# The MSCI Multi-Asset Class Factor Model MAC Tier 2

The MSCI MAC Factor Model provides high to low granularity in looking at systematic strategy factors through an integrated and consistent framework

## Better manage total portfolio investment objectives

Investors are seeking outcome-oriented strategies to help balance risk profiles with return targets. The MSCI Multi-Asset Class Factor Model provides insight into factor-based asset allocation to target key drivers of risk and return. The MAC model allows for the identification of systematic strategies in equities, fixed income, commodities, and currencies and improves communication of portfolio exposures at different levels of granularity for different audiences.

## MAC Tier 2 - Allocate with Systematic Strategies

Expanding on the factors for strategic asset allocation, Tier 2 introduces additional factors to reflect common tilts away from market-weighted portfolios. These include both traditional tilts such as cyclical vs. defensive sectors, and systematic strategy factors reflecting common forms of smart beta investing.



# **Tier 2 in the MSCI Multi-Asset Class Factor Model**

25 factors to attribute the key drivers of global risk and return across the investible marketplace

Available in multiple horizons from ultra-short to extra-long

Supports factor premia allocations including emerging market and multi-asset class systematic strategies



## **Tier 2 Factors**

#### **Systematic Strategies**

 Identify common style strategies across asset classes to spotlight intended and unintended tilts

#### **Emerging Market Equity**

• Reflects the currency-hedged return of emerging and frontier equity markets relative to the developed markets

#### **Cyclical vs. Defensive**

• Reflects the return of cyclical sectors relative to defensive equity sectors

#### **DM and EM Currency**

 Reflects the return of a global basket of foreign, developedmarket currencies relative to the portfolio numeraire currency

# Tier 2 Factor Correlations (as of May 29, 2020)

#### Steepener

• Similar to the second principal component of interest rate changes, but it is instead defined by a fixed parametric shape

### **Emerging Market Hard Currency Credit**

 Captures the return of investible EM sovereign bonds, broadly aligning with major EM local currency debt indexes

#### **Emerging Market Rates**

Captures the return of investible EM sovereign bonds, broadly aligning with major EM local currency debt indexes

## Pure Hedge Fund Strategy

 Additional component of return intermediate to aggregate hedge fund returns explained by traditional and systematic strategy factors



Tier 2 Model Horizon: <sup>O</sup> Short (MAC.S) <sup>®</sup> Long (MAC.L)

Source: The MSCI Multi-Asset Class Factor Model (MAC).

Note: The MAC model adopts the following sign conventions for rates, inflation and credit factors. For rates factors, positive returns correspond to positive Treasury-bond returns and negative interest-rate changes; for inflation factors, positive returns correspond to positive returns of inflation-linked bonds (everything else equal) and negative changes in inflation expectation; and for credit factors, positive returns correspond to positive credit-asset returns (everything else equal) and negative changes.

# About MSCI

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