

Climate Impact Assessment

OVERVIEW

DATE OF HOLDINGS COVERAGE 31 DEC 2023 100%

AMOUNT INVESTED BENCHMARK USED

100,000,000 USD MSCI Emerging Market Small Cap Index

PORTFOLIO TYPE

EOUITY

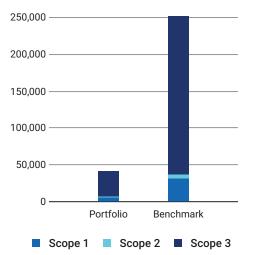
Carbon Metrics 1 of 3

Portfolio Overview

	osure r/Weight	Emission Ex tCO₂e		Relative E tCO₂e/Invested		xposure /Revenue	Climate Performance Weighted Avg
Share of	Disclosing Holdings	Scope 1 & 2	Incl. Scope 3	Relative Carbon Footprint	Carbon Intensity	Weighted Avg Carbon Intensity	Carbon Risk Rating ¹
Portfolio	66.7% / 65.8%	6,864	41,134	68.64	128.38	167.93	45
Benchmark	65.2% / 69.7%	37,085	251,507	370.85	350.68	448.00	46
Net Performance	1.5 p.p. /-3.9 p.p.	81.5%	83.6%	81.5%	63.4%	62.5%	_

Emission Exposure Analysis

Emissions Exposure (tCO₂e)



Sector Contributions to Emissions²



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 $^{^{\}rm 1}$ Note: Carbon Risk Rating data is current as of the date of report generation.

 $^{^2\,\}mathrm{Emissions}$ contributions for all other portfolio sectors is less than 1% for each sector.

Emission Exposure Analysis (continued)

Top 10 Contributors to Portfo	olio Emissions			
Issuer Name	Contribution to Portfolio Emission Exposure (%)	Portfolio Weight (%)	Emissions Reporting Quality	Carbon Risk Rating
GCC SAB de CV	40.30%	2.83%	Strong	-
JSL SA	16.47%	3.37%	Moderate	Medium Performer
VA Tech Wabag Limited	7.62%	2.45%	Non-Reporting	-
Copa Holdings, S.A.	6.24%	0.69%	Inconsistent	Medium Performer
Powertech Technology, Inc.	2.82%	1.70%	Moderate	Outperformer
Grupa Kety SA	2.55%	1.63%	Moderate	-
PT Mitra Adiperkasa Tbk	2.44%	2.33%	Non-Reporting	-
Capstone Copper Corp.	1.98%	0.68%	Moderate	Medium Performer
Mo-BRUK SA	1.97%	1.17%	Inconsistent	Laggard
Coca-Cola Icecek AS	1.72%	1.14%	Strong	Outperformer
Total for Top 10	84.13%	17.99%		

Carbon Metrics 2 of 3

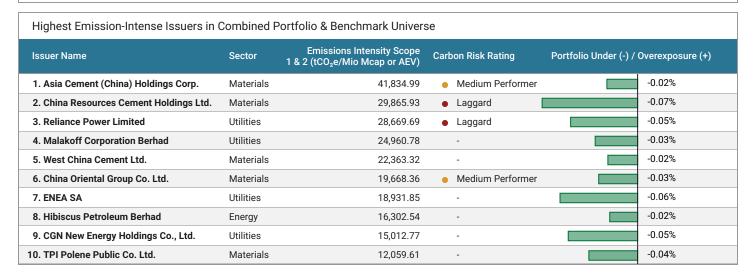
Emission Attribution Analysis

Emission Attribution Analysis examines the extent to which higher or lower GHG exposure between the portfolio and the benchmark can be attributed to sector allocation versus issuer selection. A portfolio with a larger amount of assets allocated to an emissions-intense sector will ultimately have higher GHG emissions exposure. However, this can be offset by the selection of less emissions-intense issuers from that sector. This analysis relates to the carbon footprint of the portfolio, specifically the Emissions Scope 1 & 2 (tCO₂e) and Relative Carbon Footprint (tCO₂e/Mio Invested) metrics.

The subsequent table identifies the most emissions-intense issuers in the analysis, the comparative weight for each issuer between the portfolio and benchmark, as well as the sector allocation and issuer selection effects. A positive (green) number represents less greenhouse gas exposure for the issuer in the portfolio relative to the benchmark.

