

Climate TRACE Nov. 2024 Data Release

Approved Media Quotes

Partners and Users:

"With the facility level data from Climate TRACE, Polestar is able to assess the emissions from aluminum suppliers in China and to identify opportunities to reduce supply chain emissions by sourcing from suppliers with a lower carbon intensity." / "Regarding the Chinese aluminum analysis and the findings around tradeoffs between distance and emissions, our main insight was that the transport emissions are minimal and that it doesn't add that much to the total. It's the aluminum itself that stands for the major parts of GHG emissions."

-Emil Inberg, Environmental Sustainability Specialist, Polestar

"Two Sigma is excited about its ongoing partnership with WattTime and Climate TRACE to share climate-aware open-source data and technology with the global community. Additionally, Climate TRACE's emissions data has helped us to further measure and drive lower emission compute practices across our organization."

-Jennifer Badolato, Tech Lead, Two Sigma Sustainability Science

"As part of our collaboration with the SMAC (Subnational Methane Action Committee) coalition, we're planning to leverage Climate TRACE data to enhance our subnational GHG emissions inventory, with a special focus on tracking methane emissions. This will be instrumental in shaping Córdoba's strategies for reducing emissions and advancing the energy transition. With these insights, we aim to develop a more accurate and actionable approach to tackling climate change at a subnational level."

-Pablo Gabutti, Secretary of Energy Transition, Ministry of Infrastructure and Public Services, province of Córdoba, Argentina

"Climate TRACE is the best game in town with data to tell us exactly where pollution is happening and the biggest opportunities to address inequalities and injustice. We are combining data from Climate TRACE with solutions science to surgically pinpoint locations where proven solutions do the most good for the climate crisis and human health."

-Jonathan Foley, Ph.D., Executive Director, Project Drawdown

"The CREATE Lab at Carnegie Mellon University examined Climate TRACE data to understand who is most affected by industrial point-source pollution in specific locations around the world. For example, in portions of 'Cancer Alley' where large industrial sources contributed 3 micrograms/m³ or more of PM_{2.5} pollution to the air on average in 2022, we found that poverty was concentrated at a much higher rate than the surrounding areas, with 26.8% of residents

living in poverty compared to 17.8% in the region at large. This same pattern of disparity consistently repeats itself around the globe.”

-Mickey McGlasson, Community Data Scientist, The CREATE Lab, Carnegie Mellon University

“Rapid changes in climate, energy, and supply chains underscore the urgent need for accurate, transparent and timely carbon information. We are excited to collaborate with Climate TRACE to combine cutting-edge observations and capabilities to link actions on local-scale emissions to impacts on global-scale GHG concentrations.”

-Kevin Bowman, Engineering and Science Directorate Principal, NASA Jet Propulsion Laboratory (JPL)

“The Clean Air Fund is delighted to support Climate TRACE to develop and launch this ground-breaking dataset for emissions of key air pollutants including black carbon, certain other particulate matter, sulfur oxides and nitrogen oxides. Around the world, affected communities are on the frontlines of air pollution and climate change, and tools like Climate TRACE's emissions map are a vital part of enabling effective policymaking, health studies, and climate resilience planning, particularly for communities in regions that are most impacted by pollution.”

-Jane Burston, CEO and founder, Clean Air Fund

“The Climate TRACE emission inventories, and the underlying methodologies and data sources, are becoming indispensable benchmarks for the continuous development of theecoinvent Life Cycle Inventory database. For this year’s database release, data from Climate TRACE on methane released from coal mining have been incorporated to improve regionalization on this important activity.”

-Carl Vadenbo, Database Content Lead, ecoinvent

Climate TRACE co-founders:

“Despite pledges and promises, global greenhouse gas emissions continue their steady rise, bringing with them the toxic air pollution that disproportionately impacts communities with fewer resources. But when climate leadership at the global and national levels has faltered, it is state and local leaders who have stepped in to fill the void. Now, with the help of breakthroughs in AI, Climate TRACE is filling an information void that has previously hindered local leaders from taking effective action to combat the global climate crisis and environmental injustice.”

-Al Gore, Former U.S. Vice President and Climate TRACE Co-founder

“We see a stark pattern that often many resources have already been invested in measuring and reducing emissions in some communities, while others have been all but ignored. The newest Climate TRACE inventory finds enormous untapped potential for emissions reductions by investing in these overburdened communities. Intriguingly, we find this often both reduces

pollution inequality and reduces more emissions in total – without requiring any more resources.”

-Gavin McCormick, Executive Director, WattTime and Co-founder, Climate TRACE