

MSCI IndexMetrics®

MSCI WORLD ESG SCREENED INDEX MSCI EM ESG SCREENED INDEX

October 2022



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MSCI World ESG Screened Index

Key Metrics

| | MSCI World Index | MSCI World ESG Screened Index - Current | MSCI World ESG Screened Index - Simulated |
|---------------------------|------------------|---|---|
| Total Return* (%) | 12.4 | 11.6 | 11.5 |
| Total Risk (%) | 17.2 | 17.6 | 17.6 |
| Return / Risk | 0.67 | 0.60 | 0.60 |
| Sharpe Ratio | 0.65 | 0.59 | 0.59 |
| Active Return (%) | 0.0 | -0.9 | -0.9 |
| Tracking Error (%) | 0.0 | 1.0 | 1.1 |
| Information Ratio | | -0.85 | -0.84 |
| Historical Beta | 1.00 | 1.02 | 1.02 |
| Number of Constituents*** | 1564 | 1463 | 1449 |
| Turnover** (%) | 2.4 | 3.6 | 3.9 |

Period: May 29, 2020 to Sep 09, 2022. * Gross returns annualized in USD ** Annualized one-way index turnover over index reviews *** Monthly averages

Performance (%)

| | MSCI World Index | MSCI World ESG Screened Index – Current | MSCI World ESG Screened Index - Simulated |
|-------|------------------|---|---|
| YTD | -15.7 | -17.7 | -17.7 |
| 1 Yr | -12.7 | -14.9 | -14.9 |
| 3 Yr | | | |
| 5 Yr | | | |
| 10 Yr | | | |

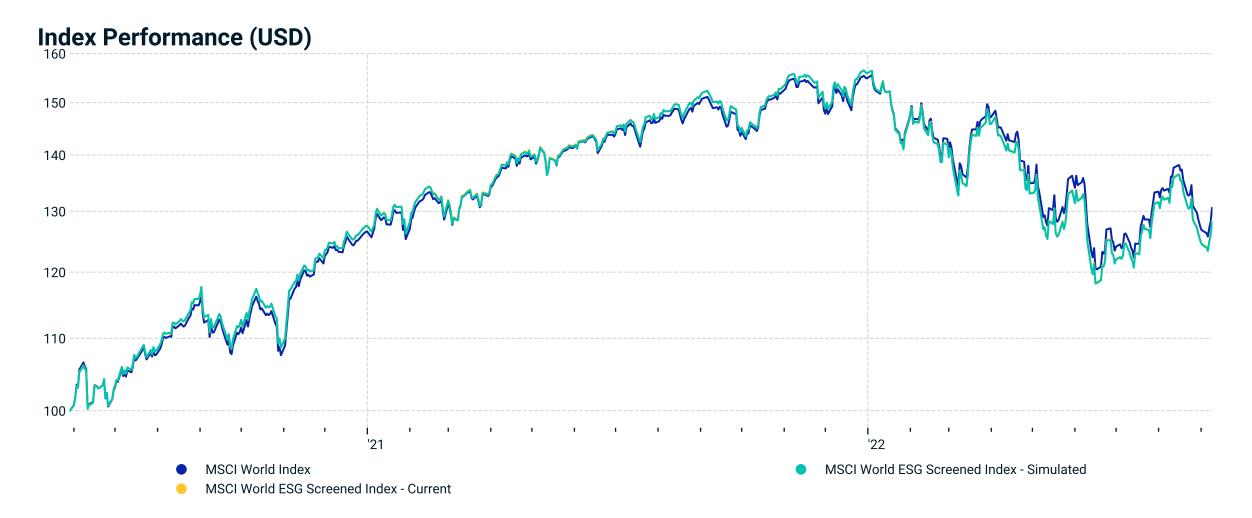
Gross returns for the period ending Sep 09, 2022. Returns are annualized for periods longer than a year



"MSCI World ESG Screened Index – Current" is a simulated index that uses the current index methodology (as of September 1, 2022) across the simulated history.

"MSCI World ESG Screened – Simulated" is a simulated index that reflects the enhancements to be implemented at the February 2023 QIR across the simulated history.

Data on Human Rights due diligence, ILO due diligence and Operations in biodiversity-sensitive areas was backfilled prior to March 2021. Data on UNGC compliance mechanism was backfilled prior to July 2021.



