



DORVAL  
ASSET MANAGEMENT  
PRINCIPES DE LA VIE DURABLE



# DORVAL EUROPEAN CLIMATE INITIATIVE CLIMATE IMPACT ASSESSMENT

Date de validation du présent document : 30/12/2022

# Disclaimer

Les données relatives à l'intensité carbone (tCO<sub>2</sub>e/M\$ de chiffre d'affaires) dans la suite du document (« Emission Exposure tCO<sub>2</sub>e ») pour les scopes 1 et 2 ne tiennent pas compte du scope 3.

Les émissions de scope 1 concernent les émissions émises directement par l'entreprise dans le cadre de son activité.

Les émissions de scope 2 concernent les émissions émises indirectement par l'entreprise via sa consommation en énergie.

Les émissions de scope 3 concernent les émissions émises indirectement lors des différentes étapes du cycle de vie du produit (approvisionnement, transport, utilisation, fin de vie, etc.).

Les données présentées dans le paragraphe sur l'alignement climatique (« Climate scenario alignement ») sont issues d'une modélisation qui peut faire appel à des estimations. Le scope 3 n'est pas pris en compte par ISS dans le calcul de cet indicateur.

## DORVAL EUROPEAN CLIMATE INITIATIVE

### Climate Impact Assessment

#### OVERVIEW

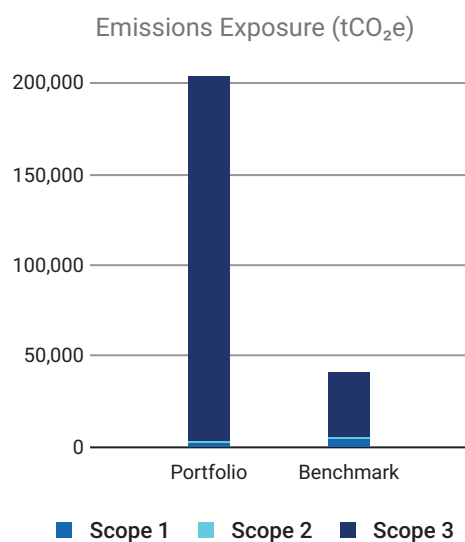
DATE OF HOLDINGS	COVERAGE
31 DEC 2022	99.54%
AMOUNT INVESTED	BENCHMARK USED
46,546,726 EUR	EURO STOXX TOTAL MARKET PARIS ALIGNED DNR
PORTFOLIO TYPE	
EQUITY	

#### Carbon Metrics 1 of 3

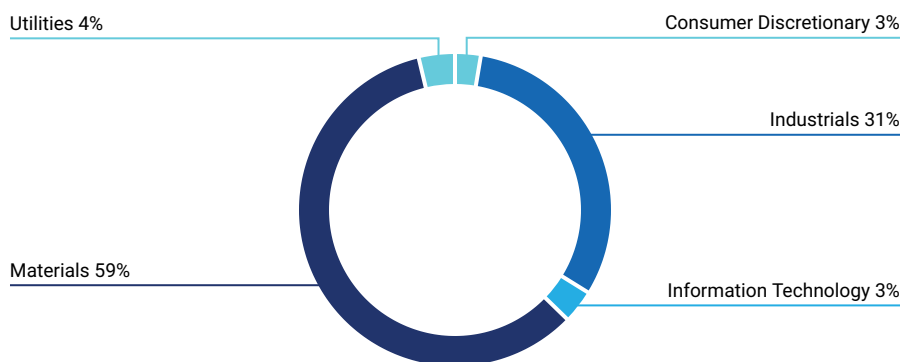
##### Portfolio Overview

Disclosure Number/Weight		Emission Exposure tCO <sub>2</sub> e		Relative Emission Exposure tCO <sub>2</sub> e/Invested      tCO <sub>2</sub> e/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 <sup>1</sup>
Portfolio	95.7% / 96.8%	2,659	203,646	57.12	50.56	68.51	69
Benchmark	89.6% / 98.6%	5,248	40,099	112.76	139.66	178.48	68
Net Performance	6.1 p.p. /-1.7 p.p.	49.3%	-407.9%	49.3%	63.8%	61.6%	—

##### Emission Exposure Analysis



##### Sector Contributions to Emissions<sup>2</sup>



<sup>1</sup> Note: Carbon Risk Rating data is current as of the date of report generation.