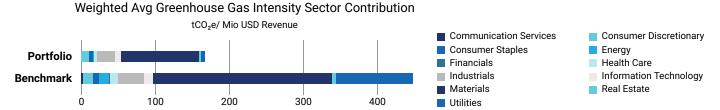
Top Sectors to Emission Attr							
Sector	Portfolio Weight	Benchmark Weight	Difference	Sector All	ocation Effect	Issuer Selection Ef	fect
Communication Services	1.29%	4.1%	-2.81%	0.31%	1	0.14%	
Consumer Discretionary	16.91%	11.67%	5.24%		-1.26%	2.96%	
Consumer Staples	8.92%	7.02%	1.9%		-0.8%	2.88%	
Energy	1.05%	2.03%	-0.98%	2.43%	1	2.32%	
Financials	12.03%	11.36%	0.67%		-0.01%	0.11%	
Health Care	10.84%	9%	1.84%		-0.18%	0.88%	
Industrials	13.34%	17.36%	-4.03%	1.76%	I	1.06%	
Information Technology	18.02%	13.64%	4.37%		-0.68%	1.91%	
Materials	10.02%	13.37%	-3.35%	12.7%		29.14%	
Real Estate	5.15%	6.14%	-1%	0.12%	1	0.59%	
Utilities	2.45%	4.3%	-1.86%	11.45%		13.66%	
Cumulative Higher (-) and Lower (-	+) Emission Exposure	vs. Benchmark		25.83%		55.67%	
Higher (-) / Lower (+) Net Emission	n Exposure vs. Benchn	nark			•	81%	

Emission Attribution Analysis (continued)



Carbon Metrics 3 of 3

Greenhouse Gas Emission Intensity



Top 10 Emission Intense Companies (tCO₂e Scope 1 & 2/Revenue Millions)				
Issuer Name	Emission Intensity	Peer Group Avg Intensity		
1. GCC SAB de CV	3,278.27	5,657.21		
2. Copa Holdings, S.A.	946.24	956.75		
3. Mo-BRUK SA	684.84	578.76		
4. Capstone Copper Corp.	518.11	421.11		
5. VA Tech Wabag Limited	269.26	368.12		
6. Hansol Chemical Co., Ltd.	246.81	430.07		
7. JSL SA	210.10	127.57		
8. The Supreme Industries Limited	168.34	430.07		
9. TravelSky Technology Ltd.	152.68	8.69		
10. Grupa Kety SA	147.24	952.93		

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Climate Scenario Alignment 1 of 2

Alignment Analysis

The scenario alignment analysis compares current and future portfolio greenhouse gas emissions with the carbon budgets for the IEA Sustainable Development Scenario (SDS), Announced Pledges Scenario (APS), and Stated Policies Scenario (STEPS). Performance is shown as the percentage of assigned budget used by the portfolio and benchmark.

The Global Alpha Emerging Markets Small Cap Fund strategy in its current state is ALIGNED with a SDS scenario by 2050. The Global Alpha Emerging Markets Small Cap Fund has a potential temperature increase of 1.5°C, whereas the MSCI Emerging Market Small Cap Index has a potential temperature increase of 2.9°C.

Portfolio and Benchmark Comparison to SDS Budget (Red = Overshoot)

2023 2030 2040 2050

Portfolio -80.82% -80.14% -65.75% -29.74%

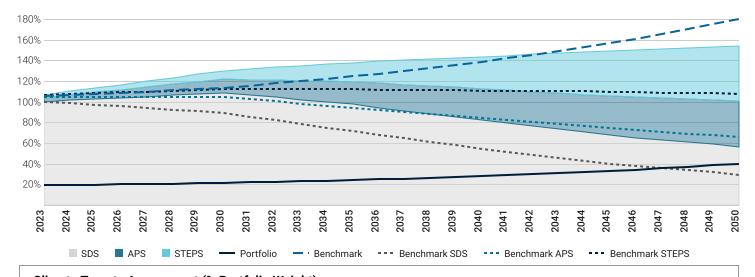
Benchmark +5.87% +27.99% +156.39% +509.52%

2050

The strategy in its current state is aligned with a SDS scenario for the full analyzed period (until 2050).

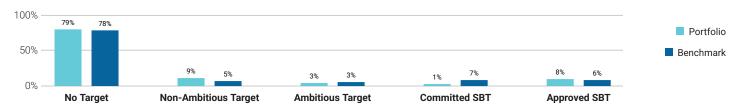
The portfolio is associated with a potential temperature increase of 1.5°C by 2050.

