

Real Asset Climate Solutions

Our Real Asset Climate Solutions help investors evaluate the impact of climate change on their portfolios with ease. Our tools support informed decision-making, risk management, and development of resilience strategies.

Our holistic suite includes:

Physical Risk

Carbon Footprinting

Scenario Alignment Capabilities

Real Asset Portfolio-Level Climate Risk Tools

Physical Risk Analysis

Identify and quantify climate-related risks to real assets using advanced geospatial-AI climate models. Our analysis covers six key hazards – floods, sea level rise, wildfires, heatwaves, cyclones and drought – based on the Intergovernmental Panel on Climate Change (IPCC) scenarios (SSP2– 4.5 and SSP5–8.5). Structural damage and business interruption are assessed at the real asset level by integrating hazard probability, exposure, and vulnerability data.

Our global-coverage analytics tools, delivered via a web-based interface or API, support user-provided Real Asset portfolios, as well as portfolios of public equity and debt issuers, powered by **ISS STOXX Geospatial Asset Database** – our proprietary asset database provides verified geolocation and site-level intelligence to support precise identification of physical risk exposure of real assets owned or operated by issuers.

Carbon Footprinting

Analyze emissions performance at the real asset and portfolio level. Using user-provided data, the model estimates Scope 1, 2, and 3 emissions, including Emissions Exposure and Weighted Average Carbon Intensity to assess carbon impact. When valuation data is available, financed emissions are calculated, offering deeper insights into climate impact.

Scenario Alignment

Our forward-looking scenario alignment framework helps assess how real asset portfolios are positioned against science-based decarbonization pathways, in reference to CRREM. By projecting Scope 1 and 2 emissions and comparing them to granular benchmarks, differentiated by building type and region, we provide a precise view of climate alignment.

Results for emissions are expressed as ‘overshoot’ or ‘undershoot’ and translated into an Implied Temperature Rise metric, available at both the individual asset and portfolio level. Enabling investors to evaluate climate risk exposure and alignment with decarbonization strategies and targets.

Our Solutions Are Designed with Flexibility at Their Core

Whether you're leveraging individual components or combining multiple tools, you have the freedom to tailor your climate-risk analysis.



Key Use Cases

Our suite of services is designed to help investors understand, measure, and report climate-related risks at the individual real asset level. It leverages user-provided real asset information and assesses the physical risk exposure of real assets owned or operated by public equity and debt issuers, powered by our Geospatial Asset Database. These tools empower investors to integrate climate resilience into decision-making across the investment lifecycle:

Construct Climate Resilient Portfolios

Support investors with the construction of Climate Resilient portfolios and the allocation of capital away from assets with higher levels of vulnerability to extreme weather events.

Risk Management

Quantify climate and geospatial risks at the asset and portfolio level to support proactive mitigation strategies and the construction of Climate Resilient portfolios.

Due Diligence

Evaluate climate risk exposure during acquisitions, lending, and investment screening to inform better decisions.

Regulatory Reporting

Support compliance with evolving disclosure frameworks (e.g. Task Force on Climate-related Financial Disclosures (TCFD), Sustainable Finance Disclosure Regulation (SFDR), EU Taxonomy, European Banking Authority (EBA) Pillar 3) using transparent, standards-aligned methodologies.

Engagement

Provide actionable insights for investment and stewardship teams to engage portfolio companies on climate resilience.

Key Benefits of Our Real Asset Solutions

- ✓ **Comprehensive**
 Identify risks at the real asset, company, and portfolio level to support investment decisions.
- ✓ **Flexible Integration**
 Our tools support processing of a wide range of geospatial data formats – including coordinates, linear assets, and polygon shapefiles – enabling seamless integration with your own asset data.
- ✓ **Improved Climate Alignment**
 Establish clear pathways empowering you to future-proof portfolios, drive sustainable value creation, mitigate risk, and implement climate-resilient investment strategies.
- ✓ **Expert-Driven AI Modelling**
 Leverage advanced climate models developed by leading specialists and powered by cutting-edge AI to deliver deep insights and future-ready risk astringent testing to ensure high precision, reliability, and detailed granularity.



ISS STOXX delivers world-class research, data, and technology solutions that empower capital market participants to pursue their visions with confidence. Our expertise spans indices, corporate governance, sustainability, cyber risk, and fund intelligence, giving clients the tools they need to uncover opportunities, manage risks, and navigate evolving regulations. We are made up of 4,000 professionals operating across 20 countries and serving approximately 5,000 clients, including many of the world's leading institutional investors. Our scale and reach give us deep market knowledge, while our innovative methodologies allow us to offer our clients tailored insights that drive impact and success.

ISS STOXX Sustainability enables investors to develop and integrate responsible investing policies and practices, engage on responsible investment issues, and monitor portfolio company practices through screening solutions. It also provides climate data, analytics, and advisory services to help financial market participants understand, measure, and act on climate-related risks across all asset classes. In addition, our Sustainability solutions cover corporate and country research and ratings enabling its clients to identify material social and environmental risks and opportunities. Sustainability solutions are provided by Institutional Shareholder Services Inc., an investment adviser registered under the U.S. Investment Advisers Act of 1940.

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