<sup>2</sup> Emissions contributions for all other portfolio sectors is less than 1% for each sector.

## DORVAL EUROPEAN CLIMATE INITIATIVE

## Emission Exposure Analysis (continued)

## Top 10 Contributors to Portfolio Emissions

Issuer Name	Contribution to Portfolio Emission Exposure (%)	Portfolio Weight (%)	Emissions Reporting Quality	Carbon Risk Rating
Aurubis AG	19.77%	1.55%	Strong	● Outperformer
Aperam SA	15.44%	1.62%	Moderate	● Outperformer
UPM-Kymmene Oyj	12.38%	2.08%	Strong	● Outperformer
Derichebourg SA	9.11%	1.85%	Inconsistent	● Outperformer
Stora Enso Oyj	8.65%	1.88%	Strong	● Outperformer
Webuild SpA	5.93%	1.07%	Strong	● Outperformer
Nexans SA	3.52%	3.15%	Moderate	● Outperformer
Neoen SA	2.69%	1.54%	Non-Reporting	● Leader
Koninklijke DSM NV	2.48%	2.12%	Strong	● Outperformer
VINCI SA	2.33%	2.60%	Strong	● Outperformer
Total for Top 10	82.29%	19.47%		

## ■ 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-intensive sector will ultimately have higher GHG emissions exposure. However, this can be offset by the selection of less emissions-intensive issuers from that sector. This analysis relates to the carbon footprint of the portfolio, specifically the Emissions Scope 1 & 2 (tCO<sub>2</sub>e) and Relative Carbon Footprint (tCO<sub>2</sub>e/Mio Invested) metrics.

The subsequent table identifies the most emissions-intensive 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 Attribution Exposure vs. Benchmark

Sector	Portfolio Weight	Benchmark Weight	Difference	Sector Allocation Effect	Issuer Selection Effect
Communication Services	2.07%	6.8%	-4.73%	1.29%	0.45%
Consumer Discretionary	8.07%	16.61%	-8.54%	0.57%	-0.8%
Financials	9.26%	12.73%	-3.48%	0.11%	0.19%
Industrials	42.77%	9.93%	32.84%	-36.95%	32.4%
Information Technology	17.9%	16.31%	1.59%	-0.1%	-0.58%
Materials	9.25%	12.85%	-3.6%	18.8%	18.53%
Utilities	10.69%	5.23%	5.46%	-14.28%	26.09%
Consumer Staples	0%	8.62%	-8.62%	2.43%	0%
Energy	0%	0.01%	-0.01%	0%	0%
Health Care	0%	9.71%	-9.71%	1.09%	0%
Real Estate	0%	1.2%	-1.2%	0.11%	0%
Cumulative Higher (-) and Lower (+) Emission Exposure vs. Benchmark				-26.93%	76.27%
Higher (-) / Lower (+) Net Emission Exposure vs. Benchmark				49%	

## DORVAL EUROPEAN CLIMATE INITIATIVE

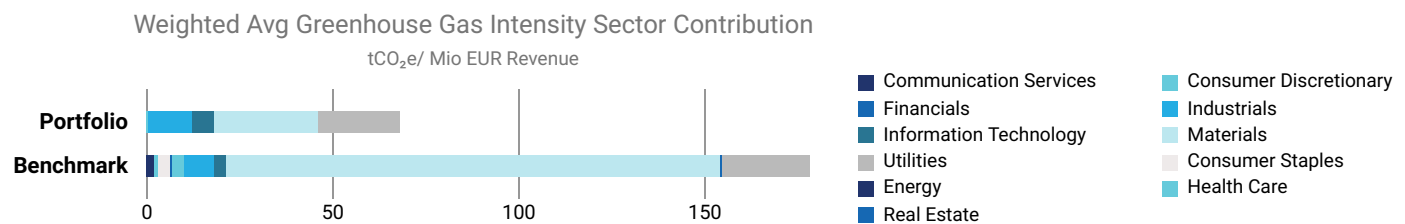
## Emission Attribution Analysis (continued)