Portfolio Emission Pathway vs. Climate Scenarios Budgets



Climate Targets Assessment (% Portfolio Weight)

In order to transition, holdings need to commit to alignment with international climate goals and demonstrate future progress. Currently 12% of the portfolio's value is committed to such a goal. This includes ambitious targets set by the companies as well as committed and approved Science Based Targets (SBT). While commitments are not a guarantee to reach a goal, the 79% of the portfolio without a goal is unlikely to transition and should receive special attention from a climate risk conscious investor.



1.1% 0%

Computer

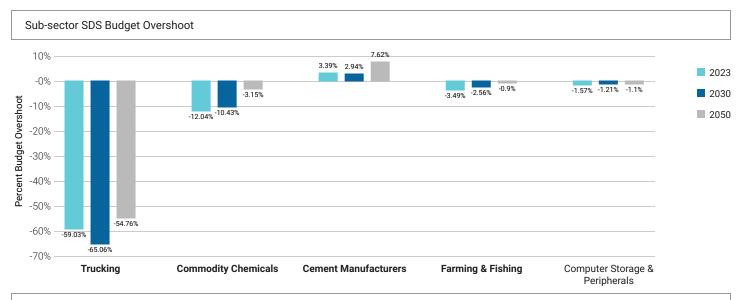
Storage &

Peripherals

Global Alpha Emerging Markets Small Cap Fund

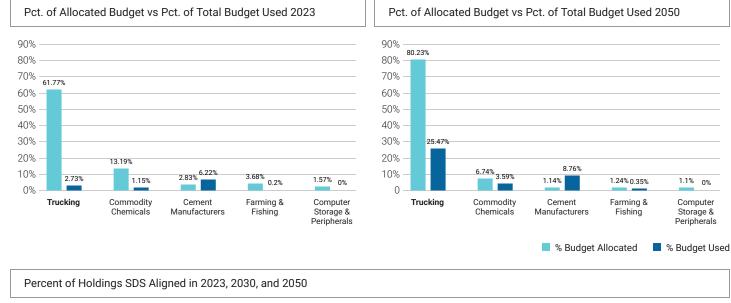
Climate Scenario Alignment 2 of 2

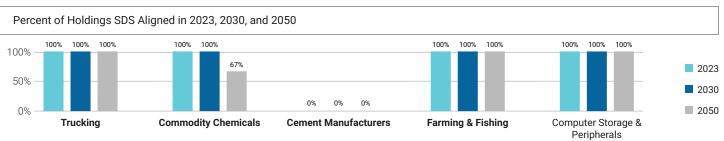
The table below shows the percent of the SDS budget used in 2023, 2030, and 2050 for key sub-sectors of the portfolio.



Percent of Allocated Budget vs. Percent of Total Budget Used

The budget allocated to the portfolio is dependent on the portfolio holdings. The graphs below compare the percent of the portfolio's SDS budget allocated to a defined sub-sector compared to the percent of the portfolio's budget used within the same sub-sector for the years 2023 and 2050.

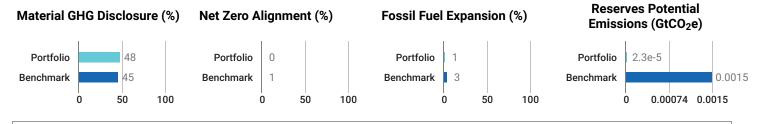




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■ Net Zero Analysis 1 of 2

This report evaluates the portfolio's readiness to transition to a Net Zero by 2050 pathway through the of data disclosure and target-setting; emissions trajectory and Net Zero alignment; and exposure to fossil fossil fuels.



Emissions Overview

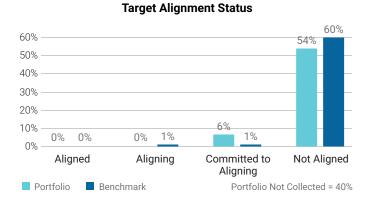
The International Energy Agency's Net Zero Emission by 2050 (NZE2050) scenario provides a framework for analyzing current and future alignment with NZ emissions objectives. Using current-year and forecasted emissions metrics for relative carbon footprint, weighted average carbon intensity, and absolute emissions, the tables below estimate the needed minimum change in emissions performance to achieve NZ trajectory alignment.

