

MSCI ESG CLIMATE CHANGE SOLUTIONS

FROM MSCI ESG RESEARCH LLC

For more than 20 years, MSCI ESG Research has worked with institutional investors to incorporate climate change considerations in their investment process by providing an extensive view of climate change risks and opportunities across multiple dimensions: emissions data, fossil fuel exposure, forward-looking strategy assessment and clean technology exposure. Our Climate Change Solutions are designed to support investors seeking to achieve a range of objectives, including measuring and reporting on climate risk exposure, implementing low carbon and fossil fuel-free strategies, and factoring climate change research into their risk management processes.

KEY FEATURES AND BENEFITS

Forward-Looking Strategy Assessment

Assessment of corporate issuers' climate change exposure and management practices to identify leaders and laggards when it comes to preparedness for transition to a low carbon economy.

Climate Risk Vulnerability

Access climate risk exposure in the form of Scope 1, 2 and 3 carbon emissions and intensities, both as reported and estimated. Access quantitative data on reserves by fossil fuel type and revenue screens, as well as granular power generation data.

Climate Opportunity Exposure

Access detailed information on the percentage of revenue companies derive from Alternative Energy, Energy Efficiency, Green Building, Pollution Prevention or Sustainable Water.

Low Carbon Transition Score

Access a single signal that help interpret the various dimensions of low carbon transition risks and opportunities and compare companies within and cross sectors.

Integrated Analytics

Climate Change Research is available on various MSCI platforms, including: BarraOne, Risk Manager and BPM, to help clients streamline climate risk management processes, construct portfolios and conduct TCFD stress test.

Identify Targets for Engagement

Climate Change Solutions can help institutional investors prioritize their engagement strategies, allowing them, for example, to identify large reserve holders and emitters in their portfolios that also lack a strong carbon management strategy.

Extensive Equity and Fixed Income Coverage

Climate Change Solutions offer evaluation of +9,000 companies and 200 sovereign issuers, covering over 95% of equity and fixed income market value. Research is produced 100% in-house, updated on an annual basis and submitted to companies for factual accuracy.

INTEGRATING CLIMATE CHANGE ACROSS THE INVESTMENT PROCESS

MSCI Climate Change Solutions are designed to support a diversity of approaches

ENGAGE

Engage companies and external stakeholders to promote a more resilient world

ASSESS

Assess exposure to climate change risk and opportunities
Peer benchmarking



INTEGRATE

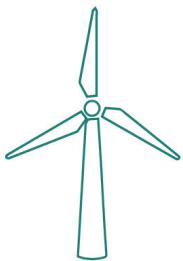
Integrate climate change considerations into company assessments Develop Low Carbon and Fossil Fuel Free strategies (active and indexed) TCFD Climate Scenarios Stress testing

ALLOCATE

Define climate change strategy across asset classes
Allocate to low carbon investments

AN EXTENSIVE RANGE OF TOOLS

MSCI provides investors with a wide range of data and tools designed to enable investors to achieve a variety of climate-related objectives and investment approaches, from screening, risk exposure analysis, and engagement. Tools include data on fossil fuel exposure, carbon emissions, and carbon risk management, as well as environmental indexes and portfolio reporting tools.



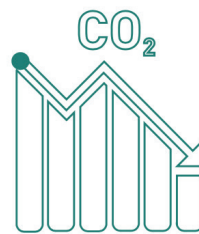
CLIMATE CHANGE METRICS

Select from carbon management assessment, carbon and clean tech metrics and fossil fuel screens.



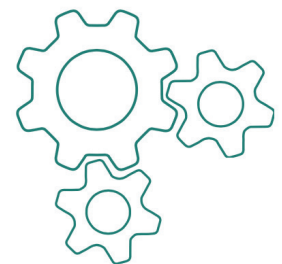
CARBON PORTFOLIO ANALYTICS

Measure the climate change risk and opportunities exposure of your portfolio.



LOW CARBON INDEXES

Choose from a range of environmental and thematic indexes.



RISK ANALYTICS

Streamline climate risk management processes and conduct TCFD stress test.

ABOUT MSCI ESG RESEARCH PRODUCTS AND SERVICES

MSCI ESG Research products and services are provided by MSCI ESG Research LLC, and are designed to provide in-depth research, ratings and analysis of environmental, social and governance-related business practices to companies worldwide. ESG ratings, data and analysis from MSCI ESG Research LLC. are also used in the construction of the MSCI ESG Indexes. MSCI ESG Research LLC. is a Registered Investment Adviser under the Investment Advisers Act of 1940 and a subsidiary of MSCI Inc.

ABOUT MSCI

For more than 40 years, MSCI's research-based indexes and analytics have helped the world's leading investors build and manage better portfolios. Clients rely on our offerings for deeper insights into the drivers of performance and risk in their portfolios, broad asset class coverage and innovative research. Our line of products and services includes indexes, analytical models, data, real estate benchmarks and ESG research. MSCI serves 99 of the top 100 largest money managers, according to the most recent P&I ranking. For more information, visit us at www.msci.com.

The information contained herein (the "Information") may not be reproduced or disseminated in whole or in part without prior written permission from MSCI ESG Research. The Information may not be used to verify or correct other data, to create any derivative works, to create indexes, risk models, or analytics, or in connection with issuing, offering, sponsoring, managing or marketing any securities, portfolios, financial products or other investment vehicles. Historical data and analysis should not be taken as an indication or guarantee of any future performance, analysis, forecast or prediction. MSCI ESG Research is provided by MSCI Inc.'s subsidiary, MSCI ESG Research LLC., a Registered Investment Adviser under the Investment Advisers Act of 1940. MSCI ESG Research materials, including materials utilized in any MSCI ESG Indexes or other products, have not been submitted to, nor received approval from, the United States Securities and Exchange Commission or any other regulatory body. None of the Information or MSCI index or other product or service constitutes an offer to buy or sell, or a promotion or recommendation of, any security, financial instrument or product or trading strategy. Further, none of the Information is intended to constitute investment advice or a recommendation to make (or refrain from making) any kind of investment decision and may not be relied on as such. The Information is provided "as is" and the user of the Information assumes the entire risk of any use it may make or permit to be made of the Information. NONE OF MSCI INC. OR ANY OF ITS SUBSIDIARIES OR ITS OR THEIR DIRECT OR INDIRECT SUPPLIERS OR ANY THIRD PARTY INVOLVED IN THE MAKING OR COMPILING OF THE INFORMATION (EACH, AN "INFORMATION PROVIDER") MAKES ANY WARRANTIES OR REPRESENTATIONS AND, TO THE MAXIMUM EXTENT PERMITTED BY LAW, EACH INFORMATION PROVIDER HEREBY EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. WITHOUT LIMITING ANY OF THE FOREGOING AND TO THE MAXIMUM EXTENT PERMITTED BY LAW, IN NO EVENT SHALL ANY OF THE INFORMATION PROVIDERS HAVE ANY LIABILITY REGARDING ANY OF THE INFORMATION FOR ANY DIRECT, INDIRECT, SPECIAL, PUNITIVE, CONSEQUENTIAL (INCLUDING LOST PROFITS) OR ANY OTHER DAMAGES EVEN IF NOTIFIED OF THE POSSIBILITY OF SUCH DAMAGES. The foregoing shall not exclude or limit any liability that may not be applicable law be excluded or limited.

©2018 MSCI Inc. All rights reserved | CFS1218