Highest Emission-Intense Issuers in Combined Portfolio &amp; Benchmark Universe

Issuer Name	Sector	Emissions Intensity Scope 1 & 2 (tCO <sub>2</sub> e/Mio Mcap or AEV)	Carbon Risk Rating	Portfolio Under (-) / Overexposure (+)	
1. HeidelbergCement AG	Materials	10,176.42	● Medium Performer	<div></div>	-0.11%
2. thyssenkrupp AG	Materials	9,081.41	● Medium Performer	<div></div>	-0.09%
3. Buzzi Unicem Spa	Materials	8,606.7	● Laggard	<div></div>	-0.01%
4. Salzgitter AG	Materials	8,334.49	● Medium Performer	<div></div>	-0.02%
5. Air France-KLM SA	Industrials	4,588.24	● Medium Performer	<div></div>	-0.03%
6. voestalpine AG	Materials	4,562.5	● Medium Performer	<div></div>	-0.05%
7. Veolia Environnement SA	Utilities	2,409.47	● Medium Performer	<div></div>	-0.15%
8. Eramet SA	Materials	2,011.67	● Outperformer	<div></div>	-0.01%
9. Deutsche Lufthansa AG	Industrials	1,793.99	● Medium Performer	<div></div>	-0.24%
10. CRH plc	Materials	1,535.56	● Medium Performer	<div></div>	-0.65%

## Carbon Metrics 3 of 3

## Greenhouse Gas Emission Intensity

Top 10 Emission Intense Companies (tCO<sub>2</sub>e Scope 1 & 2/Revenue Millions)

Issuer Name	Emission Intensity	Peer Group Avg Intensity
1. Neoen SA	1,125.69	394.59
2. UPM-Kymmene Oyj	630.23	732.05
3. Verbund AG	295.52	394.59
4. Stora Enso Oyj	294.60	732.05
5. Aperam SA	254.39	1,654.37
6. Koninklijke DSM NV	152.18	882.82
7. Aurubis AG	127.15	812.25
8. STMicroelectronics NV	117.20	243.06
9. Infineon Technologies AG	100.92	243.06
10. Webuild SpA	85.11	129.38

## DORVAL EUROPEAN CLIMATE INITIATIVE

## ■ 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 DORVAL EUROPEAN CLIMATE INITIATIVE strategy in its current state is ALIGNED with a SDS scenario by 2050. The DORVAL EUROPEAN CLIMATE INITIATIVE has a potential temperature increase of 1.5°C, whereas the EURO STOXX TOTAL MARKET PARIS ALIGNED DNR has a potential temperature increase of 1.5°C.

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

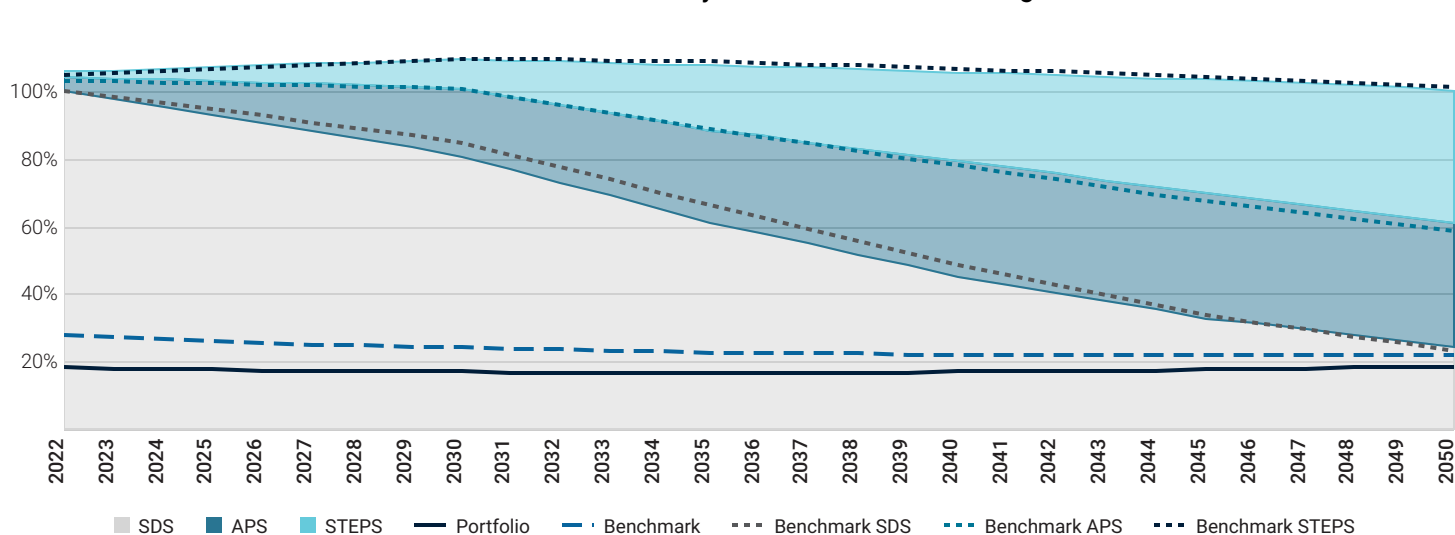
	2022	2030	2040	2050
<b>Portfolio</b>	-81.76%	-79.03%	-62.59%	-23.51%
<b>Benchmark</b>	-72.44%	-71.57%	-54.65%	-4.9%