	Relative Carbon Footprint Scope 1			cope 1	Relative Carbon Footprint Scope 2				Relative Carbon Footprint Scope 3			
	2023	2025	2030	2050	2023	2025	2030	2050	2023	2025	2030	2050
Portfolio	52.1	57.27	67.3	131.35	16.54	17.57	20.1	39.79	342.7	355.5	392.61	729.51
NZE Trajectory	-	43.38	32.49	0	-	13.77	10.31	0	-	285.37	213.7	0
Benchmark	308.93	328.14	385.67	795.15	61.92	66.05	78.1	168.73	2.14 k	2.31 k	2.68 k	5.34 k

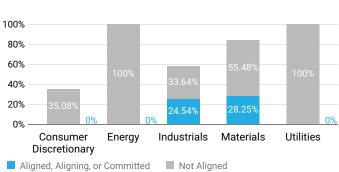
	Weighted Average Carbon Intensity (Scope 1, 2 & 3)				Absolute Emissions (Scope 1, 2 & 3)			
	2023	2025	2030	2050	2023	2025	2030	2050
Portfolio	871.64	912.92	1.02 k	1.9 k	41.13 k	43.03 k	48 k	90.06 k
NZE Trajectory	-	725.81	543.52	0	-	34.25 k	25.65 k	0
Benchmark	2.72 k	2.93 k	3.43 k	6.98 k	251.51 k	270.53 k	314.63 k	630.09 k

Climate Net Zero Targets

Net Zero targets provide an important indicator of climate awareness and action. Given the current state of disclosure, government policy, and technology, it is impossible to define any entity as "Aligned". An issuer is "Committed to Aligning" if it has set a NZ target for 2050 and "Aligning" if it has a decarbonization strategy and, additionally, set an interim target. An issuer with no targets is considered "Not Aligned".



Alignment per High Impact Sector

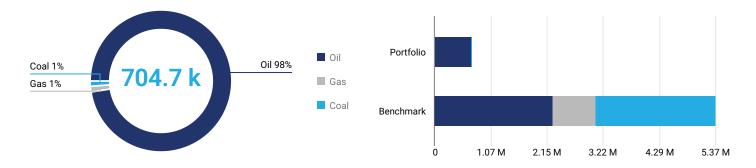


■ Net Zero Analysis 2 of 2

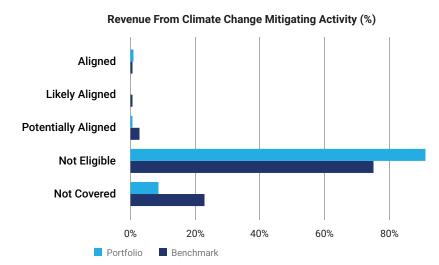
When assessing overall alignment with Net Zero it is vital to determine if the product portfolio of held companies is compatible with the objective of transitioning to a net zero system by 2050. The IEA's NZE2050 scenario states that all expansion of fossil fuel assets after 2021 is incompatible with a net zero future. The graphs below show the revenue linked to fossil fuels and those linked to climate change mitigating activities.

Revenue From Fossil Fuels

The portfolio has 704.7 k USD revenue linked to fossil fuels, which account for 1% of total portfolio revenue. Of the revenue from fossil fuels, 98% is attributed to oil, 1% to gas, and 1% to coal. The portfolio's revenue exposure exceeds the benchmark by a net difference of -87%.



Revenue Eligible for Climate Change Mitigating Activities



The EU Taxonomy defines climate change mitigating activities as those which are directly linked to the avoidance, reduction, or removal of GHGs from the atmosphere. EU Taxonomy "Aligned" revenues are derived from directly reported data, and have passed the substantial contribution, do no significant harm and minimum social safeguards assessments. "Likely Aligned" revenues has the same criteria, however the data is derived from the ISS ESG proxy / modelled assessment. Potentially aligned revenues are again derived from the ISS ESG proxy / modelled assessment, and have only passed the substantial contribution assessment.

Revenues from economic activities outside of climate change mitigation are considered "Not Eligible". Where there is a lack of data to make an assessment, revenues are categorized as "Not Covered".