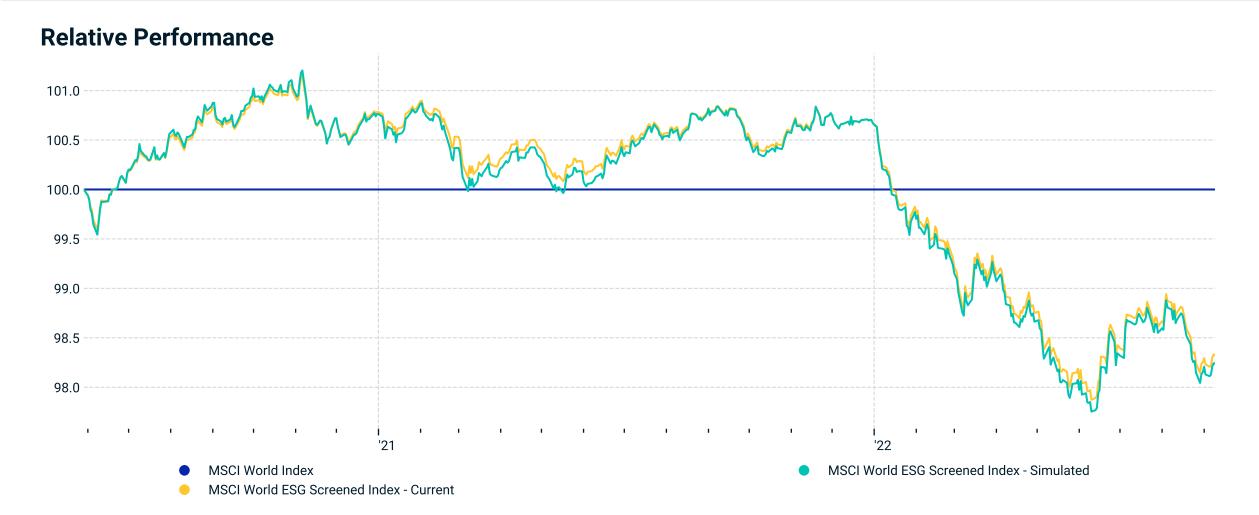


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4

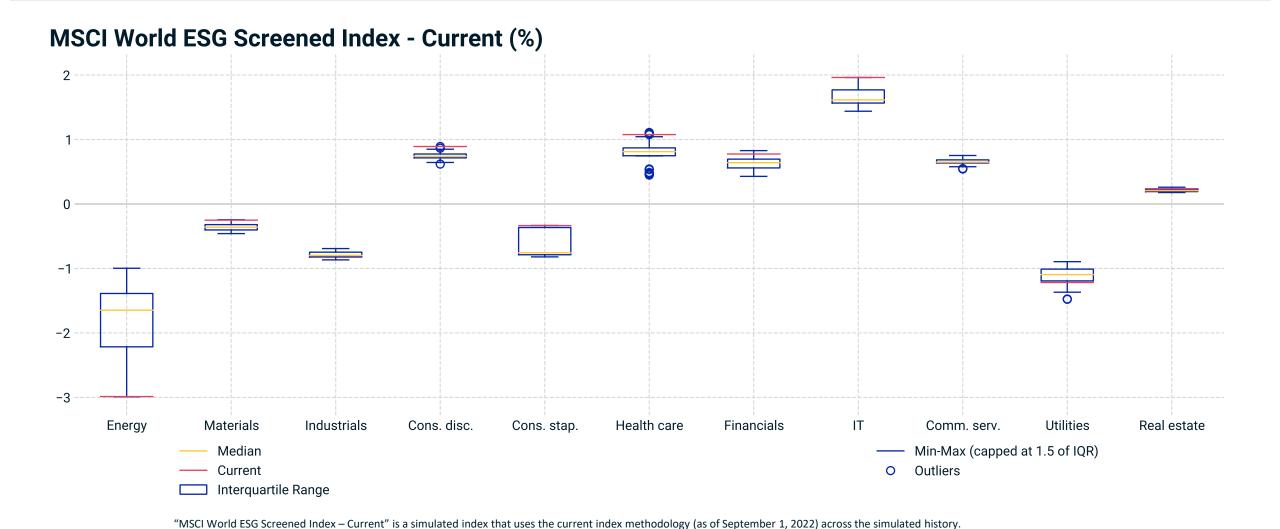




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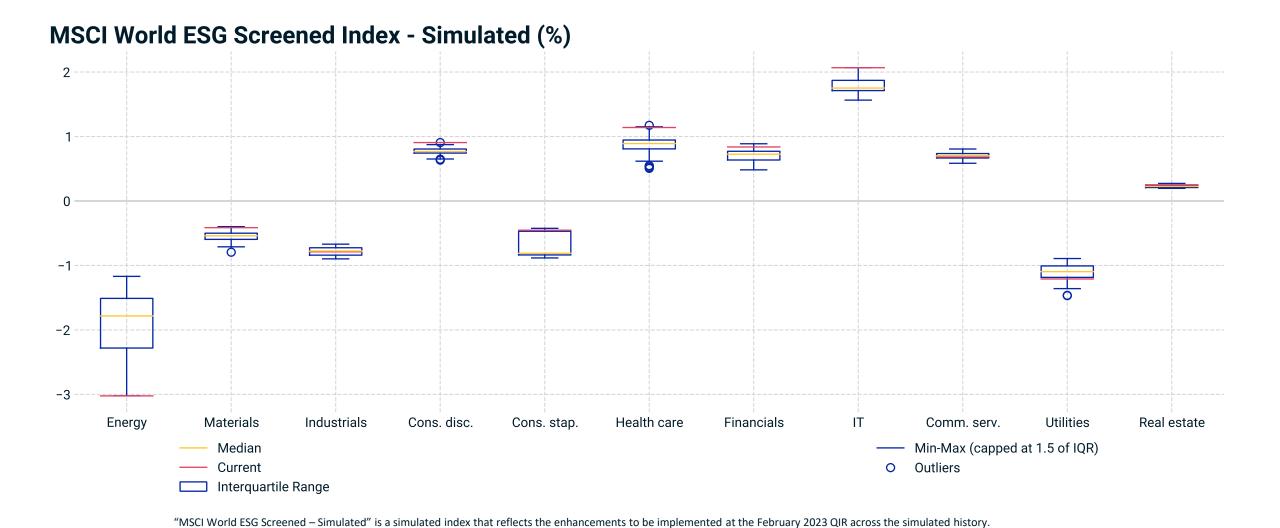
Period: May 29, 2020 to Aug 31, 2022, monthly data.

MSC

MSCI IndexMetrics[®] Information Classification: GENERAL

Data on Human Rights due diligence, ILO due diligence and Operations in biodiversity-sensitive areas was backfilled prior to March 2021. Data on UNGC compliance mechanism was backfilled prior to July 2021.

MSC



Period: May 29, 2020 to Aug 31, 2022, monthly data.

Information Classification: GENERAL

Data on Human Rights due diligence, ILO due diligence and Operations in biodiversity-sensitive areas was backfilled prior to March 2021. Data on UNGC compliance mechanism was backfilled prior to July 2021.

MSCI World ESG Screened Index - Current (%)

| | Min | Max | Average | Current |
|-------------|------|------|---------|---------|
| Energy | -3.0 | -1.0 | -1.8 | -3.0 |
| Materials | -0.5 | -0.2 | -0.4 | -0.3 |
| Industrials | -0.9 | -0.7 | -0.8 | -0.8 |
| Cons. Disc. | 0.6 | 0.9 | 0.7 | 0.9 |
| Cons. Stap. | -0.8 | -0.3 | -0.6 | -0.3 |
| Health Care | 0.4 | 1.1 | 0.8 | 1.1 |
| Financials | 0.4 | 0.8 | 0.6 | 0.8 |
| IT | 1.4 | 2.0 | 1.7 | 2.0 |
| Comm. Serv. | 0.5 | 0.8 | 0.7 | 0.6 |
| Utilities | -1.5 | -0.9 | -1.1 | -1.2 |
| Real Estate | 0.2 | 0.3 | 0.2 | 0.2 |

MSCI World ESG Screened Index - Simulated (%)

| | Min | Max | Average | Current | |
|-------------|------|------|---------|---------|--|
| Energy | -3.0 | -1.2 | -1.9 | -3.0 | |
| Materials | -0.8 | -0.4 | -0.6 | -0.4 | |
| Industrials | -0.9 | -0.7 | -0.8 | -0.8 | |
| Cons. Disc. | 0.6 | 0.9 | 0.8 | 0.9 | |
| Cons. Stap. | -0.9 | -0.4 | -0.7 | -0.5 | |
| Health Care | 0.5 | 1.2 | 0.9 | 1.1 | |
| Financials | 0.5 | 0.9 | 0.7 | 0.8 | |
| IT | 1.6 | 2.1 | 1.8 | 2.1 | |
| Comm. Serv. | 0.6 | 0.8 | 0.7 | 0.7 | |
| Utilities | -1.5 | -0.9 | -1.1 | -1.2 | |
| Real Estate | 0.2 | 0.3 | 0.2 | 0.3 | |
| | | | | | |

Period: May 29, 2020 to Aug 31, 2022, monthly data.

