

Overview of 80+ Climate Data Platforms

[1.5°C National Pathway Explorer](#)

Climate Analytics

This tool shows how a selection of 64 countries across all regions and the development spectrum can align their decarbonisation trajectories with the Paris Agreement.

Mitigation

Regional, Country

Interactive Charts, Report

Advocacy Organizations/NGOs, General Public, Government
2008

[Adaptation Gap Report](#)

UN Environment Programme

The UNEP Adaptation Gap Report looks at progress in planning for, financing and implementing adaptation.

Adaptation

Regional, Country

Report

Advocacy Organizations/NGOs, Corporate, Government
1972

[C-ROADS](#)

Climate Interactive

C-ROADS helps people understand the long-term climate impacts of national and regional greenhouse gas emission reductions at the global level.

Mitigation

Global, Regional, Country

Interactive Charts

Advocacy Organizations/NGOs, Corporate, General Public, Government, Investors, Media/journalists
2005

[CDP Open Data Portal](#)

Carbon Disclosure Project

Collection of datasets going as far back as 2011 on climate-related risks and opportunities, emissions, mitigation, adaptation, energy, and water in cities, states, and regions worldwide.

Adaptation, Finance, Mitigation, Energy, Forest & Agriculture

Asset-level, Regional, State, City, Business, Non-state actor

Interactive Maps, Raw Data, Report

Advocacy Organizations/NGOs, Corporate, General Public, Government, Investors

2000

[CEOS Global Stocktake Portal](#)

Committee on Earth Observation Satellites

A collection of datasets and guidance being developed by CEOS space agencies and partners to support the Global Stocktake process of the Paris Climate Agreement. The data includes direct measurements of atmospheric GHG concentrations, and high spatial resolution observations of land cover type, above-ground biomass and disturbances.

Mitigation, Forest & Agriculture

Geospatial data, Global

Raw Data, Report, Resource aggregator

Academic, Government

1984

[Climate Action Tracker](#)

Climate Analytics, NewClimate Institute, Institute for Essential Services Reform (IESR), The Potsdam Institute for Climate Impact Research (PIK)

The Climate Action Tracker (CAT) tracks progress towards the globally agreed aim of holding warming well below 2°C and efforts to limit warming to 1.5°C.

Mitigation, Policy

Global, Regional, Country

Interactive Charts, Interactive Maps, Raw Data, Report

Advocacy Organizations/NGOs, General Public, Government

2009

[Climate Central Data Tools](#)

Climate Central

Climate Central communicates climate change science, effects, and solutions to the public and decision-makers. Climate Central uses science, big data, and technology to generate local storylines and compelling visuals that make climate change personal and show what can be done about it.

Adaptation, Equity

Global, Country, City

Interactive Charts, Interactive Maps, Report
Corporate, General Public, Media/journalists
2008

[Climate Chance Cartography](#)

Climate Chance Association

Tracker for all the climate initiatives carried out at the global level by non-state actors, identified by Climate Chance.

Mitigation, Adaptation, Policy

Non-state actor

Interactive Maps

Advocacy Organizations/NGOs, General Public
2015

[Climate Change Knowledge Portal \(CCKP\)](#)

World Bank

The Climate Change Knowledge Portal (CCKP) provides global data on historical and future climate, vulnerabilities, and impacts, and the relationship between climate and development

Adaptation

Country

Interactive Charts, Interactive Maps, Raw Data, Report, Resource aggregator

Academic, Advocacy Organizations/NGOs, General Public, Government
2011

[Climate Change Laws of the World](#)

Grantham Research Institute on Climate Change and the Environment, Sabin Center for Climate Change Law

This database covers climate and related laws and laws and policies that promote low carbon transitions relevant to areas like energy, transport, land use, and climate resilience.

Adaptation, Finance, Mitigation, Energy, Policy

Country

Interactive Maps, Report

Corporate, General Public, Government
2008

[Climate Change Performance Index \(CCPI\)](#)

Germanwatch, NewClimate Institute, Climate Action Network (CAN)

The CCPI tracks 60 countries and the EU's climate action performance by modeling GHG emissions, energy use, and climate policy efforts.

Mitigation, Policy, Energy

Regional, Country

Interactive Charts, Interactive Maps, Report
Academic, General Public, Government
2005

[Climate Equity Reference Calculator](#)

Climate Equity Reference Project (CERP), EcoEquity, Stockholm
Environment Institute

The Calculator lets users specify their own interpretation of national responsibility and capability for climate action to determine each country's implied fair share of the global mitigation effort.

