

GATE Macro Climate Risk Model[®]

Institutional multi-asset macro risk engine meets climate risks

Why a climate risk model?

Climate as a macro risk

- Climate change and the energy transition reshape growth, inflation and interest rates.
- Changing relationships across asset classes create new investment risks and opportunities.
- Understanding these forces requires dedicated analysis of their economic transmission.

Portfolio analysis

- Quantify risks and opportunities across a range of climate scenarios.
- Identify the country, sector and company exposures driving portfolio impacts.
- Assess portfolio resilience and the net impact on assets minus liabilities.

Innovative analytics

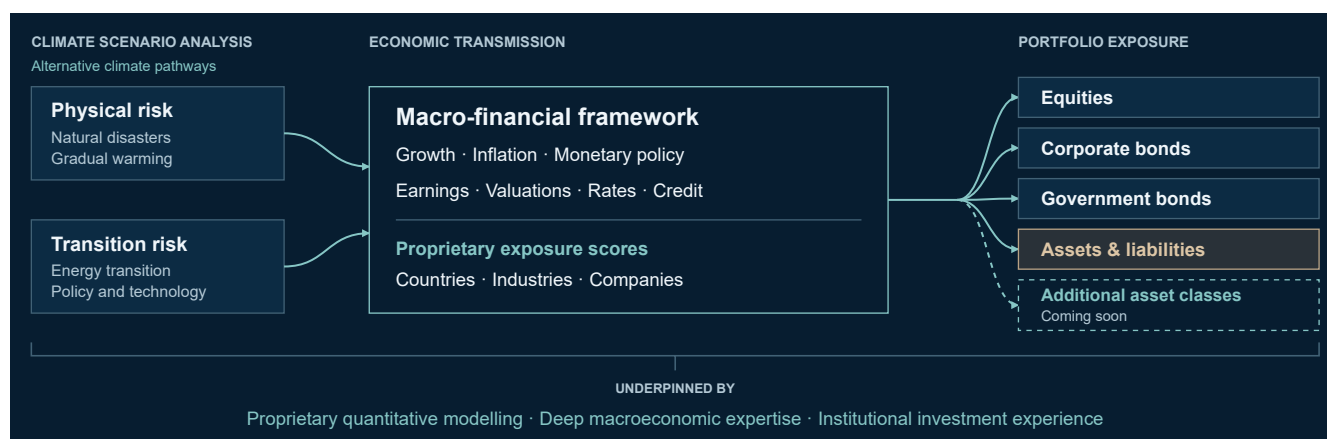
- High-quality global data underpin proprietary scores measuring climate vulnerabilities and opportunities.
- Our macro-financial framework translates climate shocks into economic exposures and financial impacts.
- Our experts explain what drives each result and help you challenge assumptions through tailored scenario analysis.

Expertise and scientific depth

- Our team brings PhD research and publications in leading academic journals.
- Our experts combine macroeconomic expertise with experience in central banking and institutional investment.
- A scientific board of central banking, energy and climate experts reviews and validates our research.

Designed to support regulatory climate-risk assessment and fiduciary oversight.

From climate forces to portfolio risk



Conceptual illustration of the framework.

Proprietary risk exposure scores

- High-quality global datasets enriched by our in-house research.
- Proprietary scores across countries, industries and companies.
- Measurable vulnerabilities and opportunities, with transparent exposure drivers.

Rigorous macro-financial framework

- Empirically calibrated relationships grounded in deep macroeconomic expertise.
- Climate shocks translated into earnings, valuations, interest rates and credit risk.
- Consistent analysis of assets and liabilities to quantify the net balance-sheet impact.

Flexibility and customisation

- Compare risks and opportunities across alternative climate scenarios.
- Tailor assumptions, stress tests and reporting to your investment objectives.
- Work directly with our experts to design the analysis and interpret its results.

PORTFOLIOS AND BALANCE SHEETS

Quantifying climate risks and opportunities across your portfolios

Designed for institutional asset managers, insurers, pension funds, fund allocators and investment professionals.

Compare how different climate scenarios affect your investments and balance sheet. Trace the effects through growth, inflation and interest rates into company earnings, asset valuations, credit risk and liabilities.

Multi-asset portfolios and balance sheets

Analyse equities, corporate bonds and government bonds within one macro-financial framework. For insurers and pension funds, connect portfolio risks to long-term obligations and quantify the net impact on assets minus liabilities.

Equities

Translate country, industry and company exposures into earnings and valuation impacts, combining cash-flow effects with changes in discount rates.

Corporate bonds

Connect issuer vulnerabilities to credit risk and spreads, alongside interest-rate sensitivity, duration and carry.

Government bonds

Assess how climate-driven changes in growth, inflation and monetary policy affect sovereign yields, duration exposure and valuations.

More asset classes coming soon. Our experts can develop dedicated models tailored to your investment universe and requirements.

What you can expect

- Country- and industry-level macroeconomic analysis across climate scenarios, including GDP and inflation paths.
- Portfolio exposure breakdowns by country, industry and issuer, with comparisons against your benchmark.
- Climate scenario comparisons showing impacts on earnings, valuations, interest rates and credit risk.
- Tailored stress tests and sensitivity analysis to challenge assumptions and assess portfolio resilience.
- Tailored reports and expert interpretation for investment discussions, risk committees and client reporting.

Expertise and scientific depth

- GATE brings together leading academic research and practical experience in central banking, institutional investment and global macro strategy.
- Clients gain direct access to specialists who connect economic evidence with the realities of portfolio construction and risk management.
- Our in-house decarbonisation expertise is grounded in our funds' investments in the energy transition.
- A scientific board bringing together experts in central banking, energy and climate change broadens, reviews and validates the research perspective.

Independence and client partnership

Our independence supports clear conclusions, grounded in evidence and free from competing commercial interests. Clients work directly with our specialists, with close dialogue and tailored scenarios, analysis and reporting.

Regulatory and fiduciary context

The framework reflects the economic and financial risk perspective of [NGFS scenario analysis](#) and [FINMA's supervisory framework](#). Its balance-sheet perspective supports the assessment of risks across assets and liabilities emphasised by [EIOPA](#).

Let's discuss your investment needs

Connect with our experts to discuss your portfolios, investment objectives and how we can tailor our analysis to your needs.

info@gatemacroclimate.com

OUR VALUES

Deep macroeconomic expertise · Scientific rigour · Independence · Transparency · Close client partnership