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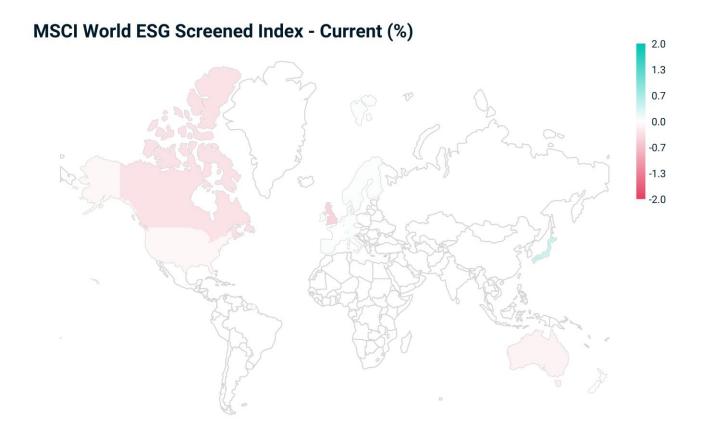


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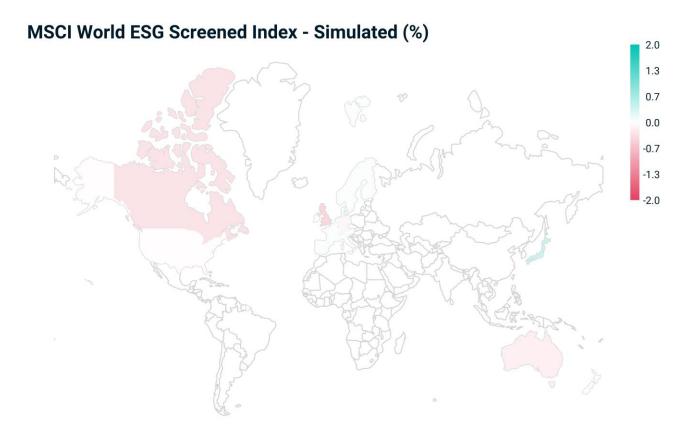
Active Country Exposures Geo Map





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Active Country Exposures Geo Map



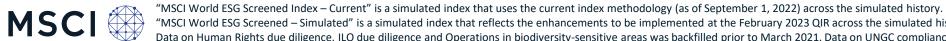
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ESG Metrics

Integration, Values and Norms

| | MSCI World Index | MSCI World ESG Screened Index - Current | MSCI World ESG Screened Index - Simulated |
|---|------------------|---|---|
| Integration | | | |
| ESG Score | 6.8 | 6.9 | 6.9 |
| ESG Leaders (AAA-AA) (%) | 38.7 | 39.8 | 39.8 |
| ESG Laggards (B-CCC) (%) | 1.9 | 2.0 | 1.9 |
| ESG Trend Positive (%) | 36.3 | 35.8 | 35.9 |
| ESG Trend Negative (%) | 2.7 | 2.7 | 2.7 |
| Index ESG Rating | AAA | AAA | AAA |
| Environmental Pillar Score | 6.1 | 6.3 | 6.4 |
| Social Pillar Score | 5.2 | 5.2 | 5.2 |
| Governance Pillar Score | 5.7 | 5.7 | 5.7 |
| Key Governance Metrics | | | |
| Board Independence (wtd Avg %) | 80.0 | 79.6 | 79.6 |
| Female Directors (wtd Avg %) | 33.5 | 33.5 | 33.5 |
| Deviation from One Share One Vote (%) | 20.9 | 22.1 | 22.2 |
| Values and Norms | | | |
| Tobacco Involvement (%) | 1.0 | 0.0 | 0.0 |
| Civilian Firearms Producers (%) | 0.1 | 0.0 | 0.0 |
| Ties to Controversial Weapons (%) | 0.6 | 0.0 | 0.0 |
| Global Compact Compliance Violation (%) | 0.4 | 0.1 | 0.1 |
| Red Flag Controversies (%) | 0.5 | 0.1 | 0.1 |
| Orange Flag Controversies (%) | 34.3 | 34.0 | 33.8 |

As of August 31, 2022.



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11

ESG Metrics

Climate Change

| | MSCI World Index | MSCI World ESG Screened Index - Current | MSCI World ESG Screened Index - Simulated |
|--|------------------|---|---|
| Climate Footprint | | | |
| Carbon Intensity – Scope 1 + 2 + 3 (Wtd Avg t CO2e/\$M EVIC) | 354 | 264 | 245 |
| Carbon Intensity – Scope 1 + 2 (Wtd Avg t CO2e/\$M EVIC) | 45 | 30 | 28 |
| Carbon Emissions to Sales – Scope 1 + 2 + 3 (Wtd Avg t CO2e/\$M Sales) | 1042 | 730 | 715 |
| Carbon Emissions to Sales – Scope 1 + 2 (Wtd Avg t CO2e/\$M Sales) | 151 | 95 | 93 |
| Low Carbon Transition Risks | | | |
| Low Carbon Transition Score | 6.1 | 6.3 | 6.3 |
| Solutions (%) | 8.7 | 9.4 | 9.5 |
| Product & Operational Transition (%) | 15.2 | 11.4 | 11.3 |
| Asset Stranding (%) | 0.5 | 0.2 | 0.2 |
| Exposure to Asset Stranding Risks | | | |
| Potential Carbon Emissions (t CO2e/\$M Invested) | 1339 | 438 | 434 |
| Fossil Fuel Reserves (%) | 6.5 | 2.7 | 2.7 |
| Thermal Coal Mining (%) | 0.8 | 0.5 | 0.5 |
| Thermal Coal-Based Power Generation (%) | 2.8 | 1.6 | 1.6 |
| Unconventional Oil & Gas Extraction (%) | 4.2 | 1.0 | 1.0 |
| Exposure to Clean Technology Solutions | | | |
| Clean Technologies Solutions (> 20% Revenue) | 9.8 | 10.4 | 10.5 |
| Clean Technologies Solutions Revenue (wtd Avg %) | 5.5 | 5.8 | 5.8 |
| Green/fossil Fuel-Based Net Revenue Exposure | 2.1 | 9.1 | 9.8 |
| Other Climate Metrics | | | |
| Exposure to Carbon-Related Assets (%) | 8.2 | 4.1 | 4.0 |
| Climate-Related Controversies (%, Score ≤ 4) | 0.8 | 0.2 | 0.2 |
| Low Carbon Transition Management Score (% Top Quartile) | 72.1 | 73.7 | 73.7 |

As of August 31, 2022.