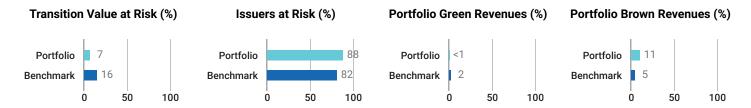
Bottom Five Issuers by Net Zero Target Alignment and Weight

Issuer Name	Portfolio Weight	GICS Sector	Mitigation Revenue	Net Zero Alignment	Fossil Fuel Expansion
Prestige Estates Projects Limited	2.71%	Real Estate	100%	Not aligned	No
Dentium Co., Ltd.	2.64%	Health Care	0%	Not aligned	No
CreditAccess Grameen Limited	2.5%	Financials	0%	Not aligned	No
VA Tech Wabag Limited	2.45%	Utilities	52.61%	Not aligned	No
PT Mitra Adiperkasa Tbk	2.33%	Consumer Discretionary	0%	Not aligned	No

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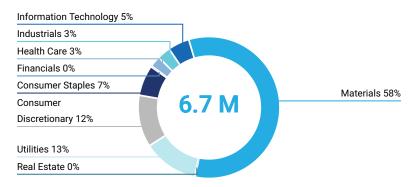
■ Transition Climate Risk Analysis 1 of 4

Transition opportunities and risks, including carbon pricing, impact investees and portfolio valuations. This analysis estimates a Transition Value at Risk (TVaR) based on the IEA's Net Zero Emissions by 2050 (NZE2050) scenario.



Portfolio Transition Value at Risk by Sector Based on NZE2050

Portfolio Value at Risk by Sector



The total estimated Transition Value at Risk for the portfolio is 6.7 M USD based on the NZE2050 scenario. The chart on the left shows the sector-level contribution to the total potential financial impact of transition risks and opportunities on the portfolio. The Value at Risk presented is a net number between the positive and negative potential share price performance in the portfolio. A negative TVaR means positive share price movement.

The Transition (and Physical) VaR is an equity-based analysis, and its output should not be interpreted as the potential change in price of a bond. Nevertheless, the VaR remains a useful metric for fixed income as it is a holistic indicator of the issuer's exposure to Physical or Transition Risks, even if not directly material to the bond price itself.

worst Five Performers by	Transition	value at RISK Based on NZE2050

Issuer Name	Portfolio Weight	GICS Sector	Transition VaR (%)	Sector WAvg TVaR (%)
GCC SAB de CV	2.83%	Materials	100%	43.05%
Capstone Copper Corp.	0.68%	Materials	35.78%	43.05%
VA Tech Wabag Limited	2.45%	Utilities	34.81%	30.71%
Grupa Kety SA	1.63%	Materials	23.26%	43.05%
Zhou Hei Ya International Holdings Company Limited	0.53%	Consumer Staples	19.06%	7.79%

Top Five Issuers with the Highest Proportion of Green Revenues

Issuer Name	Portfolio Weight	GICS Sector	Green Revenues (%)	Sector WAvg Green Revenue (%)
Chroma Ate, Inc.	2.67%	Information Technology	5.75%	8.89%
InPost SA	1.92%	Industrials	3%	6.05%
JSL SA	3.37%	Industrials	1%	6.05%
GCC SAB de CV	2.83%	Materials	0%	0.79%
Prestige Estates Projects Limited	2.71%	Real Estate	0%	0.1%

■ Transition Climate Risk Analysis 2 of 4

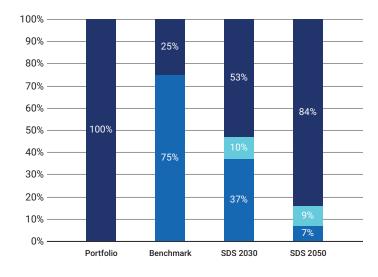
A decarbonized world needs to address both the demand side (for example Utilities burning fossil fuels) and the supply side (i.e. fossil reserves) of future emissions. For Utilities, it matters whether the power generated and power generation planned for the future stem from renewable (green) or fossil (brown) sources. For fossil reserve owning companies, potential future greenhouse gas emissions might indicate stranded asset risk. The Carbon Risk Rating (1-100) provides a view on how well the respective portfolio and benchmark holdings are managing such risks.

