

# ESG performance

**As the leading bank in the Zug economic region, we are aware of our responsibilities. We think and act in a future-oriented way, and incorporate environmental and social aspects into our ambitious commercial objectives. By doing so we create added value – for our stakeholder groups and for the environment.**

This document is based on a research paper<sup>1</sup> drawn up by MSCI ESG Research LLC.

## The main points at a glance

- Companies with higher MSCI ESG ratings have a better performance over the long term than companies with lower ratings. This applies both to regions and increasingly also to sectors.
- These companies also have higher earnings growth as well as higher and slightly increasing dividend yields.
- However, it must be remembered that market phases can always occur in which external factors push the performance in the opposite direction.

## Introduction

One of the most frequently asked questions in connection with ESG concerns its influence on a portfolio's performance. When investing responsibly, do investors have to take lower overall returns into account or can it even pay off to consider ESG factors when putting together a portfolio?

This document provides an overview of the various factors involved. A consideration of the fundamental trend on the one hand and the market price trend on the other is key, as major differences exist between MSCI ESG ratings and traditional market risk factors. While the latter represent a direct valuation of the market risk of a share, the MSCI ESG ratings involve a valuation of the company risk.

A performance analysis shows to what extent the differences observed in terms of market risk and performance between companies with high and those with low MSCI ESG ratings are due to differences in the company's management, e.g. the company's ability to increase earnings or to protect it from business risks. In this publication, both the fundamental company

performance and the market performance of the companies in the MSCI ACWI Index are therefore considered.

## Procedure

MSCI ESG scores are used as the basis for the calculations. In contrast to the approach of many other ESG valuation systems, the MSCI ESG rating method or MSCI ESG score (see also the separate publication on our website at [www.zugerkb.ch/en/esg](http://www.zugerkb.ch/en/esg)) focuses exclusively on measuring a company's dependency and resilience in terms of long-term ESG risks of relevance to its sector. Whereas the leading companies have their ESG risks and ESG opportunities under control and are therefore less exposed to potential risks, those languishing at the bottom of the rankings do not have management processes in place for controlling these risks. This can therefore potentially affect their earnings and consequently their share or bond price.

Quantile analysis is an approach frequently used to check the impact of an indicator on the market price trend. For this purpose, MSCI ESG Research LLC divided the companies in the MSCI ACWI universe (All Country World Index, industrial and emerging countries combined) – based on their sector-adjusted ESG scores – into five equal-sized groups, known as quintiles. In order to avoid distortions, these sector-adjusted values were additionally adjusted for company size and the region concerned (North America, Europe, Pacific and emerging-market countries). The quintiles therefore reflect the companies in line with their sector-, size- and region-adjusted ESG ratings. The analysis also uses equally weighted quintiles in order to ensure that the performance results are not influenced by a few large companies. The quintiles are recalculated each month on the basis of the adjusted figures, and the performance is thus determined.

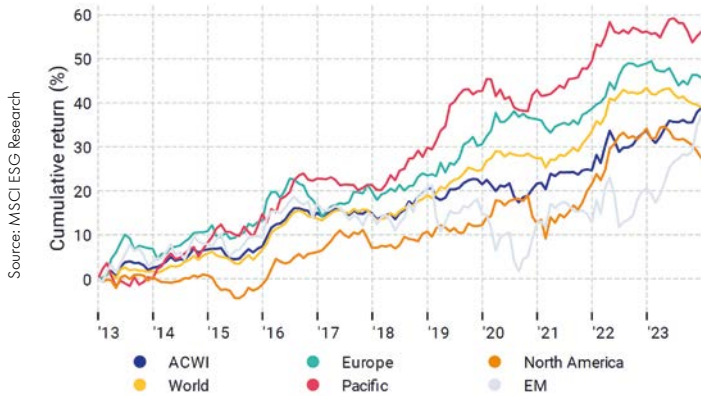
## ESG performance by region

This quantile analysis of MSCI ESG scores was used to determine that companies with higher MSCI ESG ratings outperformed their lower-scoring peers both in the MSCI ACWI Index as well as in the MSCI World Index over the long-term analysis periods. This statement also applies when considering the indi-

<sup>1</sup> Giese, Guido, and Shah, Drashti (2024): MSCI ESG Ratings in Global Equity Markets: A Long-Term Performance Review

vidual regions of Europe, North America, Pacific and emerging-market countries in isolation. The chart below shows the cumulative difference for each region between the uppermost and lowest quintile performance between 31 December 2012 and 29 December 2023.