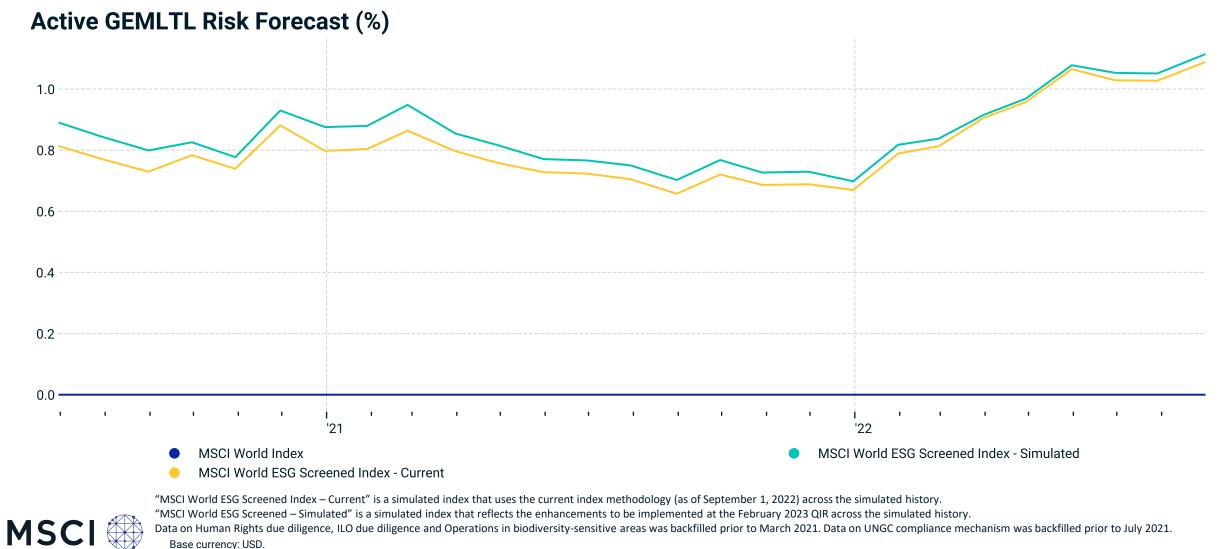


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Active GEMLTL Risk Forecast



MSCI World Index **MSCI World ESG Screened Index - Current** MSCI World ESG Screened Index - Simulated Concentration* Average Number of Constituents 1564 1463 1449 Effective Number of Constituents 165 145 144 92.8 92.3 Parent Index Coverage (%) 100.0 Top 10 Constituents Weight (%) 17.7 19.1 19.2 Size Family Exposures** 83.7 83.6 83.6 Large (%) Mid (%) 16.3 16.4 16.4 0.0 0.0 Small (%) 0.0 Micro (%) 0.0 0.0 0.0 Index Capacity - Float Market Cap Ownership*** Average (%) 0.00 0.00 0.00 95th Percentile (%) 0.00 0.00 0.00 Maximum (%) 0.00 0.00 0.00 Index Capacity - Full Market Cap Ownership*** Average (%) 0.00 0.00 0.00 95th Percentile (%) 0.00 0.00 0.00 0.00 Maximum (%) 0.00 0.00 Degree of Index Tilt* Active Share (%) 0.0 7.2 7.7 1.0 1.1 Average Weight Multiplier 1.1 Maximum Weight Multiplier 1.0 1.1 1.1 Maximum Weight (%) 4.4 4.7 4.8

Capacity and Concentration Metrics

Period: May 29, 2020 to Aug 31, 2022.

* Monthly averages ** Monthly averages, size family data available from June 2008 *** Assuming a fund size of USD 1.0 bn as of the latest index review on August 31, 2022



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14





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Benchmark Coverage (%) 100 -98 96 94 92 1.1 1.1 1 1.1 1 - E 1 1. '21 '22 MSCI World Index MSCI World ESG Screened Index - Simulated

MSCI World ESG Screened Index - Current



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EM ESG Screened Simulation

Key Metrics

| | MSCI EM (Emerging Markets) Index | MSCI EM ESG Screened Index - Current | MSCI EM ESG Screened Index - Proposal |
|---------------------------|----------------------------------|--------------------------------------|---------------------------------------|
| Total Return* (%) | 4.9 | 4.2 | 4.2 |
| Total Risk (%) | 14.9 | 14.9 | 14.9 |
| Return / Risk | 0.41 | 0.36 | 0.36 |
| Sharpe Ratio | 0.39 | 0.35 | 0.35 |
| Active Return (%) | 0.0 | -0.6 | -0.6 |
| Tracking Error (%) | 0.0 | 0.7 | 0.9 |
| Information Ratio | | -0.96 | -0.71 |
| Historical Beta | 1.00 | 1.00 | 1.00 |
| Number of Constituents*** | 1399 | 1314 | 1290 |
| Turnover** (%) | 6.6 | 7.6 | 8.5 |

Period: May 29, 2020 to Sep 09, 2022. * Gross returns annualized in USD ** Annualized one-way index turnover over index reviews *** Monthly averages

Performance (%)

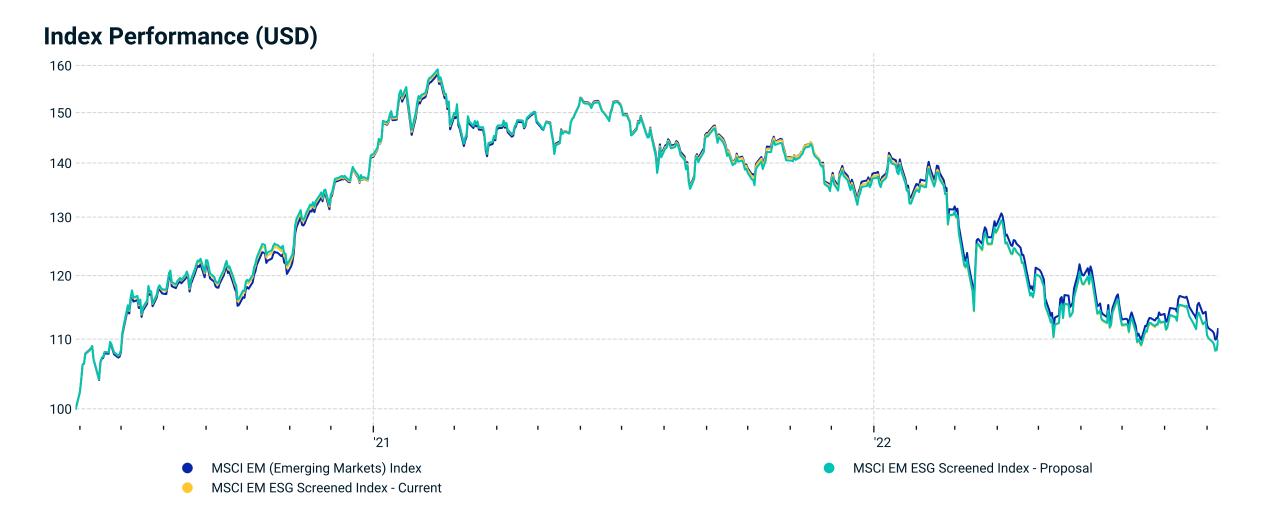
| | MSCI EM (Emerging Markets) Index | MSCI EM ESG Screened Index - Current | MSCI EM ESG Screened Index - Proposal |
|-------|----------------------------------|--------------------------------------|---------------------------------------|
| YTD | -19.2 | -20.1 | -19.9 |
| 1 Yr | -22.9 | -23.9 | -23.7 |
| 3 Yr | | | |
| 5 Yr | | | |
| 10 Yr | | | |

Gross returns for the period ending Sep 09, 2022. Returns are annualized for periods longer than a year



"MSCI EM ESG Screened Index – Current" is a simulated index that uses the current index methodology (as of September 1, 2022) across the simulated history.

