

Latest Trends in Global ESG Investments

Where we are now and where we are heading

Simon Klein | Global Head Xtrackers Sales

ドイチェ・アセット・マネジメント株式会社 金融商品取引業者 関東財務局長(金商)第359号 加入協会: 日本証券業協会、一般社団法人投資信託協会 一般社団法人日本投資顧問業協会、一般社団法人第二種金融商品取引業協会

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DWS Xtrackers

Agenda

- 01 ESG, where we are
- 02 Sustainability trends in Europe
- 03 Climate in the spotlight
- 04 We are the right partner on your side

DWS History in Responsible Investments

Xtrackers by // Dws

Key millstones in a nutshell

Signatory of the Principles for Responsible Investment (PRI)

2008 - DWS ESG Policy

2009 - First Carbon ETF

2017 - First ESG Xtrackers ETF

DWS is among the first 30 signatories of **Net Zero Asset Managers initiative**Publication of our second sustainability report

2020 - NetZero Industry initiative

1994 - kick off

Launch of our first microfinance funds makes DWS a pioneer in the industry.

First active participation in an investee company's AGM marks the roots of our European View on Good Governance 2014 - DWS ESG Engine

Launch of the **DWS ESG Engine**, our proprietary developed application for the classification of listed companies according to ESG criteria 2018 - Xtrackers ESG Equity Range

2022 - Climate benchmarks

Launches extensive
Paris-aligned benchmark
range covering key
regions. DWS wins ESG
research of the year award
by Environmental Finance

Source: DWS International GmbH as of 24.01. 2023

Factors Driving Growth in ESG Assets

Financial Performance, Regulatory Aspects & Investor Demand



Financial Performance

Risk mitigation by means of including nonfinancial information



Regulatory Aspects

Growth of ESG related policies worldwide

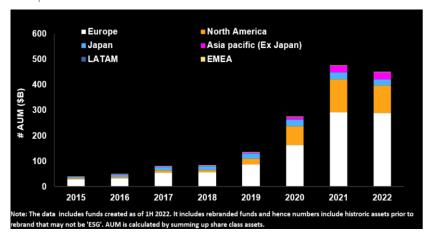


Investor Demand

Increased awareness of sustainable investing, especially on the institutional side

ESG ETF Assets by Fund Domicile

Europe Retains ESG ETF Crown as North America Wavers



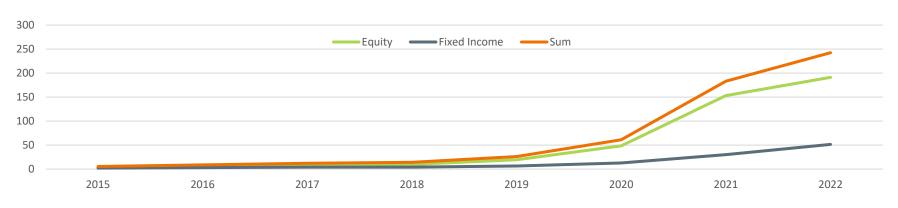
The decline in ESG and values-based ETF assets in 2022 was driven largely by the US, as Europe showed support, a trend we see continuing on favorable regulations such as MiFID II in Europe.

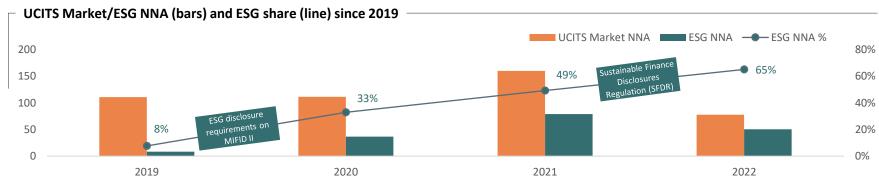
Source: Bloomberg Intelligence, as of 24.01.2023

ESG | Investor Demand

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Rapid Acceleration of ESG ETF Assets due to EU regulatory



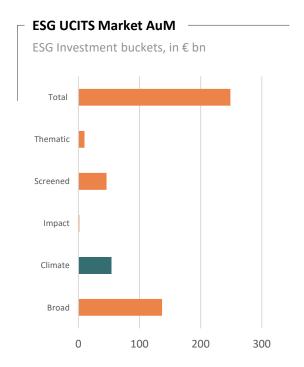


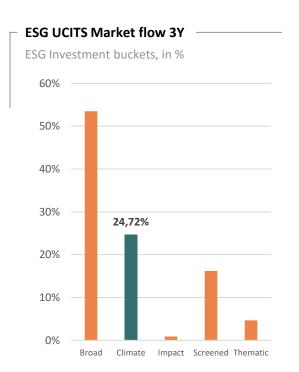
Source: Bloomberg L.P; DWS International GmbH as of Dec 2022.

