

# Fidelity Investment Funds

## Fidelity Asia Pacific Opportunities Fund

### Task Force on Climate-Related Financial Disclosure

#### 30 June 2023 Product Level Report

## Introduction

As the world works towards transitioning to a sustainable economic system, Fidelity's longstanding commitment to outcome-based investing continues as we transition the funds and portfolios we manage for the benefit of our key stakeholders: clients, employees, and the broader society in which we operate.

This TCFD product report aligns with the UK regulatory requirements and with Fidelity's overarching approach as documented in the FIL Limited (The Group, or Fidelity) [TCFD Report](#) including the FIL Investment Services (UK) Limited (FISL) specific disclosures. FISL is the Fidelity company responsible for the management of this fund. This report aims to provide you with more information on the emissions generated by the companies, or issuers, held by the fund together with further information about how the fund is operated. For a more complete understanding, this report should be read in conjunction with our Group TCFD Report.

This fund's approach to governance, strategy and risk management does not materially deviate from Fidelity's overarching approach as documented in the Group TCFD report. As such, this fund's approach follows that of the wider organisation and can be reviewed in the entity report, alongside an overview below.

## 1. Climate Metrics

Indicator	Unit	31 December 2022
Scope 1 and 2 greenhouse gas emissions	tCO <sub>2</sub> e	59,715
Scope 3 greenhouse gas emissions	tCO <sub>2</sub> e	513,635
Total carbon emissions	tCO <sub>2</sub> e	573,350
Total carbon footprint	tCO <sub>2</sub> e/invested	337
Weighted average carbon intensity	tCO <sub>2</sub> e/revenue	1,113
Climate Warming scenario: Implied Temperature Rise Range	°C	Between 2.7 and 3.2 degrees

### How the metrics should be interpreted

To carbon footprint any Fidelity fund, or a company or issuer held within a fund, we aim to fully align with the Partnership for Carbon Accounting Financials (PCAF) standard. To achieve this, we are using data from our primary climate data provider, Institutional Shareholder Services (ISS). To calculate the carbon footprint of a fund, we measure the emissions financed by a fund, i.e. a claim on how much of a company's, or issuer's, emitted carbon could be attributed to financing provided by the fund's investment.

We also measure what level of emissions, on average, are generated per a unit of a company's, or issuer's, revenue - this gives a number less sensitive to business performance fluctuations. All of the funds are footprinted daily on Carbon Footprint and Weighted Average Carbon Intensity - scopes 1, 2, and 3. This carbon footprinting approach will use Adjusted Enterprise Value (a measure of a company's total value, adjusted for debt) as the denominator for both equity and fixed income funds.