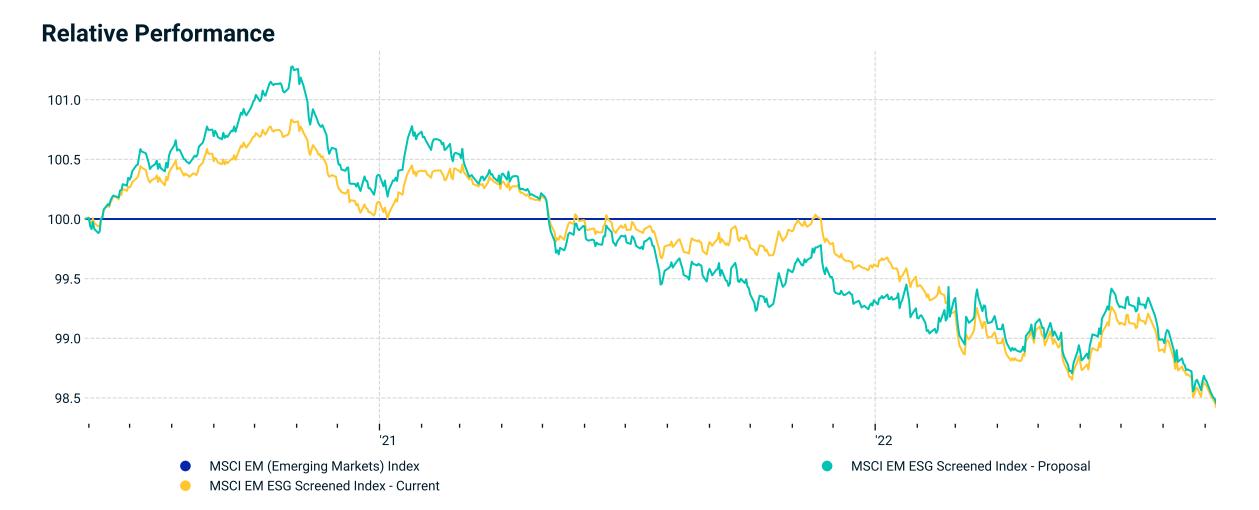
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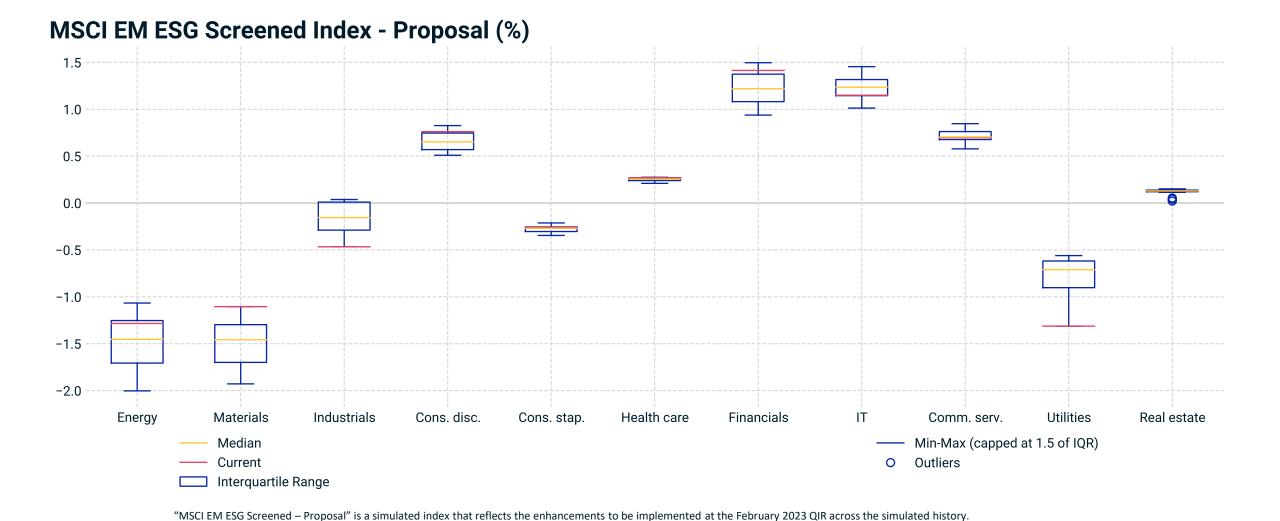
MSCI EM ESG Screened Index - Current (%)



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MSC



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Information Classification: GENERAL

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MSCI EM ESG Screened Index - Current (%)

| | Min | Max | Average | Current |
|-------------|------|------|---------|---------|
| Energy | -1.3 | -0.6 | -0.9 | -1.3 |
| Materials | -1.6 | -0.9 | -1.3 | -0.9 |
| Industrials | -0.2 | 0.0 | -0.1 | -0.2 |
| Cons. Disc. | 0.5 | 0.7 | 0.6 | 0.6 |
| Cons. Stap. | -0.3 | -0.1 | -0.2 | -0.1 |
| Health Care | 0.1 | 0.2 | 0.2 | 0.2 |
| Financials | 0.6 | 1.2 | 0.9 | 1.2 |
| IT | 0.7 | 1.1 | 0.9 | 1.0 |
| Comm. Serv. | 0.4 | 0.6 | 0.5 | 0.6 |
| Utilities | -1.1 | -0.5 | -0.7 | -1.1 |
| Real Estate | -0.0 | 0.1 | 0.1 | 0.1 |

MSCI EM ESG Screened Index - Proposal (%)

| | Min | Max | Average | Current |
|-------------------------|-------------------|---------|---------|---------|
| Energy | -2.0 | -1.1 | -1.5 | -1.3 |
| Materials | -1.9 | -1.1 | -1.5 | -1.1 |
| Industrials | -0.5 | 0.0 | -0.2 | -0.5 |
| Cons. Disc. | 0.5 | 0.8 | 0.7 | 0.8 |
| Cons. Stap. | -0.3 | -0.2 | -0.3 | -0.3 |
| Health Care | 0.2 | 0.3 | 0.3 | 0.3 |
| Financials | 0.9 | 1.5 | 1.2 | 1.4 |
| ΙТ | 1.0 | 1.5 | 1.2 | 1.1 |
| Comm. Serv. | 0.6 | 0.8 | 0.7 | 0.7 |
| Utilities | -1.3 | -0.6 | -0.8 | -1.3 |
| Real Estate | 0.0 | 0.2 | 0.1 | 0.1 |
| Deried: May 20, 2020 to | Aug 21 2022 month | lu data | | |

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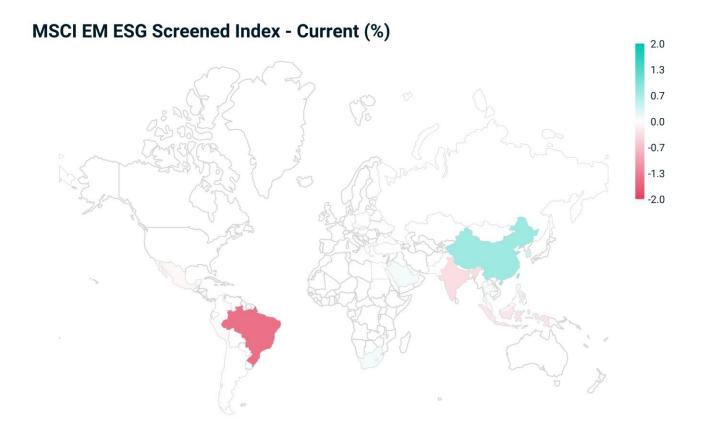


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Active Country Exposures Geo Map

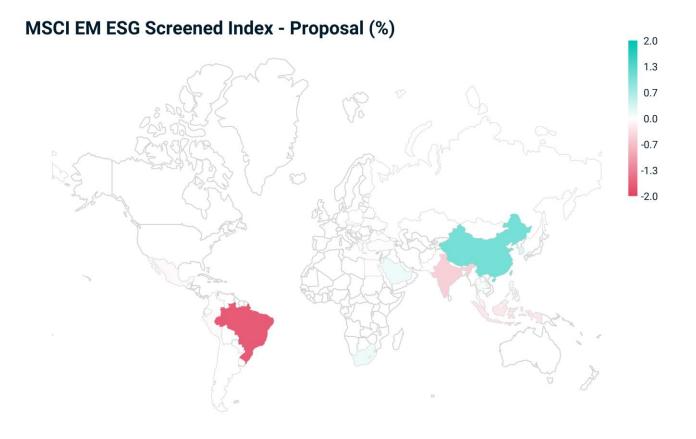




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As of Aug 31, 2022.