Mitigation, Equity

Global, Regional, Country

Interactive Charts, Raw Data

Advocacy Organizations/NGOs, Government
2015

[CPI Climate Finance Landscape](#)

Climate Policy Initiative

The Climate Finance Landscape provides the most comprehensive overview of global climate-related primary investment across public and private sources.

Finance, Energy

Global, Regional, Country, Business

Raw Data, Report

Academic, Advocacy Organizations/NGOs, Corporate, Government,
Investors
2009

[Climate Funds Update](#)

The Heinrich Böll Foundation, ODI

Data dashboard that presents data on the pledges, deposits and the project approvals made by multilateral climate change funds designed to help developing countries address the challenges of climate change.

Finance

Regional, Country, State, Business, Non-state actor

Interactive Charts, Interactive Maps, Raw Data

Advocacy Organizations/NGOs, Corporate, Government, Investors
2010

[Climate Impact Explorer](#)

Climate Analytics

This tool projects the severity of climate change impacts over time in continents, countries and provinces at different levels of warming, starting with 1.5°C.

Adaptation

Global, Regional, Country

Interactive Charts, Interactive Maps, Raw Data

Academic, Advocacy Organizations/NGOs, General Public, Government
2008

[Climate Impact Lab](#)

Rhodium Group, University of California, Berkeley, Energy Policy Institute (EPIC) at the University of Chicago, Rutgers University.

The Climate Impact Lab has a comprehensive body of research quantifying the impacts of climate change, sector-by-sector and community-by-community around the world.

Adaptation, Equity

Global, Country

Interactive Maps, Report, Raw data

Academic, Advocacy Organizations/NGOs, Corporate, General Public, Government, Investors

2017

[Climate Initiatives Platform \(CIP\)](#)

UN Environment, UNEP Copenhagen Climate Centre

This portal collects, tracks, and shares information on international cooperative climate initiatives driven by non-state actors such as businesses and cities, often with support from national states.

Adaptation, Mitigation, Policy

State, City, Business, Non-state actor

Resource aggregator

Advocacy Organizations/NGOs, Corporate, General Public, Government

2016

[Climate Policy Database](#)

NewClimate Institute, PBL Netherlands Environmental Assessment Agency, Wageningen University and Research

This database collects information on climate mitigation policies and creates a comprehensive policy package to mitigate the effects of climate change.

Policy

Global, Regional, Country

Report, Resource aggregator

Corporate, Government

2019

[Climate Policy Tracker](#)

We Mean Business, Business for Social Responsibility (BSR)

Tool that provides business with up-to-date information on climate laws and regulation, enabling users to search for climate regulations based on industry or geography.

Adaptation, Finance, Mitigation, Energy, Policy

Country, Business

Resource aggregator

Academic, Advocacy Organizations/NGOs, Corporate, Government, Investors

2017

[Climate Trace](#)

Climate TRACE (Tracking Real-time Atmospheric Carbon Emissions) Coalition, Blue Sky Analytics, CarbonPlan, Earthrise Alliance, Hudson, Carbon, Hypervine, Johns Hopkins University Applied Physics Laboratory, OceanMind, RMI, TransitionZero, WattTime, former U.S. Vice President Al Gore

Climate TRACE is harnessing satellites and artificial intelligence to advance emissions monitoring through direct observation and open data. Climate TRACE's emissions inventory is the world's first comprehensive accounting of GHG emissions based primarily on direct, independent observation.

Mitigation

Asset-level, Geospatial data, Global, Regional, Country, State, City, Business, Non-state actor

Interactive Charts, Interactive Maps, Raw Data, Report

Academic, Advocacy Organizations/NGOs, Corporate, General Public, Government

2021

[Climate Transparency Reports](#)

The Berlin Governance Platform in collaboration with Climate Analytics is currently acting as the international secretariat of Climate Transparency. Climate Transparency is a global partnership with a shared mission to stimulate a "race to the top" in climate action in G20 countries through enhanced transparency. Climate Transparency brings together the most authoritative climate assessments and expertise of stakeholders from G20 countries. Jointly, these experts develop a credible, comprehensive and comparable picture on G20 climate performance: The Climate Transparency Report covers easy-to-use information on all major areas such as mitigation and climate finance and includes detailed fact sheets on all G20 countries. It is published on an annual basis on the eve of the G20 Summit.