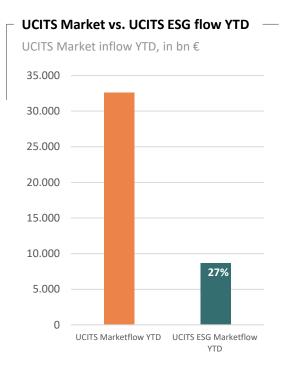


UCITS ESG Market flow picture

Climate is growing in importance and is the largest dedicated ESG investment area







Source: DWS International GmbH, as of 21.03.2023



Negative Exclusion

Exclusion of companies based on specific ESG criteria. The oldest and most traditional route, and generally based on business involvement or revenue screens.



Positive | Best-in-class

Focus on investing in stocks with superior ESG performance, relative to their regional, industry, and sector peers.



Thematic Investing

Targeted investments focusing on specific problems related to ESG. Generally, require certain amounts of revenue to be derived from specific areas, or carry weightings dependent on certain ESG criteria.



Climate Investing

Carbon emissions are a major driver of global warming. Dedicated climate-related investment strategies are supporting keeping global warming below 1.5°C. Reducing carbon emissions and setting a decarbonization trajectory are at the basis of climate-related investments.

Source: DWS International GmbH

Evolution of ESG in Europe

Strategic grids for Portfolio managers

SRI
High Exclusion Rate
Products

- Distinct ESG Integration and risk reduction
- · Best in Class ESG ratings
- SRI business filters

Art.8 MIFID aligned

SCREENED

Low-Medium Exclusion
Rate Products

- Basic ESG Risk Mitigation with low Active Share
- ESG screens most serious norm violations, controversial activities and ESG ratings

CLIMATE

Alignment with Paris
Objectives: PAB or CTB

- Achieve alignment with Paris Objectives
- Apply EU Paris-aligned Benchmark rules from EU
- Climate Transition / IIGCCC recommendations

Art.9 MIFID aligned-

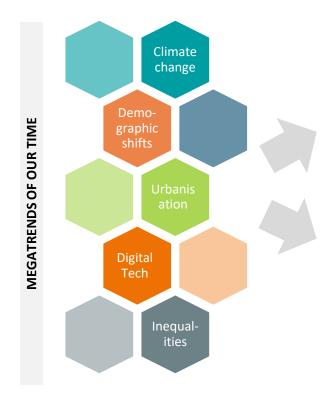


- Have a significant contribution to sustainability through investments in solution providers
- Additional ESG screens to ensure good governance practices
- Do No Significant Harm principle

Source: DWS International GmbH as of March 2023

Capturing the SDGs through a thematic lens

A new angle for focused portfolio construction





SDG Investing

- Investing in companies that align with the United Nations SDGs
- Addressing needs of the present by targeting selected goals
- Focusing on net positive contribution



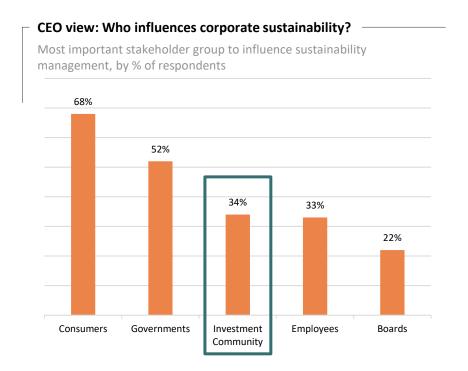
Innovation Investing

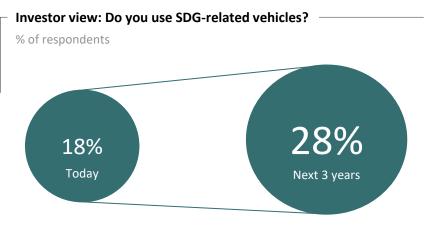
- Investing in companies or projects that are at the forefront of new and emerging technologies or industries
- Forward-looking company selection
- Focusing on purity and relevance

Source: DWS International GmbH, as of April 2023

Market perspectives on SDGs

Rising importance of sustainability for corporates and investors alike







The growing demand for SDG-aligned investments can influence companies in their sustainability behaviour

Source: UN Global Compact, Accenture, as of January 2023, CREATE Research Survey 2022

The UN Sustainable Development Goals

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A globally agreed sustainability framework – the most ambitious global agenda to date

Why is the timing relevant?