**2050**  
**1.5°C**

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

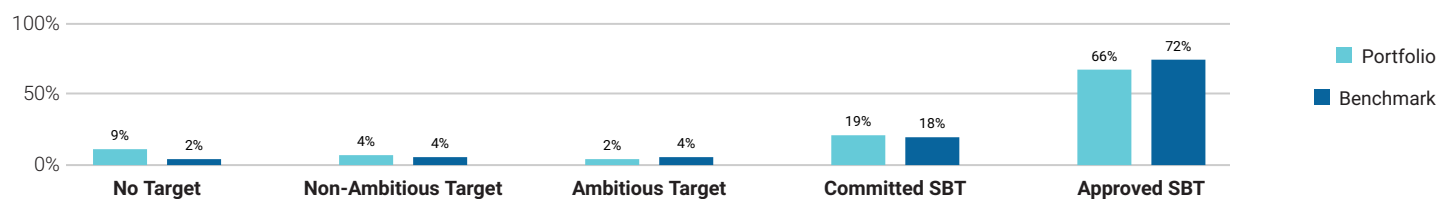
The portfolio is associated with a potential temperature increase of 1.5°C by 2050.

Portfolio Emission Pathway vs. Climate Scenarios Budgets



## Climate Targets Assessment (% Portfolio Weight)

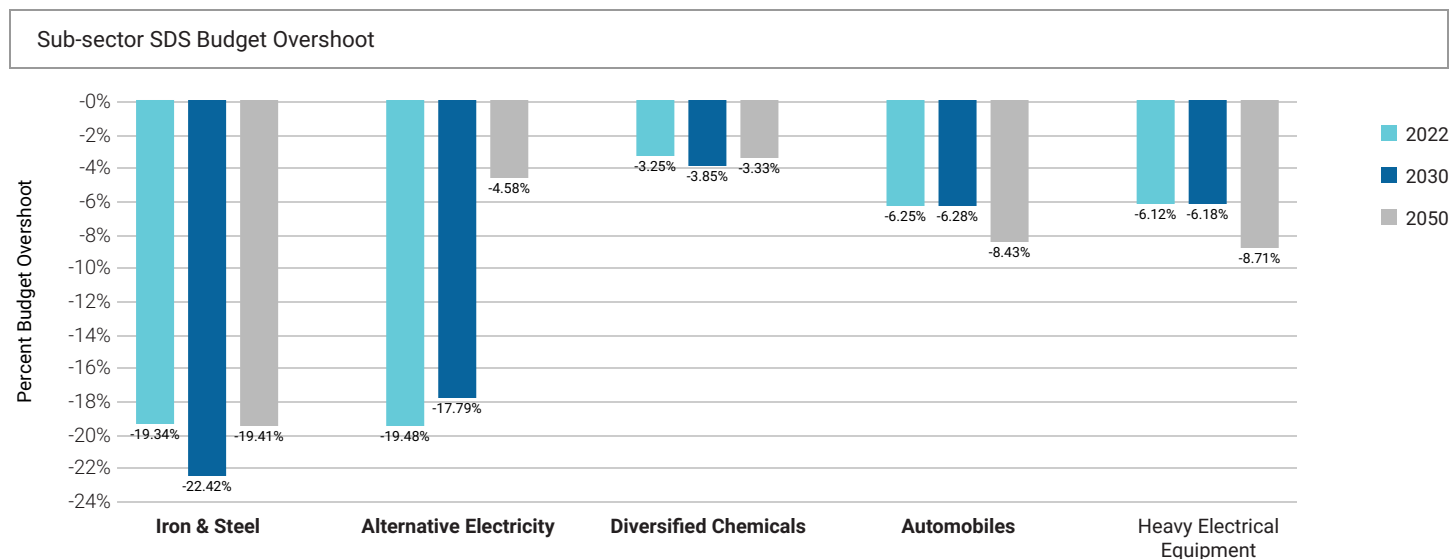
In order to transition, holdings need to commit to alignment with international climate goals and demonstrate future progress. Currently 86% of the portfolio's value is committed to such a goal. This includes ambitious targets set by the companies as well as committed and approved Science Based Targets (SBT). While commitments are not a guarantee to reach a goal, the 9% of the portfolio without a goal is unlikely to transition and should receive special attention from a climate risk conscious investor.