Adaptation, Finance, Mitigation, Energy, Policy

Regional, Country
Report
Government
2014

[Climate Watch](#)

World Resources Institute

Climate Watch is an online platform designed to share open climate data, visualizations and resources on national and global progress on climate change. Climate Watch brings together dozens of datasets to let users analyze and compare the Nationally Determined Contributions (NDCs) under the Paris Agreement, access historical emissions data, discover how countries can leverage their climate goals to achieve their sustainable development objectives and use models to map new pathways to a lower carbon, prosperous future. This free platform enables users to create and share custom data visualizations and comparisons of national climate commitments. It contributes to the goals of the Paris Agreement by using open data to increase transparency and accountability and providing actionable analysis on how countries can enhance their efforts to combat climate change.

Mitigation, Energy, Policy

Global, Regional, Country

Interactive Charts, Interactive Maps, Raw Data, Report, Resource
aggregator

Academic, Advocacy Organizations/NGOs, Corporate, General Public,
Government, Investors, Media/journalists

2016

[ClimateScope](#)

Bloomberg New Energy Finance (BNEF)

Climatescope is an online market assessment tool, report and index that evaluates the relative readiness of individual nations to put energy transition investment to work effectively. It provides snapshots of current clean energy policy and finance conditions that can lead to future capital deployment and project development.

Finance, Mitigation, Energy

Global, Regional, Country

Interactive Charts, Report

Corporate, Government, Investors

2011

[Data.gov - Climate](#)

Office of Management and Budget (OMB) of the United States Government

Collection of raw data and resources related to related to climate change, collated by the US government. Includes data on coastal flooding, food resilience, water, ecosystem vulnerability, human health, energy infrastructure, transportation, and the Arctic region.

Adaptation, Finance, Mitigation, Energy, Forest & Agriculture, Policy
Regional, Country, State

Raw Data, Report, Resource aggregator

Advocacy Organizations/NGOs, Government

2003

[EarthTime](#)

Carnegie Mellon CREATE Lab, World Economic Forum

EarthTime, stitching together and animating high-definition satellite imagery, ties together diverse data layers in a map interface to show the patterns and connections behind some of the major social and political trends of the past two decades – and how they are inscribed into fast-changing landscapes.

Mitigation, Forest & Agriculture

Geospatial data, Global, Regional, Country, State

Interactive Maps

Advocacy Organizations/NGOs, General Public, Media/journalists

2015

[EDGAR \(Emissions Database for Global Atmospheric Research\)](#)

European Commission

EDGAR is a multipurpose, independent, global database of anthropogenic emissions of greenhouse gases and air pollution on Earth. EDGAR provides independent emission estimates compared to what reported by European Member States or by Parties under the United Nations Framework Convention on Climate Change (UNFCCC), using international statistics and a consistent IPCC methodology. EDGAR provides both emissions as national totals and gridmaps at 0.1 x 0.1 degree resolution at global level, with yearly, monthly and up to hourly data.

Mitigation

Geospatial data, Global, Regional, Country

Interactive Charts, Interactive Maps, Raw Data, Report

Academic, Advocacy Organizations/NGOs, Government

1970

[GHG Monitoring from Space: Mapping of Capabilities](#)

Group on Earth Observations (GEO), Climate TRACE, and the World Geospatial Industry Council (WGIC)

This GHG Monitoring from Space report maps the current and emerging capabilities of space-based monitoring of greenhouse gases (GHGs) worldwide, from 33 Open Satellite-Based Earth Monitoring Tools.

Mitigation, Forest & Agriculture

Geospatial data

Report, Resource aggregator

Academic, Government

2021

[U.S. Energy Information Administration \(EIA\)](#)

U.S. Energy Information Administration (EIA)

EIA collects and analyzes data covering energy production, stocks, demand, and prices and prepares reports on its interaction with the economy and the environment.

Energy, Mitigation

Asset-level, Regional, Country, State

Interactive Charts, Interactive Maps, Raw Data, Report, Resource aggregator

Academic, Advocacy Organizations/NGOs, Corporate, General Public, Government

1978

[UNEP Emissions Gap Report](#)

UN Environment Programme

The UNEP Emissions Gap Report (EGR) series tracks our progress in limiting global warming well below 2°C and pursuing 1.5°C in line with the Paris Agreement. Since 2010, it has provided an annual science-based assessment of the gap between estimated future global greenhouse gas (GHG) emissions if countries implement their climate mitigation pledges, and where they should be to avoid the worst impacts of climate change. Each year, the report also highlights key opportunities to bridge the emissions gap, tackling a specific issue of interest.

Mitigation

Global, Regional, Country

Report

Advocacy Organizations/NGOs, Corporate, Government

1972

[ICAP Emissions Trading Systems Map](#)

International Carbon Action Partnership (ICAP)

The Emissions Trading Scheme (ETS) map provides and visualizes up-to-date information on ETSs around the world – including systems that are in force, under development and under consideration. It is an interactive map

that features downloadable factsheets and gives granular information on individual emissions trading scheme aspects.

