

Climate Solutions - Companies

Risk management and regulatory compliance are essential in the transition to a resilient and sustainable economy. Moody's ESG Solutions provides forward-looking, location-specific and globally comparable data on climate risk and its impacts on credit risk.

Comprehensive data for over 5000 companies - Flexible delivery options include API, FTP and Excel

Physical Risk

- Operations risk assessed using asset-level data on exposure to floods, heat stress, hurricanes and typhoons, sea level rise, water stress and wildfires
- Supply chain risk and market risk capture companies' resource use and the climate risk in countries that companies depend upon for inputs to their products and their revenues, respectively
- Physical risk management data demonstrates how companies anticipate and manage physical risks

Transition Risk

- Carbon footprint data captures scope 1, 2 and 3 emissions
- Brown share data assesses corporations' exposure to fossil fuels, including entities' revenue, reserves, potential emissions and power
- Energy transition assessment captures entities' preparedness for the transition to a low-carbon economy
- Temperature alignment data assesses how companies emissions reduction targets align with different temperature pathways

Climate Governance

- Green share data identifies companies with goods and services that contribute to climate change mitigation and adaptation
- TCFD climate strategy assessment analyzes how companies' disclosures align with TCFD recommendations
- Climate controversy analysis identifies entities that are exposed to controversies related to climate change

Climate-adjusted PDs

- Climate scenario-adjusted probability of default term structures accounting for physical and transition risk
- Built upon the Public EDF™ (Expected Default Frequency) model, with four NGFS-aligned scenarios available
- Accounting for climate impacts over time on expected firm leverage and asset volatility

Use Cases



- **Understand and price extra-financial risk** — leverage physical and transition risk scores to identify high-risk holdings and drive stress testing

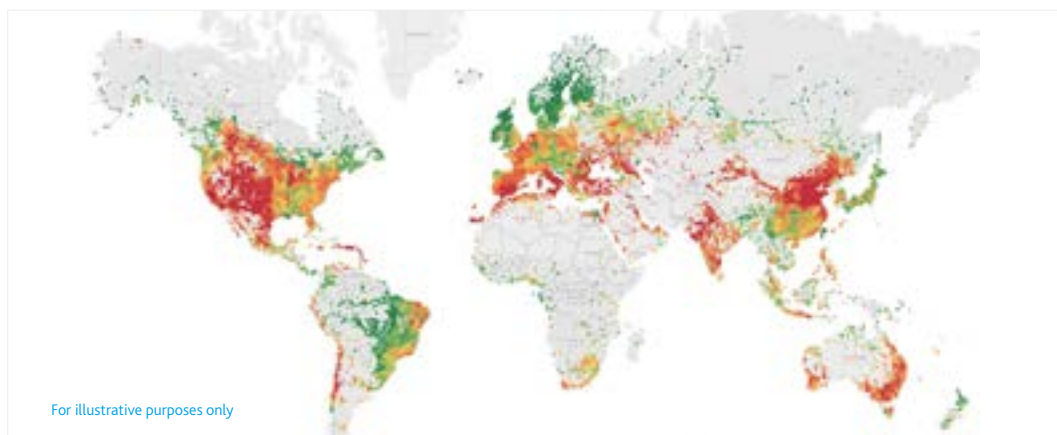


- **Regulatory reporting** — Explore interactive data platforms that provide portfolio summary statistics and climate risk metrics to respond to TCFD and other reporting requirements



- **Portfolio construction and monitoring** — Inform investment decision-making, risk management and due diligence with science-driven, asset level data of climate risk exposure

Exposure to water stress for over two million facilities operated by publicly listed companies



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