## DORVAL EUROPEAN CLIMATE INITIATIVE

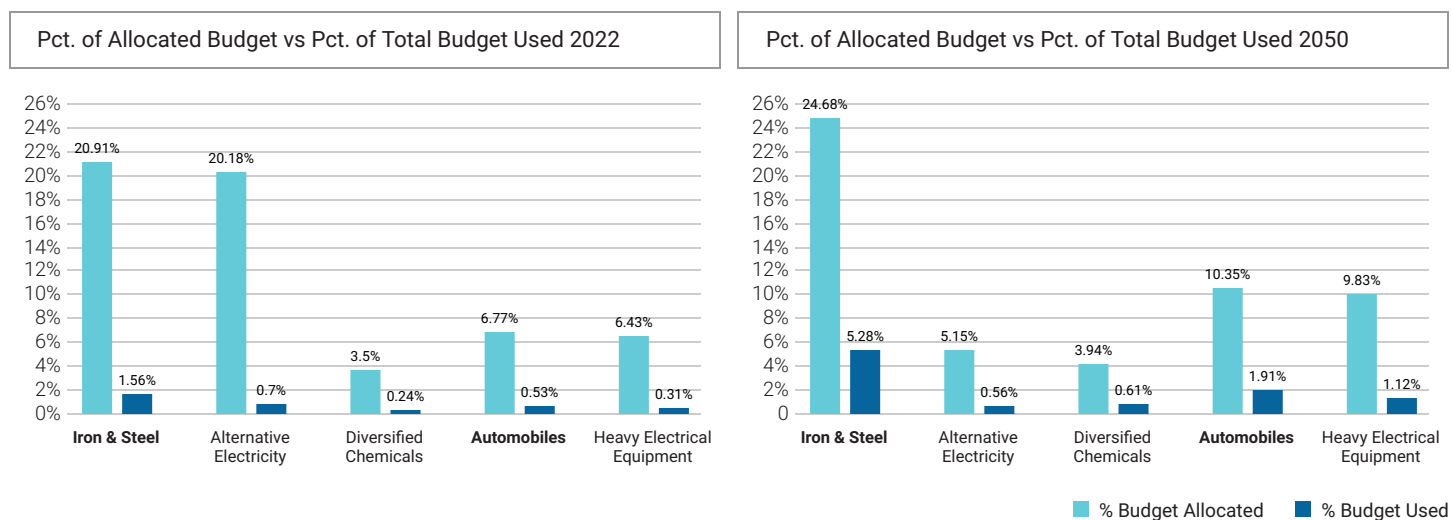
## ■ Climate Scenario Alignment 2 of 2

The table below shows the percent of the SDS budget used in 2022, 2030, and 2050 for key sub-sectors of the portfolio.

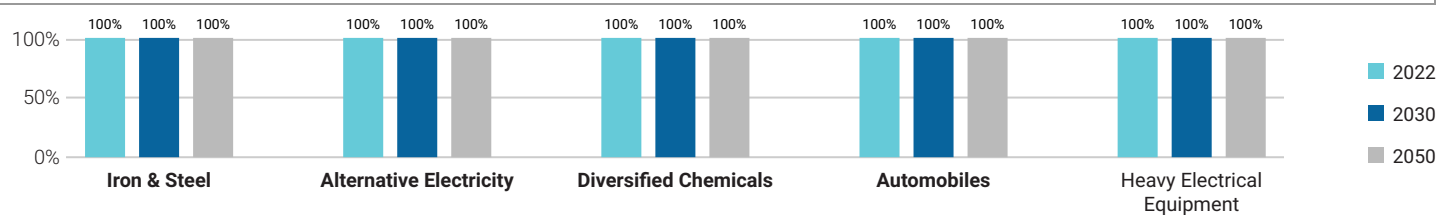


**Percent of Allocated Budget vs. Percent of Total Budget Used**

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 2022 and 2050.