Mitigation, Finance, Policy

Regional, Country, State

Interactive Charts, Interactive Maps, Raw Data, Report

Advocacy Organizations/NGOs, Corporate, Government

2021

[En-ROADS](#)

Climate Interactive

En-ROADS is an online simulator that provides policymakers, educators, businesses, the media, and the public with the ability to test and explore cross-sector climate solutions. Users can test the impact that dozens of policies—such as electrifying transport, pricing carbon, and improving agricultural practices—have on hundreds of factors like energy prices, temperature, air quality, and sea level rise.

Adaptation, Finance, Mitigation, Energy, Forest & Agriculture, Policy, Equity
Global

Interactive Charts, Raw Data

Academic, Advocacy Organizations/NGOs, Corporate, General Public,

Government, Investors, Media/journalists

2005

[Environmental Performance Index \(EPI\)](#)

Environmental Performance Index (EPI), Yale Center for Environmental Law & Policy, The Center for International Earth Science Information Network (CIESIN)

Using 40 performance indicators across 11 issue categories, the EPI ranks 180 countries on climate change performance, environmental health, and ecosystem vitality.

Mitigation, Forest & Agriculture, Policy

Regional, Country

Interactive Charts, Interactive Maps, Raw Data, Report, Resource
aggregator

Academic, Advocacy Organizations/NGOs, General Public, Government

2006

[FAOSTAT](#)

Food and Agriculture Organization (FAO)

FAOSTAT provides free access to food and agriculture data for over 245 countries and territories and covers all FAO regional groupings from 1961 to the most recent year available.

Forest & Agriculture

Country

Interactive Charts, Raw Data

Academic, Advocacy Organizations/NGOs, Government

1986

[Global Carbon Atlas](#)

Global Carbon Project (GCP)

A platform to explore and visualize the most up-to-date data on carbon fluxes resulting from human activities and natural processes

Mitigation, Energy

Country, City

Interactive Charts, Interactive Maps, Raw Data, Report

Academic, Advocacy Organizations/NGOs, Government, Media/journalists

2001

[Global Climate Action Portal \(GCAP\)](#)

United Nations Framework Convention on Climate Change (UNFCCC)

The Global Climate Action portal is an online platform where actors from around the globe - countries, regions, cities, companies, investors and other organizations - can display their commitments to act on climate change.

Adaptation, Mitigation, Policy

Regional, Country, State, City, Business, Non-state actor

Interactive Maps, Report

Advocacy Organizations/NGOs, Corporate, Government, Investors

2014

[NOAA Climate.gov](#)

National Oceanic and Atmospheric Administration (NOAA)

The Climate.gov Maps & Data section contains more than 280 descriptions of datasets and services spanning a wide range of climate-related subjects. This collection was assembled in an effort to add value by simplifying and enhancing the discoverability, accessibility, and utility of commonly requested data. This section aims to serve researchers, scientists, resource managers, business personnel, and other citizens who want to find and use climate data.

Adaptation, Finance, Mitigation, Energy, Forest & Agriculture, Policy, Equity

Global, Regional, Country, State

Interactive Charts, Interactive Maps, Raw Data, Resource aggregator

Academic, Advocacy Organizations/NGOs, Corporate, General Public, Government, Investors, Media/journalists

2010

[Global Climate Risk Index](#)

Germanwatch

The annually published Global Climate Risk Index analyses to what extent countries have been affected by the impacts of weather-related loss events (storms, floods, heat waves etc.).

Adaptation, Equity

Country

Report

Academic, Advocacy Organizations/NGOs, Corporate, General Public, Government, Investors

2007

[Global Energy Monitor Trackers](#)

Global Energy Monitor (GEM)

Global Energy Monitor (GEM) develops and shares information in support of the worldwide movement for clean energy. The GEM website contains regularly updated tools including the Global Coal Trackers; Global Oil and Gas Trackers; renewable power trackers; and similar.

Mitigation, Energy

Asset-level, Global, Regional, Country, State

Interactive Maps, Raw Data, Report

Academic, Advocacy Organizations/NGOs, Corporate, Government, Investors, Media/journalists

2014

[Global Forest Watch \(GFW\)](#)

Global Forest Watch (GFW), World Resources Institute (WRI)

Global Forest Watch (GFW) is an online platform that allows anyone to access near real-time information about where and how forests are changing around the world.

Forest & Agriculture

Geospatial data, Global, Country, City

Interactive Charts, Interactive Maps, Raw Data, Report

Academic, Advocacy Organizations/NGOs, Government, Media/journalists

2014

[Green Climate Fund Data Library](#)

Green Climate Fund

The data provided by the GCF platform helps visualize the financial response to climate change that has been invested on low-emission and climate-resilient development.