Transition Analysis Overview

	Power Generation	on	Rese	rves	Climate Performance
	% Generation Output Green Share	% Generation Output Brown Share	% Investment Exposed to Fossil Fuels	Total Potential Future Emissions (ktCO ₂)	Weighted Avg Carbon Risk Rating
Portfolio	100%	-	3.88%	22.9	45
Benchmark	25.3%	74.7%	2.91%	1,471.87	46

Power Generation

Power Generation Exposure (Portfolio vs. Benchmark vs. Climate Target)



For a decarbonized future economy, it is key to transition the energy generation mix from fossil to renewable sources. Utilities relying on fossil power production without a substitute plan might run a higher risk of getting hit by climate change regulatory measures as well as reputational damages. The graph on the left compares the energy generation mix of the portfolio with the benchmark and a Sustainable Development Scenario (SDS) compatible mix in 2030 and 2050, according to the International Energy Agency. Below, the 5 largest Utility holdings can be compared on fossil versus renewable energy production capacity, their contribution to the overall portfolio greenhouse gas emission exposure and their production efficiency for 1 GWH of electricity.

Fossil Fuels	Nuclear	Renewables
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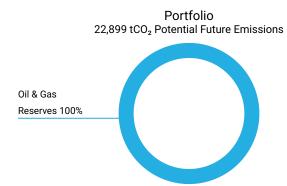
Top 5 Utilities' Fossil vs. Renewable Ene	rgy Mix	
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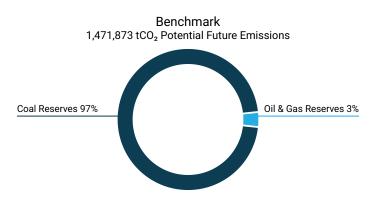
Issuer Name	% Fossil Fuel Capacity	% Renewable Energy Capacity	% Contribution to Portfolio Emissions	Emissions tCO₂e Scope 1 & 2 /GWh
VA Tech Wabag Limited	0%	0%	7.62%	-

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■ Transition Climate Risk Analysis 3 of 4

For fossil reserve owning companies, potential future greenhouse gas emissions might indicate stranded asset risk, as about 80% of those reserves need to stay in the ground to not exceed 2 degrees Celsius of warming. The portfolio contains $22,899 \, \text{tCO}_2$ of potential future emissions, of which 0% stem from Coal reserves, 100% from Oil and Gas reserves. Investor focus is often on the 100 largest Oil & Gas and 100 largest Coal reserve owning companies, to understand the exposure to these top 100 lists.





Exposure to the 100 Largest Oil & Gas and Coal Reserve Owning Assets							
Issuer Name	Contribution to Portfolio Potential Future Emissions	Oil & Gas Top 100 Rank	Coal Top 100 Rank				
Parex Resources Inc.	100%	-	-				

Unconventional and controversial energy extraction such as "Fracking" and Arctic Drilling is a key focus for investors, both from a transition and a reputation risk perspective.

Exposure to Controversial Business Practices								
Issuer Name Portfolio Weight Arctic Drilling Hydraulic Fracturing Oil Sands Shale Oil and/or Gas								
No Applicable Data								

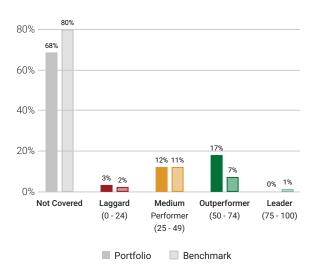
■ Transition Climate Risk Analysis 4 of 4

Portfolio Carbon Risk Rating

Climate Laggard (0 - 24)

The Carbon Risk Rating (CRR) assesses how an issuer is exposed to climate risks and opportunities, and whether these are managed in a way to seize opportunities, and to avoid or mitigate risks. It provides investors with critical insights into how issuers are prepared for a transition to a low carbon economy and is a central instrument for the forward-looking analysis of carbon-related risks at portfolio and issuer level.

CRR Distribution Portfolio vs. Benchmark



Avg Portfolio CRR and Spread for Selected ISS ESG Rating Industries

ISS ESG Rating Industry ¹	A	verage Carbon Risk	Rating
Financials/Commercial Banks & Capital Markets		•	ţ
Food & Beverages		•	Ę
Machinery		•	4
Transport & Logistics		•	3
Oil, Gas & Consumable Fuels	•		1
Renewable Energy (Operation) & Energy Efficiency Equipment			
Utilities/Electric Utilities			
Electronic Components			
Transportation Infrastructure			
Oil & Gas Equipment/Services			
	0	50	100

Climate Leader (75 - 100)