Active Country Exposures Geo Map



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As of Aug 31, 2022.

ESG Metrics

Integration, Values and Norms

| | MSCI EM (Emerging Markets) Index | MSCI EM ESG Screened Index - Current | MSCI EM ESG Screened Index - Proposal |
|---|----------------------------------|--------------------------------------|---------------------------------------|
| Integration | | | |
| ESG Score | 5.3 | 5.4 | 5.4 |
| ESG Leaders (AAA-AA) (%) | 19.1 | 19.7 | 19.9 |
| ESG Laggards (B-CCC) (%) | 15.6 | 14.0 | 13.8 |
| ESG Trend Positive (%) | 29.2 | 30.2 | 30.5 |
| ESG Trend Negative (%) | 9.2 | 9.3 | 9.4 |
| Index ESG Rating | BBB | А | А |
| Environmental Pillar Score | 5.1 | 5.2 | 5.2 |
| Social Pillar Score | 5.0 | 5.1 | 5.1 |
| Governance Pillar Score | 4.3 | 4.4 | 4.4 |
| Key Governance Metrics | | | |
| Board Independence (wtd Avg %) | 61.1 | 60.7 | 60.7 |
| Female Directors (wtd Avg %) | 14.9 | 15.0 | 14.9 |
| Deviation from One Share One Vote (%) | 42.7 | 41.7 | 41.4 |
| Values and Norms | | | |
| Гоbacco Involvement (%) | 0.4 | 0.0 | 0.0 |
| Civilian Firearms Producers (%) | 0.0 | 0.0 | 0.0 |
| Γies to Controversial Weapons (%) | 0.4 | 0.0 | 0.0 |
| Global Compact Compliance Violation (%) | 0.9 | 0.0 | 0.0 |
| Red Flag Controversies (%) | 0.9 | 0.0 | 0.0 |
| Orange Flag Controversies (%) | 12.2 | 11.2 | 10.4 |

As of August 31, 2022.

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ESG Metrics

| Climate | Change |
|---------|--------|
|---------|--------|

| | MSCI EM (Emerging Markets) Index | MSCI EM ESG Screened Index - Current | MSCI EM ESG Screened Index - Proposal | |
|--|----------------------------------|--------------------------------------|---------------------------------------|--|
| Climate Footprint | | | | |
| Carbon Intensity – Scope 1 + 2 + 3 (Wtd Avg t CO2e/\$M EVIC) | 628 | 426 | 418 | |
| Carbon Intensity - Scope 1 + 2 (Wtd Avg t CO2e/\$M EVIC) | 127 | 92 | 87 | |
| Carbon Emissions to Sales – Scope 1 + 2 + 3 (Wtd Avg t CO2e/\$M Sales) | 368 | 235 | 230 | |
| Carbon Emissions to Sales – Scope 1 + 2 (Wtd Avg t CO2e/\$M Sales) | 1550 | 1550 1105 | | |
| Low Carbon Transition Risks | | | | |
| Low Carbon Transition Score | 5.9 | 6.1 | 6.1 | |
| Solutions (%) | 4.1 | 4.0 | 4.0 | |
| Product & Operational Transition (%) | 20.3 | 18.6 | 17.9 | |
| Asset Stranding (%) | 1.6 | 0.4 | 0.4 | |
| Exposure to Asset Stranding Risks | | | | |
| Potential Carbon Emissions (t CO2e/\$M Invested) | 4850 | 516 | 521 | |
| Fossil Fuel Reserves (%) | 6.6 | 4.2 | 4.1 | |
| Thermal Coal Mining (%) | 2.7 | 1.0 | 0.8 | |
| Thermal Coal-Based Power Generation (%) | 2.7 | 1.1 | 0.6 | |
| Unconventional Oil & Gas Extraction (%) | 2.2 | 2.3 | 2.3 | |
| Exposure to Clean Technology Solutions | | | | |
| Clean Technologies Solutions (> 20% Revenue) | 5.4 | 5.4 | 5.4 | |
| Clean Technologies Solutions Revenue (wtd Avg %) | 4.7 | 4.7 | 4.7 | |
| Green/fossil Fuel-Based Net Revenue Exposure | 2.6 | 6.8 | 6.9 | |
| Other Climate Metrics | | | | |
| Exposure to Carbon-Related Assets (%) | 7.3 | 5.4 | 5.3 | |
| Climate-Related Controversies (%, Score ≤ 4) | 0.0 | 0.0 | 0.0 | |
| Low Carbon Transition Management Score (% Top Quartile) | 27.5 | 27.6 | 27.3 | |

As of August 31, 2022.

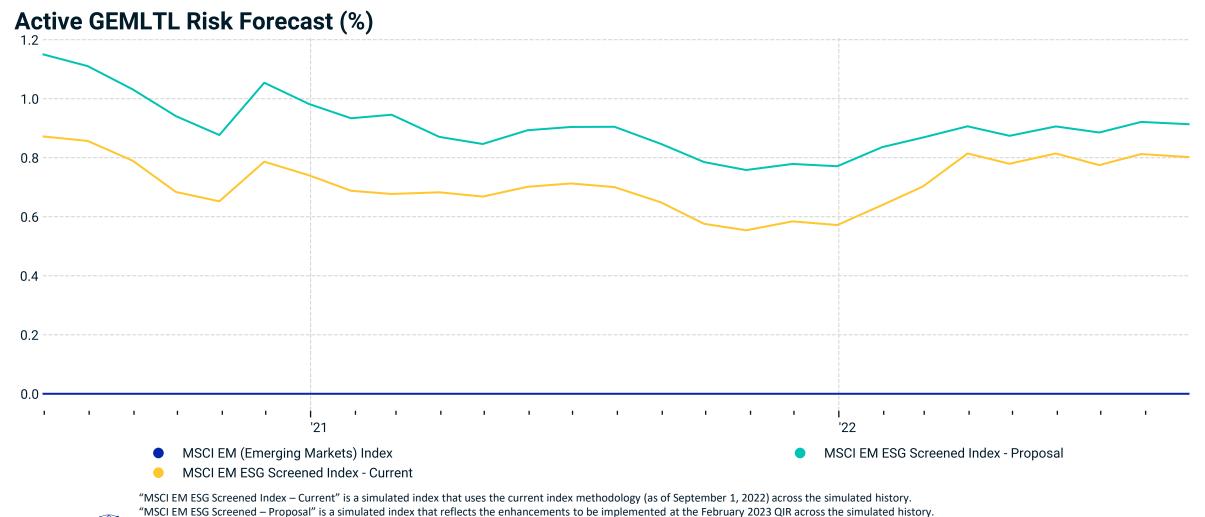


"MSCI EM ESG Screened Index – Current" is a simulated index that uses the current index methodology (as of September 1, 2022) across the simulated history.

"MSCI EM ESG Screened – Proposal" is a simulated index that reflects the enhancements to be implemented at the February 2023 QIR across the simulated history.