Finance, Equity

Regional, Country, State, Non-state actor

Raw Data, Report

Academic, Advocacy Organizations/NGOs, Corporate, Government, Investors

2013

[I2AM PARIS](#)

Horizon 2020 Research and Innovation Programme (H2020)

I2AM PARIS is an open-access, data platform hosting detailed documentation, inputs, and outputs of modelling tools and exercises for all audiences. I2AM PARIS seeks to enable modellers to communicate with one another and stakeholders to interact with modelling assumptions, scenarios and results in an informative way and to understand which decarbonisation pathways are the most relevant and realistic, ultimately enhancing the legitimacy of the scientific processes and improving the transparency of the employed methods, models and tools.

Mitigation, Energy

Global, Regional, Country

Interactive Charts, Raw Data, Resource aggregator

Academic, Advocacy Organizations/NGOs, Corporate, Government, Investors

2019

[International Energy Agency \(IEA\) Datasets](#)

International Energy Agency (IEA)

The IEA collects, assesses and disseminates energy statistics on supply and demand to provide the world's most authoritative and comprehensive source of global energy data.

Energy

Asset-level, Regional, Country

Interactive Charts, Raw Data, Report

Academic, Advocacy Organizations/NGOs, Corporate, Government, Investors

1974

[IMF Climate Dashboard](#)

International Monetary Fund (IMF) and partners

The IMF has identified and developed a range of distinctive indicators that demonstrate the impact economic activity is having on climate change.

These indicators have been grouped into five categories: Economic Activity, Cross-Border, Financial and Risks, Government Policy, and Climate Change Data. The objective of the Climate Change Indicators Dashboard is to provide a platform for disseminating climate change data for macroeconomic and financial stability analysis. Users of the Dashboard will be able to assess the linkage between economic and financial activities and

government policies on the one hand, and climate change (and environment more broadly) on the other—either on a country-level or cross country basis—by analyzing a standardized set of comparable data.

Finance, Mitigation, Policy, Energy

Global, Country

Interactive Charts, Interactive Maps, Raw Data, Report

Academic, Advocacy Organizations/NGOs, Corporate, Government, Investors

2021

[Initiative for Climate Action Transparency \(ICAT\)](#)

ICAT, United Nations Office for Project Services (UNOPS)

ICAT provides countries with support and practical tools and methodologies to build the transparency frameworks needed for effective climate action on national development priorities.

Adaptation, Finance, Mitigation, Policy, Energy, Forest & Agriculture, Equity

Global, Regional, Country

Report, Resource aggregator

Government

2019

[IPCC AR6](#)

Intergovernmental Panel on Climate Change (IPCC)

The IPCC reports provide a comprehensive summary of what is known about the drivers of climate change, its impacts and future risks, and how adaptation and mitigation can reduce those risks.

Adaptation, Finance, Mitigation, Energy, Forest & Agriculture, Policy, Equity

Global

Report

Academic, Advocacy Organizations/NGOs, Corporate, General Public,

Government, Investors, Media/journalists

1988

[International Renewable Energy Agency \(IRENA\) Datasets](#)

International Renewable Energy Agency (IRENA)

IRENA publishes detailed statistics on renewable energy capacity, power generation and renewable energy balances. This data is collected directly from members using the IRENA Renewable Energy Statistics questionnaire and is also supplemented by desk research where official statistics are not available. Renewable power-generation capacity statistics are released annually in March. Additionally, renewable power generation and renewable energy balances data sets are released in July.

Energy, Policy

Geospatial data, Global, Regional, Country
Interactive Charts, Interactive Maps, Raw Data, Resource Aggregator
Academic, Advocacy Organizations/NGOs, Corporate, General Public,
Government, Investors, Media/journalists
2011

[IRI Climate and Society Map Room](#)

Climate Program Office NOAA, The Earth Institute Columbia University
The climate and society maproom is a collection of maps and other figures that monitor climate and societal conditions at present and in the recent past. The maps and figures can be manipulated and are linked to the original data. Even if you are primarily interested in data rather than figures, this is a good place to see which datasets are particularly useful for monitoring current conditions.

Adaptation, Mitigation, Equity
Geospatial data, Global, Country
Interactive Charts, Interactive Maps, Raw Data
Academic, Advocacy Organizations/NGOs, General Public,
Media/journalists
2004

[Local Sea-Level Rise Projections](#)

Climate Analytics
This website allows you to browse through local sea-level projections for different global warming trajectories.

