Climate Transition Analytics Data

GHG Emissions and Emission Reduction Targets Data

Emissions and Targets Data can help companies and financial institutions understand the climate risk landscape, meet regulatory requirements and discover climate-related opportunities.

Overview

GHG Emissions Data provides a comprehensive time series (from 2010) of Greenhouse Gas Protocol defined Scope 1, 2 and 3 emissions covering 5,500 publicly reporting global companies, with modelled data available for 30,000+ companies.

Emission Reduction Targets Data incorporate over 9,000 reported targets covering ~2,500 companies, including targets aligned with the Science-Based Targets Initiative (SBTi) temperature scoring methodology. Emission reduction targets data can help financial institutions understand climate transition risk.
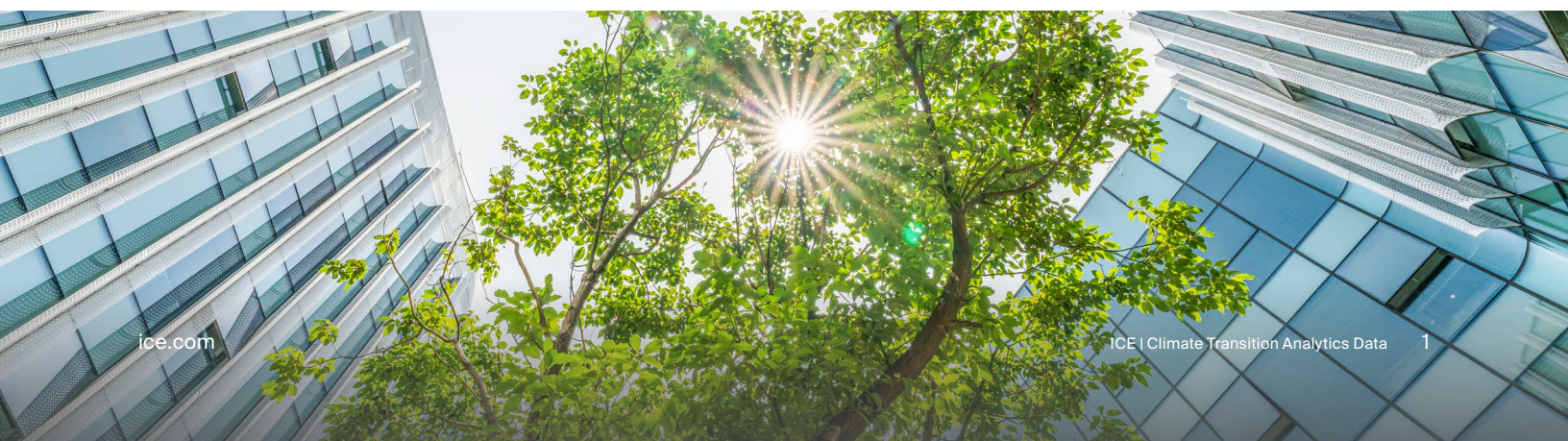
Coverage

GHG Emissions Data

- 5,500 global companies analysed for publicly reported emissions data
- Modelled data for 30,000+ companies using statistical models based on a quality assured dataset of analysed companies
- Both listed and unlisted securities covered, including equities, corporate and government bonds, and loans
- Emissions data spanning from 2010
- Transparency on differentiating between disclosed and modelled data, and methodologies used
- Coverage can be expanded to help meet client requirements on a bespoke basis

Emission Reduction Targets Data

- 2,500+ global companies covered
- Reported Targets extending to the year 2100
- Absolute and Intensity based targets
- Includes directly collected targets as well as SBTi datasets

Key features: GHG Emissions and Emission Reduction Targets Data

- Scope 1: Gross emissions

- Scope 2: Market-based and location-based emissions

- Scope 3: Emissions, broken down by 15 disclosure categories

- Absolute and intensity values: tCO_2e and tCO_2e/\$m revenue/market value/EVIC

- Classification of each company into proprietary disclosure categories, providing insight into data quality and company transparency

- Information concerning third-party assurance of emissions data, including standard used

- Outlier detection and assessment of reported emissions data

- Regional and country level analysis and breakdown of data

- Modelled data based on inference conducted at granular level

- Emission Reduction Targets Data is also cross-referenced with GHG Emissions Data to enhance coverage

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Use cases

GHG Emissions Data

Reporting

- Responding to mandatory and voluntary reporting requirements (e.g., TCFD, PCAF)

- Performing carbon foot-printing to report on the carbon emissions of investments

- Performing alignment analysis to various climate targets and pathways (e.g., Net-zero, Paris Alignment)

Corporate engagement

- Engaging with companies to validate corporate disclosure

- Reducing systemic risk exposure

Risk management

- Identifying carbon risk exposure on a company and portfolio-level

- Managing emission risk concentrations at sector, region, and country level

- Building scenario analysis frameworks and stress testing portfolios

Tailoring investment strategies

- May be used to aid in the development of low-carbon investment strategies

- Quantifying the climate-related impacts of investments

- Identifying avoided carbon emissions

Climate stress testing and scenario analysis for banks

- Loan Books/Investment Portfolios (including SMEs) - projection of future GHG emissions of private and listed companies until 2100, incorporating NGFS scenarios

Emissions Reduction Targets Data

- **Transition risk assessment** - Emission Reduction Targets Data are linked to climate risk metrics on the ICE Climate Transition Analytics Tool, including temperature scores and climate scenario analysis. This can help asset owners and managers to assess and track the impact and exposure to transition risk at a company and portfolio level.

- **Climate scenario analysis** - Emission Reduction Targets Data can feed into forward-looking alignment analysis and projections of emissions, allowing assessment against various climate scenarios including NGFS, IPCC and IEA decarbonization pathways

- **Target setting comparison** - Emission Reduction Targets Data, via temperature scores (available on ICE Climate Transition Analytics Tool), can be used as a consistent metric to compare target ambition between targets, companies, and portfolios

- **Target setting** - Emission Reduction Targets Data can be used to enhance financial institutions' target setting capabilities at portfolio, fund, and institutional level, including the setting and approval of Science-Based Targets

- **Corporate engagement** - Temperature scores can be used as an effective engagement tool to encourage companies to set more ambitious carbon reduction targets

Delivery

Both the GHG Emissions Data and Emission Reduction Targets Data can be delivered through flat files or downloaded via API. The data is available at the company, portfolio, and sector level via the ICE Climate Transition Analytics Tool.

Additionally, Emission Reduction Targets Data can be converted into a temperature score, through the SBTi aligned temperature scoring methodology. The temperature metric is available on the ICE Climate Transition Analytics Tool, producing temperature scores at portfolio, sector, and company level.

For more information: ice.com/sustainable-finance-data