- Annual funding gap of \$4 trillion USD
- OECD states that index investing by institutional investors can be one meaningful way to re-direct capital towards firms that are in line with the SDGs
- Data availability, company coverage and assessments of different issues have drastically improved over the last years, allowing us to observe a majority of publicly listed companies through an SDG lens and consider the full value chain from a product perspective as well as with their corporate behavior

17 Sustainable Development Goals

Part of the **2030 Agenda for Sustainable Development** of the United Nations – Adopted by all 193 member states of the UN

SUSTAINABLE GUALS DEVELOPMENT





8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



10 REDUCED INEQUALITIES

√=)





















The time for action is now

Meeting the Paris goals will be a challenge

With less than 11% of public companies aligned with a 1.5°C temperature rise threshold, the global carbon budget to limit global warming to 1.5°C will be exhausted by November 2026

44

Months left to keep warming below 1.5°C

Time remaining until listed companies deplete the emissions budget for keeping global temperature rise below 1.5°C this century

228

Months left to keep warming below 2°C

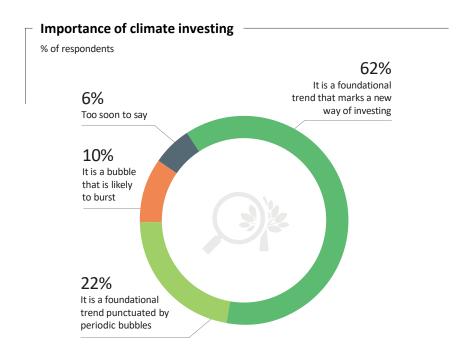
Time remaining until listed companies deplete the emissions budget for keeping global temperature rise below 2°C this century

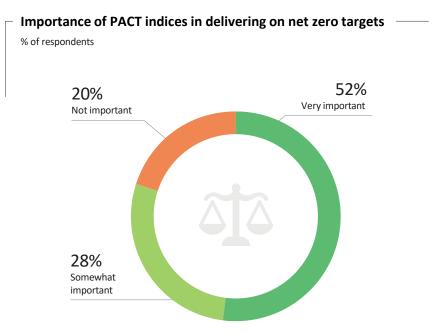
Source: MSCI, based on the emissions trajectory of the MSCI ACWI IMI, as of May 2022. The MSCI Net-Zero Tracker is a quarterly gauge of climate change progress across a global universe of 9,300 public companies based on the MSCI All Country World Investable Market Index (ACWI IMI). Forecasts are based on assumptions, estimates, views and hypothetical models or analyses, which might prove inaccurate or incorrect.



Paris-aligned indices are recognised as a tool...

DWS & Create Research Survey 2022 – "Net Zero: Going beyond the hype"





Source: CREATE-Research Survey 2022

Climate benchmarks

Different types of Climate Benchmarks; one shared objective



- Carbon Reduction 30%
- Decarbonisation
 Trajectory 7%
- Protection against climate related investment risks –

"transition risks"

NetZero 2050 PAB

- Carbon Reduction 50%
- Decarbonisation
 Trajectory 7%
- Being at the forefront of climate transition and aiming to align with the +1.5°C scenario today

NetZero 2050 Budget

- 300GtCO₂ remaining carbon budget for the planet in order to limit global warming
- Means to reduce
 volume of CO₂ by 12%
 per year

NetZero 2050 Action

Exposure to Companies

Leading the Transition
to a Low Carbon

Economy

CREATE-RESEARCH REPORTS ON PASSIVE INVESTING

2022 reports launch into key topics

PASSIVE 2018

ENVIRONMENT 2020



GOVERNANCE 2019

NET ZERO 2022

IMPACT INVESTING 2022













Reshaping the global Investment Landscape

Addressing Climate Change in Investment Portfolios Rise of the Social Pillar of ESG The Rise of Stewardship

Going beyond the Hype

Advancing into Public Markets

As of: August 2022. Source: CREATE-Research, DWS International GmbH



ShareAction is an NGO working globally to define the highest standards for responsible investment and drive change until these standards are adopted worldwide



2020-2023

from #19 to #12

Improved especially in Climate, Biodiversity, Human Rights since 2020 and is the best-rated German asset manager

Source: ShareAction Report "Point of No Returns 2023", as of March 2023