**The table below is a guide to help understand the terms used:**

Metric	Usage	Description
Scope 1 Greenhouse Gas (GHG) emissions	Measuring direct GHG emissions	Emissions that occur from sources owned or controlled by the reporting issuer (i.e. a company/issuer held by the fund), i.e., emissions from owned or controlled boilers, furnaces, vehicles, etc.
Scope 2 Greenhouse Gas (GHG) emissions	Measuring indirect GHG emissions	Emissions from the company/ issuer's generation of purchased or acquired electricity, steam, heating, or cooling consumed by the reporting company. Scope 2 emissions physically occur at the facility where the electricity, steam, heating, or cooling is generated. Traditionally this is calculated alongside Scope 1 at a fund level, using the proportion of total Scope 2 emissions by amount invested.
Scope 3 Greenhouse Gas (GHG) emissions	Measuring all other indirect GHG emissions (not included in Scope 2)	Emissions (not included in Scope 2) that occur in the value chain of the reporting issuer. Scope 3 can be broken down into upstream emissions and downstream emissions. Upstream emissions include all emissions that occur in the life cycle of a material/product/service up to the point of sale by the producer or service provider, such as from the production or extraction of purchased materials. Downstream emissions include all emissions that occur as a consequence of the distribution, storage, use, and end-of-life treatment of the organisation's products or services.
Total carbon emissions	Measuring a fund's total carbon footprint	Absolute GHG emissions associated with a fund - aggregated company / issuer emissions as a proportion of their total based on the fund's holding. This is usually expressed in metric tonnes of CO <sub>2</sub> e (carbon dioxide equivalent).
Carbon footprint calculations	This is used for a variety of demands, including, client requests, regulatory disclosures, used in portfolio construction, and investment research analysis.	Carbon footprint acts as the main indicator of the portfolio's emissions, portfolio's total carbon emissions as emitted entity - a corporate, a government, or a project. Consequently, it enables reporting, target setting, climate action, and scenario analysis. Carbon footprint, at portfolio level, is expressed in tonnes CO <sub>2</sub> e per US\$ million invested.
Weighted Average Carbon Intensity (WACI)	Measuring a fund's exposure to carbon-intensive companies	This measures a fund's exposure to carbon-intensive companies. An investment's emissions are allocated based on its weight within the fund, i.e. the value of the investment relative to the fund's value (at the time of the calculation). A fund's exposure to carbon-intensive companies is expressed in tonnes CO <sub>2</sub> e per US\$ million in revenues.
Implied Temperature Rise Range	The Implied Temperature Rise metric provides an indication of how companies and investment funds align to global climate targets.	A fund's Implied Temperature Rise measures, in aggregate, a fund's temperature alignment (in °C) to keeping the world's temperature rise to 2°C by 2100. Each company/issuer (invested into by the fund) is assessed for their potential emissions versus a budget allocated by sector and market share. This difference results in an estimated temperature which is then aggregated on a fund level.

**Gaps in the underlying data and how FIL is addressing these**

For climate-related data, Fidelity works with multiple data providers to try and cover as much as the invested universe (of companies and issuers) as possible. Our core provider, Institutional Shareholder Services Inc. (ISS), has one of the widest coverages of emissions data available in the market, but data gaps do exist due to reasons such as: asset class (e.g. currencies) and lack of disclosure (such as for smaller companies) or challenges involving certain types of derivatives. ISS uses a detailed estimation methodology where possible, but some data gaps remain which we work alongside the data providers to try and minimise. Once raw data is provided (e.g. from ISS), there is an element of both automated and manual aggregation and mapping within Fidelity's systems. Fidelity has quality checks and review systems in place to manage the risk associated our data aggregation processes and minimise any potential gaps. Further information is available in Fidelity's Group TCFD report.

For this fund we have determined a sufficient level of data coverage for the fund's investments is available in order to provide the key metrics above.

## 2. Governance

The Board of FIL Investment Services (UK) Limited (FISL) relies on FIL Group structures and committees to set the direction and the agenda to manage and oversee climate related risks and opportunities.

The Sustainable Investing Operating Committee (SIOC) was established by the FIL group to drive our climate agenda through our investment and corporate strategies. More detail relating to this committee can be found in Fidelity's Group TCFD Report.

The investment strategy for this fund is managed within the FIL Group. Therefore, any governance arrangements align with the approach outlined in our Group TCFD report.

## 3. Strategy

Fidelity is developing its suite of products and services to align to its climate goals and commitments. This fund is considered as part of this overall developmental process.

The fund's approach follows that of the wider organisation and can be reviewed in Fidelity's Group TCFD Report.

## 4. Risk Management

The investment strategy for this fund is managed within the FIL Group and therefore risk management for this fund is aligned with FIL's wider approach, which is further explained in Fidelity's Group TCFD Report and is summarised below.

## 5. How climate change is likely to impact this fund

Efforts to address the emissions responsible for climate change and its physical impacts pose potential 'transitional' and 'physical' risks and opportunities for every investment type. Transitional factors may include the introduction of new policies, regulations or technologies, while physical factors might include changes to climate patterns, rising sea levels, or severe weather events.