Adaptation
Geospatial data, Country
Interactive Charts, Interactive Maps, Resource aggregator
Academic, Advocacy Organizations/NGOs, Corporate, General Public,
Government, Investors, Media/journalists
2008

[ND-GAIN Climate Vulnerability Indexes](#)

Notre Dame Environmental Change Initiative
ND-GAIN's tool measures 181 countries on their climate risk and readiness to successfully adapt.

Adaptation, Policy
Country, City
Interactive Charts, Interactive Maps, Raw Data, Report
Academic, Advocacy Organizations/NGOs, Corporate, General Public,
Government, Investors, Media/journalists
2013

[NDC Ambition Explorer](#)

Climate Analytics

The NDC Ambition Explorer allows users to see the gap between big emitters' 2030 climate targets and where they need to be to stay below 1.5 degrees of temperature change.

Mitigation, Equity

Regional, Country

Interactive Charts

Academic, Advocacy Organizations/NGOs, Government

2008

[NDC ASPECTS](#)

NDC ASPECTS

NDC ASPECTS will provide inputs to the GST and support the potential and gender-responsive revision of existing NDCs, as well as the development of new NDCs for the post-2030 period. The project will particularly focus on four sectoral systems that are highly relevant in terms of the greenhouse gas emissions they produce yet have thus far made only limited progress in decarbonization. These sectors are transport and mobility (land-based transport and international aviation & shipping), emission-intensive industries, buildings, and agriculture, forestry, and land-use, including their supply by and interaction with the energy conversion sector.

Mitigation, Policy, Energy

Country

Report

Academic, Advocacy Organizations/NGOs, Government

2020

[NDC Explorer](#)

Deutsches Institut für Entwicklungspolitik (DIE)

The NDC Explorer is an online tool to analyse and compare countries' (Intended) Nationally Determined Contributions (INDCs/NDCs).

Adaptation, Finance, Mitigation, Policy, Energy, Forest & Agriculture, Equity

Country

Interactive Maps

Academic, Advocacy Organizations/NGOs, Government

2020

[Net Zero Tracker](#)

Energy & Climate Intelligence Unit (ECIU), Data-Driven EnviroLab (DDL), NewClimate Institute, Oxford Net Zero

A definitive global resource for collating, assessing and presenting the scale and quality of net zero pledges across nationals, sub-nationals, companies and other entities.

Mitigation, Policy

Regional, Country, State, City, Business, Non-state actor

Interactive Maps, Raw Data, Report

Academic, Advocacy Organizations/NGOs, Corporate, Government, Investors

2021

[NGFS Scenarios Portal](#)

International Institute for Applied Systems Analysis

The Network for Greening the Financial System (NGFS) is a group of 65 central banks and supervisors and 83 observers committed to sharing best practices, contributing to the development of climate- and environment-related risk management in the financial sector and mobilising mainstream finance to support the transition toward a sustainable economy. This Scenario Explorer is a web-based user interface for transition scenario results selected for the NGFS. This provides intuitive visualizations & display of timeseries data and download of the data in multiple formats. This Scenario Explorer hosts the NGFS scenarios, which were produced by NGFS Workstream 3.

Finance, Mitigation

Global, Regional

Interactive Charts, Raw Data

Academic, Advocacy Organizations/NGOs, Corporate, Government, Investors

2022

[OpenClimate](#)

Open Earth Foundation

Open Source data explorer for tracking of emissions, targets from NSAs and parties with multiple data sources

Mitigation, Policy

Global, Regional, Country, Non-state actor, State, City, Business

Raw Data, Resource aggregator

Academic, Advocacy Organizations/NGOs

2022

[Open Energy Information \(OpenEI\)](#)

National Renewable Energy Laboratory (NREL)

The OpenEI is an open platform providing the most current information needed to make informed decisions on energy, market investment, and technology development.

Finance, Energy

Asset-level, Global, State, Business, Non-state actor

Raw Data, Report, Resource aggregator
Academic, Advocacy Organizations/NGOs, Corporate, Government
1991

[Paris Reality Check](#)

Potsdam Institute for Climate Impact Research (PIK)
This site lists various tools and datasets that allow you to see things like emissions data, impacts on coral/sea-level, equity assessments. ETC
Adaptation, Mitigation, Policy, Equity
Global, Regional

Interactive Charts, Interactive Maps, Raw Data, Resource Aggregator
2020

[PBL Climate Pledge Tool](#)