Data on Human Rights due diligence, ILO due diligence and Operations in biodiversity-sensitive areas was backfilled prior to March 2021. Data on UNGC compliance mechanism was backfilled prior to July 2021.

Active GEMLTL Risk Forecast





Data on Human Rights due diligence, ILO due diligence and Operations in biodiversity-sensitive areas was backfilled prior to March 2021. Data on UNGC compliance mechanism was backfilled prior to July 2021. Base currency: USD.

Capacity and Concentration Metrics

| | MSCI EM (Emerging Markets) Index | MSCI EM ESG Screened Index - Current | MSCI EM ESG Screened Index - Proposal |
|--|----------------------------------|--------------------------------------|---------------------------------------|
| Concentration* | | | |
| Average Number of Constituents | 1399 | 1314 | 1290 |
| Effective Number of Constituents | 79 | 73 | 71 |
| Parent Index Coverage (%) | 100.0 | 95.4 | 93.9 |
| Top 10 Constituents Weight (%) | 26.7 | 27.9 | 28.3 |
| Size Family Exposures** | | | |
| Large (%) | 85.1 | 85.1 | 85.1 |
| Mid (%) | 14.9 | 14.9 | 14.9 |
| Small (%) | 0.0 | 0.0 | 0.0 |
| Micro (%) | 0.0 | 0.0 | 0.0 |
| Index Capacity - Float Market Cap Ownership*** | | | |
| Average (%) | 0.01 | 0.01 | 0.01 |
| 95th Percentile (%) | 0.02 | 0.02 | 0.02 |
| Maximum (%) | 0.02 | 0.02 | 0.02 |
| Index Capacity - Full Market Cap Ownership*** | | | |
| Average (%) | 0.01 | 0.01 | 0.01 |
| 95th Percentile (%) | 0.01 | 0.02 | 0.02 |
| Maximum (%) | 0.02 | 0.02 | 0.02 |
| Degree of Index Tilt* | | | |
| Active Share (%) | 0.0 | 4.6 | 6.1 |
| Average Weight Multiplier | 1.0 | 1.0 | 1.1 |
| Maximum Weight Multiplier | 1.0 | 1.0 | 1.1 |
| Maximum Weight (%) | 6.9 | 7.2 | 7.3 |

Period: May 29, 2020 to Aug 31, 2022.

* Monthly averages ** Monthly averages, size family data available from June 2008 *** Assuming a fund size of USD 1.0 bn as of the latest index review on August 31, 2022



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1420 1400 1380 1360 1340 1320 1300 1280 1260 '21 '22 MSCI EM (Emerging Markets) Index MSCI EM ESG Screened Index - Proposal MSCI EM ESG Screened Index - Current

Number of Constituents

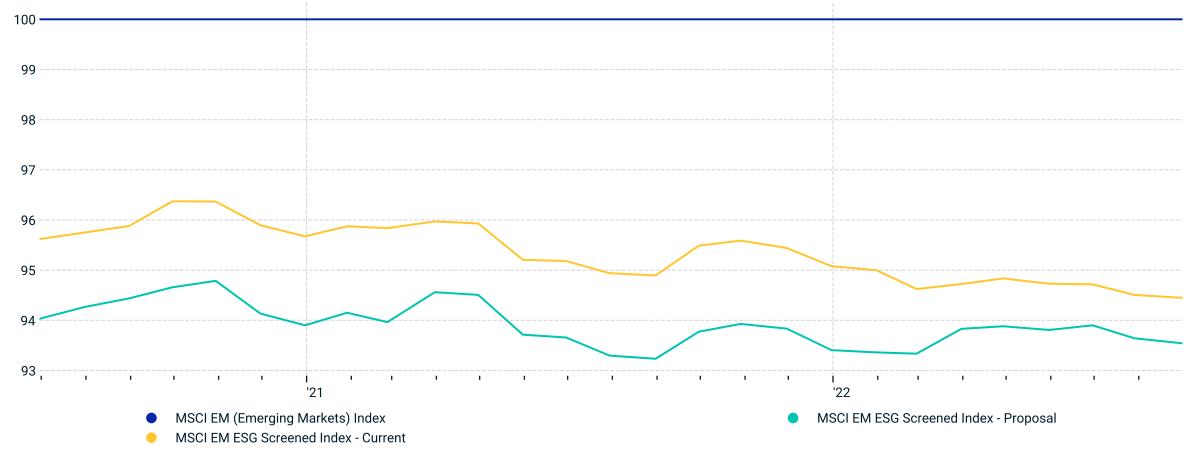


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Benchmark Coverage (%)





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Appendix

Risk and Return Metrics

Definition Definition Total Return (%) Skewness of index returns (based on monthly data), measures the Annualized index return Skewness degree of asymmetry of the return distribution. Total Risk (%) Annualized index risk (based on monthly returns) Kurtosis of index returns (based on monthly data), measures the Return / Risk Ratio of annualized return and annualized risk Kurtosis degree of peakedness of the return distribution. The Sharpe ratio is computed as the ratio of index excess returns and annualized total Maximum Active Returns Drawdown (%) Maximum active return drawdown (based on daily data) Sharpe Ratio risk where excess return is defined as the difference between the annualized total index return and the risk free rate corresponding to the currency of analysis Maximum Active Returns Drawdown Period (months) Maximum active return drawdown period (based on daily data) Difference of the annualized index return and the annualized benchmark return Asset active weight multiplied by its marginal contribution to active Active Return (%) Active Risk Contribution (%) risk and divided by the total index active risk Tracking Error (%) Annualized standard deviation of active returns (based on monthly data) Contributions to cross-sectional volatility (based on monthly data, 12-Cross-Sectional Volatility Contributions (%) Information Ratio Ratio of index active return and tracking error (based on monthly data) month moving average) Beta is a measure of the level of co-movement between an index and its benchmark. It is Weighted average of exposures to thematic relevance scores. Historical Beta calculated as the correlation between index and benchmark returns multiplied by the Thematic Exposure (%) Thematic relevance scores are expressed as a percentage to gauge a ratio of total risk of the index and its benchmark (based on monthly data) company's economic linkage to a given theme. Average Number of Constituents Average number of constituents (based on monthly data) Average return for the index when benchmark return is Up/down Markets - Average Monthly Return (%) Turnover (%) Annualized Average one-way index turnover over rebalancing dates positive/negative (based on monthly data) Price to Book Price to book harmonic average (based on monthly data) Average active return for the index when benchmark return is Up/down Markets - Average Monthly Active Return (%) positive/negative (based on monthly data) Price to Earnings Price to earnings harmonic average (based on monthly data) Historical beta computed for the index and benchmark returns when Dividend Yield (%) Dividend yield (%) average (based on monthly data) Up/down Markets - Beta benchmark return is positive/negative (based on monthly data) Annualized lower semi-deviation of index total returns (based on monthly data) Downside Deviation (%) Correlation between the index and benchmark returns when Up/down Markets - Correlation Ratio of the Average excess return (above a specified Acceptable Return, MAR, assumed benchmark return is positive/negative (based on monthly data) Sortino Ratio to be 0%) and downside deviation Ratio of average index and benchmark returns when benchmark return Up/down Markets - Capture Ratio (%) 5th percentile of historical index returns (based on monthly data) VaR @ 95% (%) is positive/negative (based on monthly data) VaR @ 99% (%) 1st percentile of historical index returns (based on monthly data) Up/down Markets - Beta Timing Ratio of up and down market betas (based on monthly data) Expected Shortfall (CVaR) @ 95% (%) Average of returns below Var @ 95% (based on monthly data) Expected Shortfall (CVaR) @ 99% (%) Average of returns below Var @ 99% (based on monthly data) Maximum Drawdown (%) Maximum index drawdown (based on daily data) Maximum index drawdown period (based on daily data)



