGENCE

Global Heat Reduction (GHR) gives climate capital allocators in the private and public sectors a **crucial new decision tool: the Heatprint™**– a time-resolved view of how emissions and reductions affect atmospheric heat. It complements conventional carbon accounting and shows which actions and investments best support returns, risk reduction, and operational resilience.

THE PROBLEM

CO_2e measures how much you emit, not how much warming, or near-term risk, those emissions cause. The metric treats every GHG tonne as interchangeable over a 100-year period (GWP100), masking or omitting the outsized impact of super pollutants like methane, HFCs, and black carbon, which warm the planet tens to thousands of times more than CO_2 in the near term. As a result, capital is misallocated, near-term risks are underestimated, and the fastest climate levers go unfunded. Businesses and governments need a decision-useful metric now to steer their investments and commitments toward solutions that slow the warming, faster.

THE SOLUTION: HEATPRINT

We don't have 100 years to solve this problem. GHR's Heatprint™ provides climate decision intelligence for measuring and comparing the warming impact of emissions and mitigation pathways across decision-relevant timeframes such as 2030, 2040, and 2050. With Heatprint data, businesses, governments, and investors can prioritize investments and actions that have the maximum return.

WHY NOW?

Enterprises, investors and carbon markets, and governments are converging on the need for more granular climate information to support their net zero commitments over the next few decades, consistent with the Paris Agreement 1.5–2°C target. A more comprehensive accounting approach that prioritizes faster results is vital given limited time and resources.

MARKET SIGNALS POINT TO HEATPRINT

- **Science:** 250 scientist signatories to the 2026 Angera Declaration, supporting assessment of gases “based on their temperature impacts over time.” The IPCC's 2027 Methodology Report will, for the first time, provide inventory guidance for super pollutants currently included only in GHR's Heatprint.
- **Regulations:** Mandatory climate-risk disclosure now spans 28+ jurisdictions and over half of global GDP (IFRS S2,CSRD, California SB 253/261) — all built on CO_2e, none yet pricing near-term warming.
- **Corporates:** References to "heatwave" or "extreme heat" in corporate filings have roughly tripled over the past five years among Bloomberg World Index companies (BloombergNEF, 2026).
- **Private Equity:** $700B+ in PE assets currently screened for heat risk (Bloomberg, 2026) — within a climate risk-analytics industry projected to reach ~$7.7B by 2034 (Fortune Business Insights, 2026).
- **Insurance:** Nearly all insurers say climate scenarios through 2030 are more actionable for underwriting than decades-out horizons, yet only 43% say their underwriting is meaningfully informed by physical risk scenarios today (MSCI, 2026).

THE SCIENCE BEHIND THE HEATPRINT

GHR generates Heatprints through the Total Climate Accounting Framework, a CO_2e-PLUS approach that captures the full range of climate drivers — long-lived GHGs, short-lived gases, black carbon and other aerosols — across every decision-relevant timeframe. The Framework is grounded in IPCC consensus science on radiative forcing (AR5 & AR6), the physical basis of all CO_2e metrics, and its equations were independently reviewed and endorsed by members of the UNEP-convened Climate and Clean Air Coalition's (CCAC) Scientific Advisory Panel.

VALIDATION

- **Winner, 2026 Keeling Curve Prize (Finalist, 2025)** – "Awarded for groundbreaking innovation" in climate finance.
- **Scientific Endorsement from Dr. Drew Shindell —** Leading US expert on super pollutants; Duke University faculty; Chair, CCAC Scientific Advisory Panel: "The only accounting approach I'm aware of that includes all of the different drivers of climate change and quantifies the impacts at multiple time periods."
- **Wide Press Coverage** – in business, consumer, and trade press including The Washington Post, Forbes, The Associated Press, South China Morning Post, Devex, Grist, and more.
- **Speaking Engagements** – at leading climate and industry events including COP30, Trellis Impact, Expo West, Climate Weeks in NY, SF, BOS.

WHO WE SERVE

Enterprise

CEOs, CFOs, CSOs, Infrastructure Managers

Prioritize mitigation by risk reduction and climate ROI. Track progress against baseline via **Heatprint Progress Scoring**. Custom decision analytics comparing strategies by heat reduction vs. CO_2e.

Investors & Carbon Markets

Asset managers, credit buyers, projects, marketplaces

Differentiate credits and portfolios by near-term warming prevented. **Heatprint Credit Score** offers a free reference score by project type; portfolio analytics available as a paid add-on.

Data Services and Platforms

SaaS for carbon accounting and ESG management

Add time-resolved heat impact metrics to your datasets via the **Heatprint API** — an integration layer for client-facing reporting.

Government

Public agencies, districts, committees, boards

Incorporate all climate drivers in data collection and analysis for action plans that prioritize cost-efficient impact for taxpayers using **Heatprint Analysis**.

PROOF POINTS

- **Carbon Markets** – A Heatprint of a U.S. energy company's well-capping project ***reduced 3.7× more near-term heat*** over 10 years than a CO_2-only project with the same 1,000 tonnes CO_2e reduced.
- **Enterprises** – A California municipal waste operator ***reshaped its investment priorities*** after the Heatprint revealed materially different near-term impact between projects with the same CO_2e reduction over 100 years.
- **Data Platforms** – Heatprint has been integrated into climate data platform, *Open Carbon Protocol.*

TESTIMONIALS

- *"Made me realize it may be better to tackle composting before fleet electrification."* ***— William Kelley, NRWS***
- *"Gives companies a clearer picture of where and how to act."* ***— Claire Loudis, Lotus Foods***
- *"By converting carbon footprints into Heatprints, GHR is transforming how companies measure, act, and report on super pollutant emissions in their operations."* ***— Courtney Pineau, Climate Collaborative***
- *"New method promises to upend accounting for short-lived pollutants."* ***— Trellis, 2025***

Ready to see how Heatprint applies to your work? Let's talk.

Contact: info@heatreduction.com • Kiff Gallagher, Founder & CEO

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