We have provided commentary below as to how we believe this fund, based on its exposure to investment sectors\* that are likely to have a material climate change impact, might be affected by the following climate scenarios, as devised by the Network for Greening the Financial System (NGFS). It is likely that our views will evolve over time.

'Hothouse world' scenarios assume only currently implemented policies are preserved, current commitments are not met and emissions continue to rise, with high physical risks and severe social and economic disruption and failure to limit temperature rise.

'Disorderly transition' scenarios assume climate policies are delayed or divergent, requiring sharper emissions reductions achieved at a higher cost and with increased physical risks in order to limit temperature rise to below 2 degrees Celsius on pre-industrial averages.

'Orderly transition' scenarios assume climate policies are introduced early and become gradually more stringent, reaching global net zero CO2 emissions around 2050 and likely limiting global warming to below 2 degrees Celsius on pre-industrial averages.

\*Generally we have provided scenario analysis commentary where sector exposure is greater than 10%, however for funds that are very well diversified (by sector) we may provide commentary where exposure is below this level.

### **Industrials: Materials**

The materials sector includes a range of hard to abate activities with inherently high energy requirements (e.g. steel, glass, aluminium and ammonia production) or chemical processes that generate significant greenhouse gases (e.g. cement production). It also includes mining businesses with energy intensive extraction and processing (base and

precious metals). Economic or cost-efficient decarbonisation solutions for many of these activities are yet to be developed or deployed at scale (e.g. use of hydrogen for steel production), however the sector provides critical inputs to facilitate the transition of the broader global economy towards net-zero, or help protect infrastructure and communities against physical risks from climate change and therefore demand will likely remain robust. Consequently, companies will face a range of risks and opportunities under different climate scenarios.

Under a 'hothouse world' scenario, increased severity and frequency of extreme weather events will drive demand for adaptation to these events. Typically, adaptation initiatives require new or enhanced physical infrastructure (e.g. a sea wall to prevent storm surge, or building upgrades to withstand storms and heatwaves). These projects would increase demand for building materials including base minerals, steel and cement. Production and processing assets will be at increased risk from adverse weather conditions such as flooding, and heatwaves. Disruption to global supply chains and potential GDP shocks will present a risk to industry participants. Policy risk will be more muted with a slower transition towards adoption of energy efficiency, and greenhouse gas mitigation initiatives.

Under a 'disorderly transition' costly solutions, rapid scaling of technology, Carbon Capture Use, and, Utilisation or Storage (CCUS) could play a larger role if technology solutions have not been developed or scaled. Divergent policies in different geographies could materially impact competitiveness of carbon intensive activities based in different countries.

Policy and transition risks associated with a 'disorderly transition' have the potential to be extremely disruptive for industry participants. Given cost-effective low or zero carbon alternatives for many activities in the sector are not currently available, a rapid requirement to decarbonise could result in the need to adopt CCUS or other higher cost solutions and place pressure on returns on capital if higher costs are unable to be passed onto customers. Companies with high levels of energy efficiency, or with predominantly domestic customers and competitors may be better placed to navigate these risks.

Under an 'orderly transition', policy driven sector decarbonisation will remain the key risk for the sector. However, a higher level of policy certainty and consistency globally could facilitate earlier investment in developing, testing and scaling low or zero carbon solutions which could mitigate the economic impact. Material capital expenditure will be required to decarbonise, which will need to take into consideration significant capacity expansion to meet growing global demand for inputs into the global energy transition and continuing economic development of the global south.

### **Semiconductors & Semiconductor Equipment**

For companies within this sector, climate risk is highly focused on supply chains and production processes. The scope 2 emissions of purchased electricity is particularly high in markets where the local electricity grid is highly concentrated in fossil fuels. Physical risks will primarily affect supply chains, whereas transition risks are more focused on climate risks associated with production and manufacturing processes. Semiconductor fabrication requires a high volume of pure water, as a result increasing water scarcity as the climate changes could present a material operational risk to some sector participants.