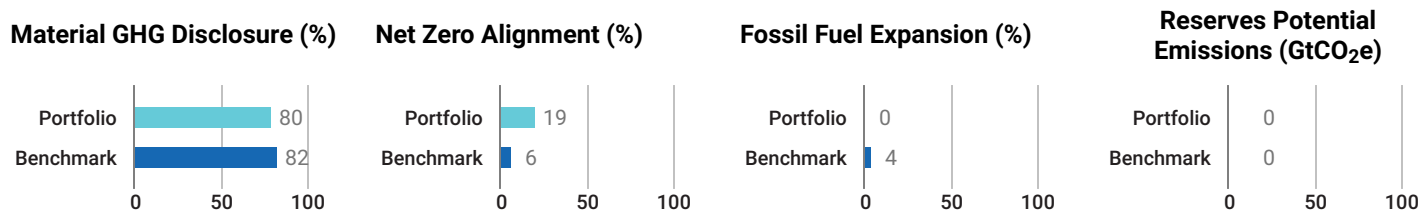
**Percent of Holdings SDS Aligned in 2022, 2030, and 2050**



## DORVAL EUROPEAN CLIMATE INITIATIVE

## ■ 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.

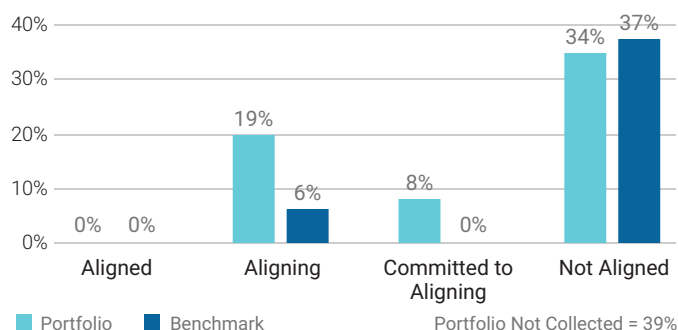
	Relative Carbon Footprint Scope 1				Relative Carbon Footprint Scope 2				Relative Carbon Footprint Scope 3			
	2022	2025	2030	2050	2022	2025	2030	2050	2022	2025	2030	2050
Portfolio	33.89	37.02	40.93	67.19	23.23	26.85	31.73	69.69	4.32 k	4.5 k	4.86 k	8.27 k
NZE Trajectory	-	27.43	20.98	0	-	18.81	14.38	0	-	3.5 k	2.67 k	0
Benchmark	80.64	87.66	97.42	171.42	32.11	33.74	37.21	72.4	748.71	819.49	922.8	1.73 k

	Weighted Average Carbon Intensity (Scope 1, 2 & 3)				Absolute Emissions (Scope 1, 2 & 3)			
	2022	2025	2030	2050	2022	2025	2030	2050
Portfolio	2.79 k	2.86 k	3.03 k	4.95 k	203.65 k	212.61 k	229.82 k	391.41 k
NZE Trajectory	-	2.26 k	1.73 k	0	-	164.86 k	126.08 k	0
Benchmark	736.03	760.08	817.04	1.4 k	40.1 k	43.8 k	49.22 k	92.03 k

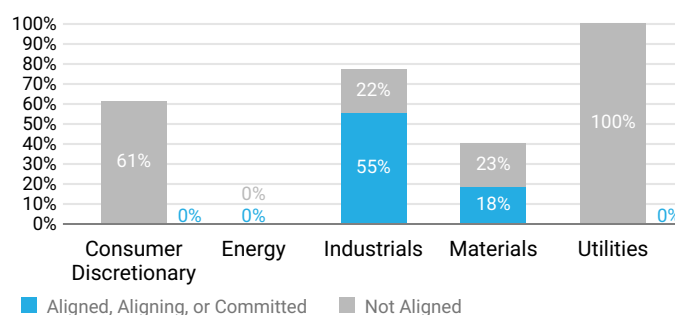
## Climate Net Zero Targets

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".

