



MSCI Macro Finance Analyzer

Evaluate the effect of different macro scenarios on long-term risk and expected return on your portfolios.

With ever-present uncertainties within the macroeconomic environment, investment teams from risk managers to asset allocators need a framework to better understand how changes within a regime, due to macro drivers, can impact the expected risk and performance of a portfolio.

The Macro Finance Analyzer is designed to capture the effects of different macro scenarios quickly and effectively on long-term risk and expected return throughout the portfolio construction process, to better inform strategic asset allocation decisions.

It is a systematic framework available in MSCI ONE that can be leveraged by both RiskManager and BarraOne clients.

Key benefits:



Use customizable inputs: Explore MSCI's adjustable baseline or dynamically create scenarios to explore new paths and understand the impact on a portfolio.



Analyze long term horizons: Capture long term views of the primary macro risks.



Apply a systematic and transparent framework: Stress intuitive macro-drivers of risk and returns across asset classes, based on market observations.



Achieve flexible integration: Leverage custom macro scenarios results in BarraOne, RiskManager, or through MSCI AI Portfolio Insights through the data warehouse or interactive dashboards.



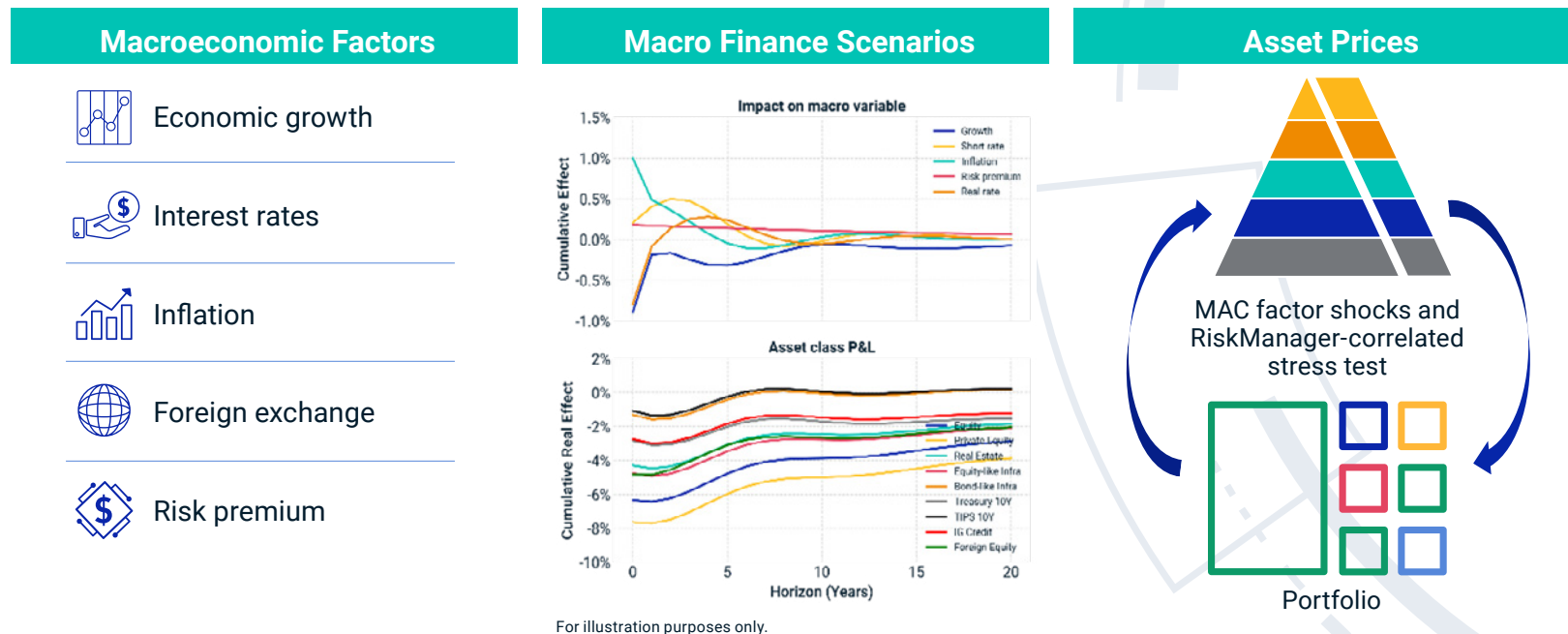
Streamline communication: Facilitate collaboration between the economic research team, investment teams, risk teams, through to senior management.

Connect macro factors to asset prices and propagate to investment portfolios.

The Macro Finance Analyzer is powered by the MSCI Macro Finance Model, which extends MSCI's Multi-Asset Class (MAC) Factor Model's tiered framework to integrate key macroeconomic variables. The Macro Finance Model relates asset cashflows and discount rates to their underlying macroeconomic drivers, and models how these macro variables interact and evolve.

Three key pillars connect macro factors to asset prices and propagate to investment portfolios.

- 1 Growth and equity:** Long-run expectations of economic growth drive the valuation and expected returns of equities and other equity-like assets.
- 2 Inflation, monetary policy, and interest rates:** Central bank monetary policy connects inflation and growth to interest rates, and in turn to yield curve term structures and asset valuation.
- 3 Supply demand regimes:** Whether supply or demand shocks dominate an economic cycle, has important implications for bond-equity correlations and asset allocation.





Get 24X5 client service and support.

- **24x5 highly trained client service team:** Our dedicated client service team operates around the clock, five days a week, from multiple global offices. They are equipped to address client inquiries promptly and efficiently.
- **Implementation and training support:** We assist clients in implementing our solutions effectively. Our experts provide training sessions to ensure clients' maximize utilization to achieve desired outcomes.

Contact us for more information

[msci.com/contact-us](https://www.msci.com/contact-us)

About MSCI

MSCI is a leading provider of critical decision support tools and services for the global investment community. With over 50 years of expertise in research, data and technology, we power better investment decisions by enabling clients to understand and analyze key drivers of risk and return and confidently build more effective portfolios. We create industry-leading research-enhanced solutions that clients use to gain insight into and improve transparency across the investment process.

To learn more, please visit 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. 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. 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 or any MSCI index 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. MSCI ESG and climate ratings, research and data are produced by MSCI ESG Research LLC, a subsidiary of MSCI Inc. MSCI ESG Indexes, Analytics and Real Estate are products of MSCI Inc. that utilize information from MSCI ESG Research LLC. MSCI Indexes are administered by MSCI Limited (UK) and MSCI Deutschland GmbH. 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 MAKING OR COMPILING 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 by applicable law be excluded or limited. Privacy notice: For information about how MSCI collects and uses personal data, please refer to our Privacy Notice at <https://www.msci.com/privacy-pledge>.