Top 5 ²	Country	ISS ESG Rating Industry	CRR	Portfolio Weight (consol.)
Carlsberg Brewery Malaysia Berhad	Malaysia	Beverages	66	0.63%
■ OdontoPrev SA	Brazil	Managed Health Care	62	0.96%
Mahindra & Mahindra Financial Services Ltd.	India	Commercial Banks & Capital Markets	60	0.55%
■ BGF Retail Co., Ltd.	South Korea	Retail	59	1.15%
Powertech Technology, Inc.	Taiwan	Semiconductors	58	1.7%

Bottom 5 ²	Country	ISS ESG Rating Industry	CRR	Portfolio Weight (consol.)
■ The Phoenix Mills Limited	India	Real Estate	28	2.43%
Capstone Copper Corp.	Canada	Mining & Integrated Production	27	0.68%
Copa Holdings, S.A.	Panama	Airlines	25	0.69%
■ Mo-BRUK SA	Poland	Water and Waste Utilities	23	1.17%
Parex Resources Inc.	Canada	Oil & Gas Exploration & Production	19	1.05%

¹ The proprietary ISS ESG Rating industry Classification is intended to group companies from an ESG perspective and might differ from other classification systems.

Climate Medium Performer (25 - 49) Climate Outperformer (50 - 74)

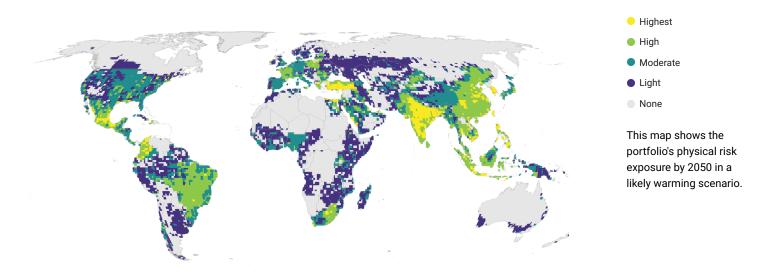
² Multiple issuers may have the same CRR value. In the event the Top 5 and Bottom 5 tables have more than one issuer in the last position due to a tie in CRR values, the weight of the issuers in the portfolio will determine the issuer assigned to the table.

■ Physical Climate Risk Analysis 1 of 4

Even if limited to 2° Celsius, rising temperatures will change the climate system, including physical risks such as floods, droughts, or storms. This analysis evaluates the most financially impactful climate hazards and how they might affect the portfolio value.

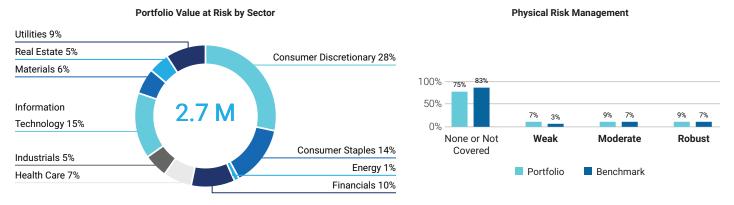


Physical Risk Exposure per Geography



Portfolio Value at Risk and Physical Risk Management

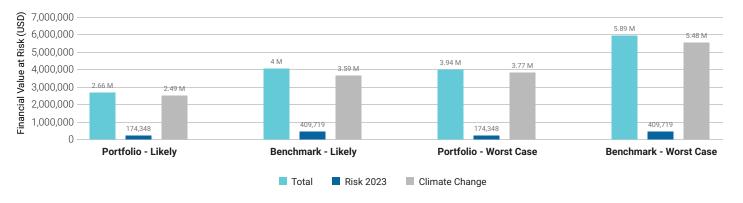
Physical climate risk may affect the value of a company and a portfolio. The chart on the left quantifies the potential financial implications on a sector level. Such financial implications from physical effects of climate change can be addressed by adopting appropriate strategies. The chart on the right provides an overview of the robustness of risk management strategies for the portfolio holdings.