### Q5-Q1 regional ESG score performance



### Fundamental explanation of the performance

The following breakdown of total return can be used to explain the basis of this outperformance:

$$\text{Total equity return} = \underbrace{\text{earnings growth} + \text{P/E expansion}}_{\text{price return}} + \text{dividend yield}$$

In analysing the individual factors, MSCI ESG Research determined that the outperformance of companies with high MSCI ESG ratings in the MSCI ACWI universe during the analysis period was primarily a result of the following points.

- Companies with higher MSCI ESG ratings reflect higher earnings growth on average than companies with lower ratings.
- Companies with higher MSCI ESG ratings have higher and slightly increasing dividend yields compared with companies with lower ratings.
- There was no indication that outperformance was driven by price-earnings expansion.

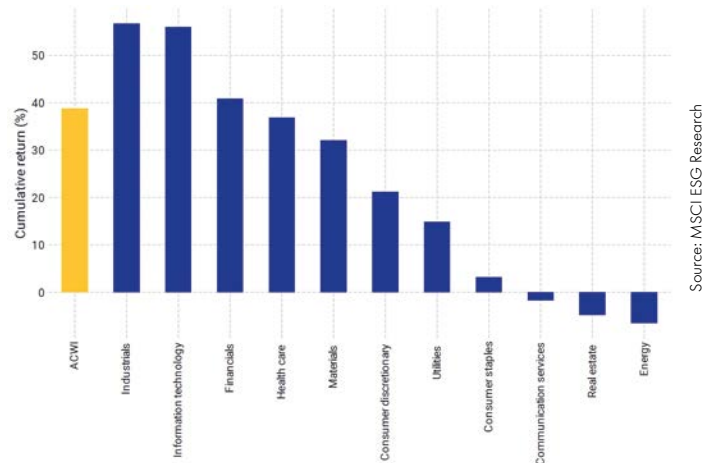
### ESG performance by sector

The MSCI ESG ratings follow a dedicated, sector-specific approach in which the key financial topics are selected in each industry in order to calculate the ratings. Consideration of the performance of the MSCI ESG ratings by sector is therefore important in order to determine the extent to which the selected key topics are actually reflected in the share price trend.

In a similar approach to that taken for the regions, the performance results of the size- and region-adjusted ESG scores are reviewed here too. The following chart is based on the

equally weighted GICS sectors (Global Industry Classification Standard) of MSCI ACWI and shows the cumulative difference for each sector between the highest and lowest quintile performance from 31 December 2012 to 29 December 2023.

### Q5-Q1 sector ESG score performance



The analysis shows that there are considerable differences between the individual sectors in terms of performance, and that companies with higher MSCI ESG ratings achieved a sometimes considerably better performance in seven out of eleven sectors versus companies with lower MSCI ESG ratings. Consumer staples and communication do not reflect any trend, whereas energy and real estate companies with higher MSCI ESG ratings showed a slight underperformance.

### Focus on carbon-intensive sectors

Awareness of climate change in carbon-intensive sectors as a potential risk has increased over the past ten years. This applies primarily to energy, utilities and materials. Companies' commitment and the management of climate change risks in the valuations of MSCI ESG ratings have a higher relative weighting in these sectors compared to others. It is therefore interesting to look at the impact on performance.

The materials and utilities sectors showed a clear outperformance among companies with a high MSCI ESG rating, which makes sense against the backdrop of climate change posing an increasing risk. By contrast, it does not seem logical that the energy sector should reflect a slightly negative performance difference although it is one of the sectors most heavily affected by climate change.

