Decision Intelligence for Climate Impact

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

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 mitigation actions affect atmospheric heat. It complements conventional carbon accounting and shows which actions reduce climate risk, over which timeframes, and with the greatest climate ROI.

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 lower risk and 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 greatest climate return per dollar spent.

WHY NOW?

Enterprise, policymakers and regulators, carbon markets, and investors 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

- **Capital Markets:** Private equity is screening $700B+ in assets for heat risk, in an analytics market projected to double to ~$13B by 2030 (BCG/Bloomberg); Insurers (Allianz, Swiss Re, Munich Re) are now pricing for heat risk.
- **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.
- **Science:** 250 scientist signatories to the 2026 Angera Declaration, supporting assessment of gases “based on their temperature impacts over time.” The Intergovernmental Panel on Climate Change (IPCC) 2027 Methodology Report will, for the first time, provide inventory guidance for the super pollutants included in GHR's Heatprint.
- **Companies and NGOs** call for time-resolved, pollutant-specific metrics (Google, Disney, Amazon, JP Morgan, Meta, Spark Climate Solutions, Cascade Climate, IGSD, CCAC).

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 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."
- **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."
- **Media** – Wide coverage in business, consumer, and trade press including The Washington Post, Forbes, The Associated Press, South China Morning Post, Devex, Grist, and more.
- **Featured speaker** – Leading climate and industry events (e.g., COP30, Trellis Impact, Expo West, Climate Weeks in NY, SF, BOS).

WHO WE SERVE

Enterprise

CSOs, CFOs, boards, infrastructure managers

Identify hotspots in the carbon footprint, prioritize for climate ROI, and report annual Heatprint reduction alongside emissions reduction.

Investors & Carbon Markets

Asset managers, credit buyers, projects, marketplaces

Measure the near-term heat your portfolio causes; differentiate credits and holdings by the warming they prevent within your investment horizon.

Data Services and Platforms

SaaS for carbon accounting and ESG management

Add time-resolved heat impact metrics to climate datasets for enhanced client decision-making and 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.

PROOF POINTS

- **Carbon Credits** – A Heatprint showed that a 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.
- **Mitigation Prioritization** – 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. Client lead: "It made me realize it may be better to tackle those methane emissions before other projects."

LET'S TALK

- **Enterprise and Government:** A Heatprint assessment of your operations, portfolio, or projects for near-term risk reduction and climate ROI.
- **Project Developers:** Heatprint data and visuals that reveal the full climate value of your projects and credits.
- **Investors and Asset Managers:** A Heatprint of your portfolio, or of the credits you're comparing, aligned with your horizon and climate goals.
- **Climate Data Platforms:** Integrating time-resolved, CO_2e-PLUS data into your platform.

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