Physical Climate Risk Analysis 2 of 4

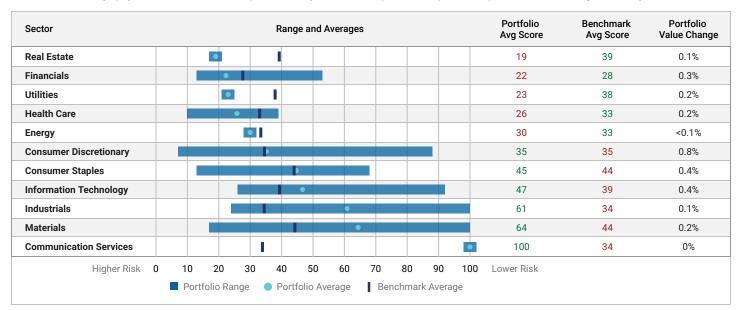
Change in Portfolio and Benchmark Value due to Physical Risk by 2050

Physical risk can impact future portfolio value. The chart below highlights potential impact on the portfolio value in 2050 based on current risk levels (Risk 2023), and hazards due to climate change (Climate Change), along with total anticipated net change in value. The analysis compares the portfolio to the benchmark using both the likely and worst case scenarios.



Physical Risk Assessment per Sector

For key sectors, this chart provides the portfolio's overall physical risk score distribution as well as the average score. This is contrasted with the benchmark's average physical risk score and complemented by the sector impact on the portfolio's potential value change in a likely scenario.

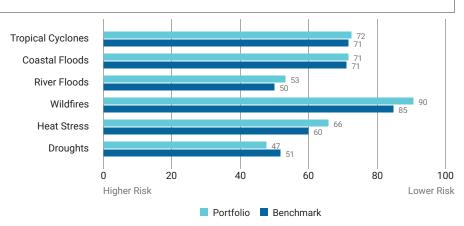


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■ Physical Climate Risk Analysis 3 of 4

Physical Risk Score per Hazard

The portfolio is exposed to different natural hazards in different geographies which can affect the value of the portfolio and the benchmark. The chart on the right evaluates the change in financial risk due to six of the most costly hazards for a likely scenario. A low score indicated a large increase in physical risks, while a high score reflects a minimal increase in physical risks.



Top 5 Portfolio Holdings — Physical Risk and Management Scores

With physical risks of climate change unfolding, it is key to understand if and how portfolio holdings are addressing such risks. The Physical Risk Management Score gives an indication for the robustness of the measures in place. The table shows the largest portfolio holdings with their Physical Risk and Risk Management scores. A higher Physical Risk Score reflects a lower risk and a higher Management Score indicates a better management strategy.

Issuer Name	Portfolio Weight	Sector	Overall Physical Risk Score	Risk Mgmt Score
JSL SA	3.37%	Industrials	-	Not Covered
GCC SAB de CV	2.83%	Materials	77	Robust
Prestige Estates Projects Limited	2.71%	Real Estate	19	Not Covered
Chroma Ate, Inc.	2.67%	Information Technology	39	Not Covered
Dentium Co., Ltd.	2.64%	Health Care	39	Not Covered

■ Physical Climate Risk Analysis 4 of 4

Top 10 Portfolio Holdings by Highest Overall Risk Exposure with Hazard Scores (Likely Scenario)

The Physical Risk Score of each holding is impacted by the projected change in exposure to individual hazards. The table below shows the portfolio holdings that will see the most increase in risk and the potential hazards contributing to this risk in a likely scenario. A low score reflects a large projected increase in Physical Risks, while a high score reflects a minimal increase in Physical Risks.

Issuer Name	Overall Physical Risk	Tropical Cyclones	Coastal Floods	River Floods	Wildfires	Heat Stress	Droughts	Risk Mgmt Score
Wilcon Depot, Inc.	7	44	30	43	100	39	100	Not Covered
PT Prodia Widyahusada Tbk	10	100	65	53	100	40	28	Not Covered
V.I.P. Industries Ltd.	12	100	78	66	100	93	23	Not Covered
CreditAccess Grameen Limited	13	100	100	36	100	100	34	Robust
City Union Bank Limited	13	100	100	28	43	100	34	Not Covered
Home First Finance Company India Ltd.	13	100	100	36	100	100	34	Not Covered
PT Industri Jamu dan Farmasi Sido Muncul Tbk	13	100	58	51	100	53	38	Not Covered
Mahindra & Mahindra Financial Services Ltd.	13	100	100	33	50	100	34	Robust
PT Mitra Adiperkasa Tbk	17	59	55	50	100	40	36	Not Covered
The Supreme Industries Limited	17	100	100	38	44	45	22	Not Covered

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Global Alpha Emerging Markets Small Cap Fund

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