The performance results in industrialised countries in comparison with emerging-market countries could provide an explanation. In the industrialised countries, companies with higher MSCI ESG ratings in all three carbon-intensive sectors achieved a sub-

stantially better performance than companies with lower MSCI ESG ratings, while the opposite was true in emerging-market countries.

The different political and market environments for carbon-intensive activities may explain the observed performance deviations between industrialised countries and emerging-market countries. Both industrialised and emerging-market countries have taken increasing steps to introduce climate-related measures and rules in order to promote a low-carbon transition of the economy. However, industrialised and emerging-market countries are at different stages in terms of distancing themselves from fossil fuels. Emerging-market countries are thus relatively more dependent on coal, and many of these countries are expanding the use of coal to produce energy, in parallel to making greater use of renewable energy sources. This may explain why the partial results are so divergent.

### Performance of MSCI ESG indices

Finally, we would like to take a look at the specially developed MSCI ESG indices in which the MSCI ESG ratings are used as a basis for calculation. They are based on a base index (e.g. MSCI ACWI Index or regional index) and on companies that are selected or weighted on the basis of their MSCI ESG ratings. They include, among others, the well-known MSCI ESG Leaders Index (50% best-in-class sector approach) and the MSCI SRI Index (25% best-in-class sector approach).

Given the similar use of the underlying ESG data it would be very surprising if the results were to lead off in a completely different direction. We can therefore confirm that over a ten-year period, an outperformance versus the underlying base index was observed for all MSCI ACWI ESG indices. Indices with a stricter ESG approach reflect better results.

### Publications

Further publications on ESG are available at [www.zugerkb.ch/en/esg](http://www.zugerkb.ch/en/esg)

### We are a signatory to or a member of the following organisations:

Signatory of:



### Contact

[esg-investments@zugerkb.ch](mailto:esg-investments@zugerkb.ch)

### Legal disclaimer

This document has been prepared for information and marketing purposes only and does not constitute an offer or an invitation by, or on behalf of, Zuger Kantonalbank (ZugerKB) to buy or sell financial instruments or banking services. It is addressed to recipients designated by ZugerKB with residence in Switzerland for personal use and may not be reproduced, in whole or in part, changed or distributed or disseminated to any other addressees without the written permission of ZugerKB. The information in this document is given as of a specific date and has been obtained from sources that ZugerKB believes to be reliable. Nevertheless, ZugerKB cannot make any representation that the information is accurate, complete or up-to-date. ZugerKB does not accept liability for any loss arising from an investment behaviour based on the information in this document. The prices and values of investments mentioned and any income resulting therefrom may fluctuate, rise or fall. A reference to past performance does not include statements about future results. This document does not contain any recommendations of a legal nature or regarding accounting or taxes. Nor should it in any way be construed as an investment or strategy that is appropriate for or tailored to the personal circumstances of the recipient. (V2024)

Certain information contained in this report (the «Information») originates from and/or is copyrighted by MSCI Inc., its subsidiaries («MSCI») or information providers (the «MSCI Parties») and may have been used to calculate scores, signals and other indicators. The information is intended for internal use only and may not be reproduced or redistributed in whole or in part without prior written permission. This information does not constitute an offer to buy or sell and should not be construed as an advertisement or recommendation for any security, financial instrument or product, or trading strategy, or as an indication or guarantee of future performance. Some funds may be based on or linked to MSCI indices, and MSCI may be compensated on the basis of fund assets under management or other key metrics. MSCI has established an information barrier between index research and certain information. None of the Information in and of itself can be used to determine which securities to buy or sell or when to buy or sell them. The Information is provided without warranty of any kind. The user assumes the entire risk of their own use of the Information or its use by a third party authorised by them. The MSCI parties shall not assume any warranty or guarantee for the authenticity, accuracy and/or completeness of the Information and expressly state that they disclaim any warranties of an express or implied nature. The MSCI Parties shall not be liable for any errors or omissions in connection with the information contained herein, nor for any direct, indirect or special damages, punitive damages, consequential or other damages (including lost profits), even if advised of the possibility of such damages.