



CLIMATE TRACE



Data Downloads

Climate TRACE emissions data is free and publicly available for download and via API.

Each download package includes annual country-level emissions by sector and by greenhouse gas from 2015-2022, the applicable inventory of emissions sources, emissions source ownership, confidence and uncertainty data where available. This is the simplest way to access Climate TRACE data in bulk and is the ideal choice for most people.

View downloads by

[Sector](#)

[Country](#)

Sector	Data/Methodology
Agriculture •	↓ CSV ↓ PDF
Buildings •	↓ CSV ↓ PDF
Fluorinated Gases •	↓ CSV ↓ PDF
Fossil Fuel Operations •	↓ CSV ↓ PDF
Forestry And Land Use •	↓ CSV ↓ PDF

Mineral Extraction[•]

↓ CSV ↓ PDF

Power[•]

↓ CSV ↓ PDF

Transportation[•]

↓ CSV ↓ PDF

Waste[•]

↓ CSV ↓ PDF

Some researchers and other expert users may be interested in accessing the most detailed version of the Climate TRACE dataset. Because the full Climate TRACE dataset now includes detailed data on over 352 million emitting assets (totalling billions of datapoints), it must be stored across multiple extremely large files using specialized file formats (e.g. TIFF). Due to this large file size, the most detailed version of the data are available upon request.

This more granular version of the data covers the same emitting sources as available via the main downloads, but in greater granularity. Currently, that includes: global forestry and land use at 1km by 1km distribution; global synthetic fertilizer application geospatial data at 25km by 25 km; rice cultivation geospatial data at 10m by 10m; emissions from individual ship; and local road segments. If you are interested in the most detailed version of the data, please [contact us](#) to arrange a file transfer. We're here to support your climate-related initiatives and provide the data you need to make a difference.

↓ [About the data](#)

Public API Beta

Data scientists and other expert users who are experienced in programmatically interacting with databases may be interested in trying the Climate TRACE API, now available in *beta*. The API supports search for emitting assets by sector, owner, location; query to get emissions and other asset details; and lookup of aggregated emission by countries. Read details in the [API Reference](#).

News & Insights



FEB 26, 2024

As Arctic Ice Thaws, Questions Around Arctic Shipping Heat Up

Ocean shipping could climb significantly in the years ahead, with maritime trade expected to triple by 2050. But there are concerns that the changing climate will open up previously unnavigable or unviable trade routes — especially in the Arctic.



Nick Wise
OceanMind

DEC 27, 2023

Conversations With The CLIMATE TRACE Wise

We recently caught up with Nick Wise, CEO & Founder of OceanMind, about emissions estimates for the shipping industry.



DEC 02, 2023

Climate TRACE Unveils Open Emissions Database Of More Than 352 Million Assets

The Climate TRACE inventory includes every country and territory in the world, every major sector of the global economy, and nearly every major source of greenhouse gas emissions. Tesla, Polestar, Boeing, and others have already moved swiftly to leverage the new dataset to pinpoint decarbonization opportunities in their supply chains.

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CLIMATE TRACE

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