PBL Netherlands Environmental Assessment Agency
The PBL Climate Pledge NDC tool shows the targets from countries' NDCs/INDCs. For 25 major emitting Parties, the tool compares these targets with greenhouse gas emission projections with and without current domestic climate policies up to 2030. More specifically, the PBL Climate Pledge NDC tool addresses the following three key questions: 1. What are the countries' emissions projections for the NDCs for 2030? 2. Will the projected aggregated impact of the fully implemented NDCs on global emissions, for 2030, be sufficient to achieve the target of staying well below 2 °C / 1.5 °C? 3. Are countries on track to meet their 2020 pledges and NDCs for the period up to 2030? To address these questions, the tool shows the projected impact of the emission reduction proposals (2020 pledges or NDCs) and current policies, per country and globally, on greenhouse gas emission, up to 2030. This tool analyses the mitigation components of the NDCs of 161 of the 197 Parties

Mitigation, Policy

Global, Country

Interactive Charts, Interactive Maps, Raw Data
Academic, Advocacy Organizations/NGOs, Government
2017

[PBL Global Stocktake Tool](#)

PBL Netherlands Environmental Assessment Agency
The Global Stocktake tool presents several indicators to track progress in implementing the Paris Climate Agreement. The indicators presented here are based on model-based scenarios that compare the action needed to meet the overall objectives, with the action promised by individual countries (reported via the Nationally Determined Contributions (NDC) and the actual implemented policies (based on a database of currently

implemented policies). The stocktake tool intends to allow a wide range of interested parties to assess progress.

Mitigation, Policy

Global, Regional, Country

Interactive Maps

Academic, Advocacy Organizations/NGOs, Government

2020

[PREPdata](#)

Partnership for Resilience and Preparedness (PREP)

PREPdata is a map-based, open data online platform that allows users to access and visualize spatial data reflecting past and future climate, as well as the physical and socioeconomic landscape for climate adaptation and resilience planning. The platform is continuing to evolve through the input of PREP partners and PREPdata users. It is a flexible tool for climate adaptation planning, designed to address many of the gaps and challenges adaptation practitioners face.

Adaptation, Equity

Global, Country, State, City

Interactive Charts, Interactive Maps, Report

Academic, Advocacy Organizations/NGOs, Corporate, General Public,

Government, Investors, Media/journalists

2016

[Renewable Energy Country Attractiveness Index \(RECAI\)](#)

EY Global Power & Utilities

The Renewable Energy Country Attractiveness Index (RECAI) report ranks countries on the attractiveness of their renewable energy investment and deployment opportunities.

Finance, Policy, Energy

Country

Interactive Charts, Resource aggregator

Corporate, Investors

2022

[Regulatory Indicators for Sustainable Energy \(RISE\)](#)

The World Bank Group

A set of indicators to help compare national policy and regulatory frameworks for sustainable energy. RISE assesses countries' policy and regulatory support for each of the four pillars of sustainable energy—access to electricity, access to clean cooking (for 55 access-deficit countries), energy efficiency, and renewable energy.

Finance, Policy, Energy

Country

Interactive Charts, Interactive Maps, Raw Data, Resource Aggregator
Academic, Advocacy Organizations/NGOs, Corporate, General Public,
Government, Investors, Media/journalists

2020

[REN21 Renewable Energy Data](#)

REN21

REN21 provides annual reports with facts, figures, peer-reviewed analysis of global developments in technologies, policies, and markets to decision makers. The goal is a transition to renewable energy.

Finance, Policy, Energy

Global, Country, City

Interactive Charts, Interactive Maps, Raw Data, Resource Aggregator
Academic, Advocacy Organizations/NGOs, Corporate, General Public,
Government, Investors, Media/journalists

2004

[Science Based Targets Initiative \(SBTi\) Target Dashboard](#)

Science Based Targets Initiative (SBTi)

The SBTi's target dashboard shows companies and financial institutions that have set science-based targets, or have committed to developing targets. Updated every Thursday, the dashboard includes high-level information about each organization's targets or commitments. A more detailed .xlsx data file is also available to download.

Mitigation, Energy, Forest & Agriculture

Business

Interactive Charts, Raw Data, Report

Academic, Advocacy Organizations/NGOs, Corporate, Government,
Investors, Media/journalists

2020

[State of Climate Action Report](#)

World Resources Institute (WRI), ClimateWorks Foundation (CWF)

A comprehensive assessment of the global gap in climate action across the world's highest-emitting systems, highlighting where recent progress made in reducing GHG emissions, scaling up carbon removal, and increasing climate finance must accelerate over the next decade to keep the Paris Agreement's goal to limit warming to 1.5°C within reach.