Under a 'hothouse world' scenario, physical risks are more prevalent than transitional. This is due to a lack of policy and regulation (i.e. low transition risk) resulting in more likely severe weather events which can affect supply chains' ability to function at previous levels. The impacted supply chain will cause a need to diversify suppliers and potentially increase costs that may need to be passed onto the manufacturing side. Access to high quality water resources will be critical for some sector participants under this scenario.

Under a 'disorderly transition' scenario, the balance between physical and transition risks move closer together. That being said, there remains significant physical risks of severe weather that will affect supply chains in a similar way to 'hothouse', with slightly reduced severity. Similarly, the risks associated with water usage will be less severe, albeit existent. Certain policy requirements will also need to be considered, potentially increasing carbon prices and associated costs.

Under an ‘orderly transition’ scenario, transition risk becomes the primary consideration for companies within this sector. Physical risks will continue to exist, but the expectation is that significant policy and regulatory requirements will reduce the likelihood of extreme weather events. The carbon price will rise in this scenario and whilst companies can attempt to increase efficiency, this would require significant capital expenditure.

### **Industrials: Capital Goods**

Sector participants typically have carbon emission intensive production processes and may be situated in complex and global supply chains. As a result, participants are exposed to policy risk targeting sector decarbonisation which may include a price on carbon, or mandated minimum efficiency standards. This could result in; increased input costs (paying for green energy sources), capital expenditure to enhance efficiency, adoption of lower carbon solutions, or implementing Carbon Capture, Utilisation or Storage. Physical risks could drive lower revenue, or higher costs from supply chain disruption (with scarcity increasing input costs or limiting access, or delayed supply of critical components reducing or postponing sales), or damage to infrastructure impacting production volumes or market access. Companies with higher energy and material efficiency, or circular economy solutions could help mitigate some of these risks.

Under a ‘hothouse world’ scenario the frequency and magnitude of physical risks will be significantly increased. Supply chain disruptions will be more frequent requiring diversification of both input sourcing and potentially end markets to enhance resilience. This will likely require higher levels of working capital as companies shift from ‘just in time’, to ‘just in case’ production; potentially leading to lower asset turnover and lower returns on capital. Material efficiency, and circular economy practices could help mitigate some, but not all of these risks. The company’s own assets may also need capital investment to be upgraded against extreme weather conditions. Policy risk will be more muted with less pressure on decarbonisation of industrial processes.

Under a ‘disorderly transition’, physical risks from climate change will increase from historical levels and likely reduce the resilience of existing supply chains. A step change in policies to achieve rapid decarbonisation of the sector may result in higher energy costs or a price on carbon emissions, could change production costs for industry participants - companies with higher energy and production efficiency would likely be better placed than inefficient peers under this scenario. Rapid decarbonisation may also require significant capital expenditure to adopt solutions such as Carbon Capture Use, and Storage (CCUS).

Under an ‘orderly transition’ the issues outlined above will be less acute. Industry participants will face a higher level of policy certainty and longer lead times to adopt energy and input efficiency initiatives. A rising carbon price could potentially provide an advantage to companies with efficient processes or based in geographies with lower carbon intensity of the energy grid.

At the point of data extraction (31 December 2022), this fund was determined to have a high, or concentrated, exposure - over 50% of the fund’s net asset value (NAV), to carbon intensive (high emitting) investment sectors. See table below for a breakdown of this exposure.

<b>Contributing Sectors</b>	<b>% at 31 December 2022</b>
Energy	2.87
Materials	21.32
Utilities	0.00
Capital Goods	6.69
Automobiles & Components	0.00
Semiconductors & Semiconductor Equipment	20.84

We do not currently have available fund level quantitative information that would depict any future potential impact under certain climate change scenarios. We're continuing to develop our approach to assessing potential climate related impact at fund and strategy level.

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