Maximum Drawdown Period (months)

Appendix

ESG: Integration, Values and Norms

| | Definition | | Definition | | |
|--------------------------------|---|---|--|--|--|
| ESG Score | Weighted average ESG Score. The ESG Score indicates how well the index companies manage their most material ESG risks relative to sector peers. Scores range from 10 (best) to | Deviation from One Share One Vote (%) | Exposure to companies flagged for any of multiple equity classes with differential voting rights, golden shares or limitations on voting rights. | | |
| | 0 (worst). | | Exposure to companies flagged for involvement in tobacco. Specifically, tobacco | | |
| ESG Leaders (AAA-AA) (%) | Exposure to companies with an ESG rating of AAA or AA (best in class relative to peers). | Tobacco Involvement (%) | producers and companies that derive 5% or more aggregate revenue from the | | |
| ESG Laggards (B-CCC) (%) | Exposure to companies with an ESG rating of B or CCC (worst in class relative to peers). | | manufacture, distribution, retailing, licensing, and supply of tobacco products, as defined by the methodology of the MSCI Global ex Tobacco Involvement Indexes. | | |
| ESG Trend Positive (%) | Exposure to companies with a rating upgrade in the year prior to the most recent ESG rating. | Civilian Firearms Producers (%) | Exposure to civilian firearms producers. | | |
| ESG Trend Negative (%) | Exposure to companies with a rating downgrade in the year prior to the most recent ESG rating. | | Exposure to companies with ties to controversial weapons . MSCI ESG Research Controversial Weapons definition covers cluster munitions, landmines, depleted uranium weapons, biological/chemical weapons, blinding lasers, non-detectable fragments and incendiary weapons, as defined by the methodology of the MSCI | | |
| Index ESG Rating | The letter rating equivalent of the calculation below: ESG Score * (1 + ESG Trend Positive - ESG Trend Negative - ESG Laggards) | Ties to Controversial Weapons (%) | | | |
| Environmental Pillar Score | The Environmental Pillar Score indicates how well the index companies manage their most material environment risks. Scores range from 10 (best) to 0 (worst). | | Global Ex-Controversial Weapons Indexes. | | |
| Environmental Plilar Score | | Global Compact Compliance Violation (%) | Exposure to companies in violation of the UN Global Compact principles. | | |
| Social Pillar Score | The Social Pillar Score indicates how well the index companies manage their most material social risks. Scores range from 10 (best) to 0 (worst). | Red Flag Controversies (%) | Exposure to companies with environment-, governance-, customer-, human rights-, or labor rights-related controversies that are assessed as "Very Severe". | | |
| Governance Pillar Score | The Governance Pillar Score indicates how well the index companies manage their most material governance risks. Scores range from 10 (best) to 0 (worst). | Orange Flag Controversies (%) | Exposure to companies with ongoing environment-, governance-, customer-, hu rights-, or labor rights-related controversies that are assessed as "Severe" and | | |
| Board Independence (wtd Avg %) | Weighted average % of independent board members | | indicate structural problems at the company. | | |
| Female Directors (wtd Avg %) | Weighted average % of female board members. | | | | |





ESG: Climate Change

| | Definition | | Definition | |
|---|--|---|--|--|
| Carbon Intensity (Wtd Avg t CO2e/\$M EVIC) | Carbon emissions normalized by Enterprise Value Including Cash (EVIC) for the index. | Clean Technologies Solutions (> 20% Revenue) | Exposure to companies that derive 20% or more revenue from any of the five clean tech themes: alternative energy, energy | |
| Carbon Emissions to Sales (Wtd Avg t CO2e/\$M Sales) | Efficiency of the index in terms of carbon emissions divided by total sales | Gean reciniciogies colutions (~ 20% Revenue) | efficiency, green building, pollution prevention, or sustainable water. | |
| Low Carbon Transition Score | Weighted average low Carbon Transition (LCT) score measuring companies' level of alignment to the LCT. Companies with higher LCT score are more aligned with the LCT compared to the companies with lower | Clean Technologies Solutions Revenue (wtd Avg %) | Weighted average % revenue derived from any of the five clean tech themes including alternative energy, energy efficiency, green building, pollution prevention, or sustainable water. | |
| | scores. Scores range from 0 to 10. | | The ratio of the weighted average clean technologies solutions | |
| Solutions (%) | Exposure to companies involved in low/zero carbon solutions that would have negative total carbon intensity and are likely to benefit in a low carbon scenario. | Green/fossil Fuel-Based Net Revenue Exposure | revenue (%) or "Green Revenue" to the weighted average fossil fuel revenue (%) defined as the weighted average % revenue derived from any of the fossil fuel-related activities including | |
| Product & Operational Transition (%) | Exposure to companies with moderately to highly carbon intensive products | | thermal coal mining, oil and gas extraction, thermal coal-based power generation, and oil and gas-based power generation. | |
| | or operations. Such companies' products or operations could go under transition in a low carbon scenario. | | Exposure to companies that belong to the following GICS | |
| Asset Stranding (%) | Exposure to companies with very high risk exposure to transition risk and may face asset stranding risk in the short to medium term. | Exposure to Carbon-Related Assets (%) | industries: Energy Equipment & Services (101010), Oil, Gas & Consumable Fuels (101020), Electric Utilities (551010), Gas Utilities (551020), Multi-Utilities (551030). | |
| Potential Carbon Emissions (t CO2e/\$M Invested) | Carbon potential emissions normalized for the index. | | Exposure to companies with climate change and energy-related controversies that are flagged as Red, Orange and Yellow, covering scores 0 to 4. Factors affecting this evaluation include a history of involvement in GHG-related legal cases, widespread or egregious impacts due to corporate GHG emissions, resistance to improved practices, and criticism by NGOs and/or other third- | |
| Fossil Fuel Reserves (%) | Exposure to companies that own proved & probable coal and/or oil and natural gas reserves used for energy purposes. The definition is based on the MSCI Global Ex-Fossil Fuel Indexes Methodology. | Climate-Related Controversies (%, Score ≤ 4) | | |
| Thermal Coal Mining (%) | Exposure to companies that derive some of their revenue from thermal coal mining. | | | |
| Thermal Coal-Based Power Generation (%) | Exposure to companies that derive some of their revenue from thermal coal-based power generation. | | party observers. Exposure to companies that belong to the top quartile in terms of their Low Carbon Transition Management Score relative to companies in the relevant GICS Sub-Industry that are constituents of the MSCI ACWI IMI. | |
| Unconventional Oil & Gas Extraction (%) | Exposure to companies that derive revenues from unconventional oil and gas including oil sands, oil shale , shale gas, shale oil, coal seam gas, and coal bed methane. It excludes all types of conventional oil and gas | Low Carbon Transition Management Score (% Top Quartile) | | |
| | production. | | | |



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