Adaptation, Finance, Mitigation, Policy, Energy, Forest & Agriculture, Equity
Global, Regional, Country

Report

Advocacy Organizations/NGOs, Corporate, Government, Investors,
Media/journalists
2022

[The Senses Toolkit](#)

European Research Area for Climate Services

The SENSES toolkit modules help you understand and communicate climate change scenarios. The modules utilise visualisations in an explanatory or exploratory way. The target audience are finance, policy and regional decision makers.

Adaptation, Mitigation, Policy, Energy, Forest & Agriculture, Equity

Geospatial data, Global, Regional, Country

Interactive Charts, Interactive Maps, Report, Resource aggregator

Academic, Advocacy Organizations/NGOs, General Public, Government

2017

[UN Stats Climate Data](#)

United Nations Statistics Division

The 'Global Set of Climate Change Statistics and Indicators' was adopted at the fifty-third session of the United Nations Statistical Commission in March 2022 as the framework for climate change statistics and indicators to be used by countries when preparing their own sets of climate change statistics and indicators according to their individual concerns, priorities and resources.

Adaptation, Mitigation, Policy, Energy, Forest & Agriculture, Equity

Global, Regional, Country

Raw Data, Report

Academic, Advocacy Organizations/NGOs, Corporate, Government,
Media/journalists

2022

[UNEP Pledge Pipeline](#)

United Nations Environment Program

The UNEP Pledge Pipeline tracks GHG emissions reductions pledged by each countries' Nationally Determined Contributions (INDCs/NDCs) that are submitted to the UNFCCC.

Mitigation

Global, Country

Raw Data

Advocacy Organizations/NGOs, Government, Media/journalists

1972

[UNFCCC Climate Finance Data Portal](#)

United Nations Framework Convention on Climate Change

The UN Climate Finance Data portal is a gateway to information on activities funded in developing countries to implement the United Nations Framework Convention on Climate Change (UNFCCC).

The portal presents information on financial resources that have been made available to Non-Annex I Parties to the UNFCCC. The Portal consists of the following four modules: The "National Communications Module"; the "Fast-start Finance Module"; the "Funds Managed by the GEF Module"; and the "Adaptation Fund Module"

Finance

Global, Country

Raw Data, Resource aggregator

Academic, Advocacy Organizations/NGOs, Corporate, Government, Media/journalists

2018

[weAdapt Adaptation Layer](#)

Stockholm Environment Institute (SEI)

weAdapt is a platform designed as a community of research and practice on adaptation issues and policy-relevant tools and guidance for adaptation planning and decision-making.

Adaptation, Policy

Regional, Country, City, Non-state actor

Interactive Maps, Resource aggregator

Academic, Advocacy Organizations/NGOs, Government

2007

[Systems Change Lab](#)

World Resources Institute, Bezos Earth Fund, UN Climate Change High-Level Champions, Climate Action Tracker

Systems Change Lab aims to spur action at the pace and scale needed to tackle some of the world's greatest challenges: limiting global warming to 1.5 degrees C (2.7 degrees F), halting loss of biodiversity and building a just and equitable economy. Our initiative tracks global progress for more than 70 transformational shifts across nearly every system, enabling users to compare current action against targets we need to reach by the end of this critical decade and by 2050 to protect people and the planet.

Adaptation, Finance, Mitigation, Policy, Energy, Forest & Agriculture, Equity
Global, Country

Interactive Charts, Interactive Maps, Report, Resource aggregator

Academic, Advocacy Organizations/NGOs, Corporate, General Public, Government, Investors, Media/journalists

2022

[Subak Data Catalogue](#)

Subak

The Subak Data Catalogue exists to make climate data more discoverable; more trusted; and more connected. 8,116 datasets.

Adaptation, Finance, Mitigation, Policy, Energy, Forest & Agriculture, Equity
Global, Country

Raw Data, Resource aggregator

Academic, Advocacy Organizations/NGOs, Corporate, Government,
Investors, Media/journalists

2021

[European OpenGHGMap](#)

Norwegian University of Science and Technology (NTNU)

A city-level CO2 emissions inventory for Europe: This project maps Scope 1 CO2 emissions across Europe. The aim is to estimate an emissions inventory for each of the ~116 000 administrative jurisdictions across Europe and the UK. The model spatially disaggregates each country's official (Eurostat) CO2 emissions inventory to places using OpenStreetMap. Vehicle emissions are attributed across fuel stations, train emissions at stations, aviation bunker fuel emissions at airports, and so on. Industrial source emissions are located at the registered address where these emissions physically occur or are legally controlled. Data are for the year 2018.

Mitigation, Policy, Energy

City

Interactive Maps, Raw Data

Academic, Government

2021

Source: wri.org