## Target Alignment Status



## Alignment per High Impact Sector





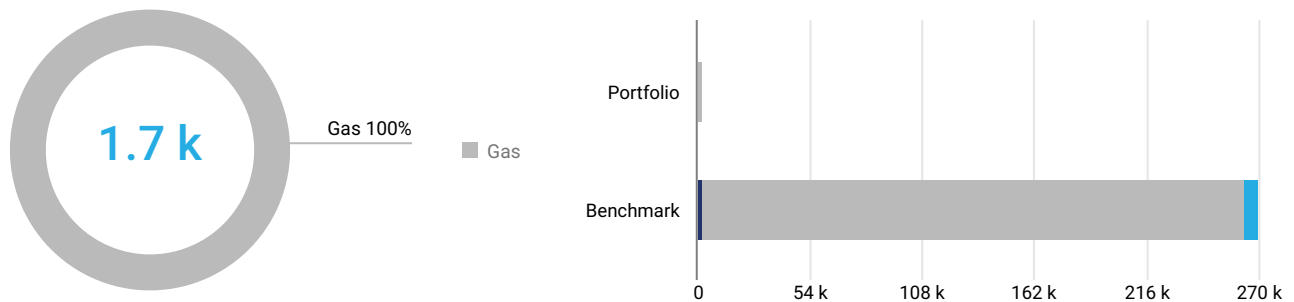
## DORVAL EUROPEAN CLIMATE INITIATIVE

## ■ Net Zero Analysis 2 of 2

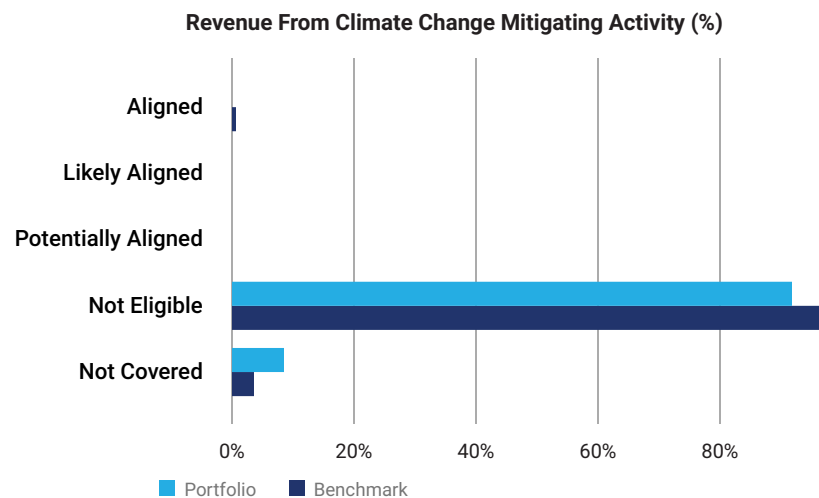
When assessing overall alignment with Net Zero it is vital to determine if the product portfolio of held companies is compatible with the objective of transitioning to a net zero system by 2050. The IEA's NZE2050 scenario states that all expansion of fossil fuel assets after 2021 is incompatible with 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 1.7 k EUR revenue linked to fossil fuels, which account for less than 1% of total portfolio revenue. Of the revenue from fossil fuels, - is attributed to oil, 100% to gas, and - to coal. The portfolio's revenue exposure exceeds the benchmark by a net difference of -99%.



## 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".

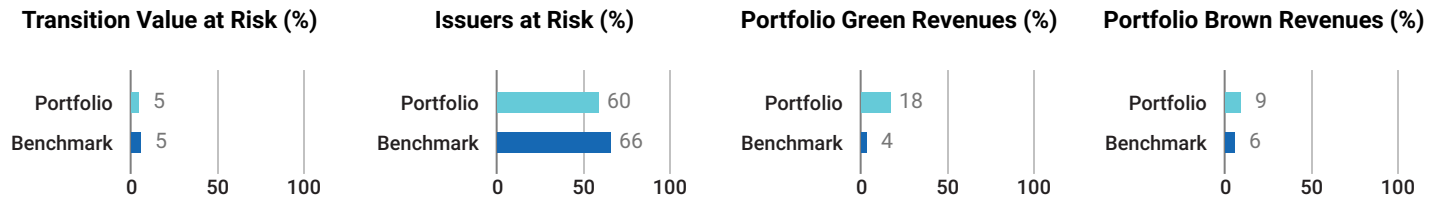
## Bottom Five Issuers by Net Zero Target Alignment and Weight

Issuer Name	Portfolio Weight	GICS Sector	Mitigation Revenue	Net Zero Alignment	Fossil Fuel Expansion
Solaria Energia y Medio Ambiente SA	3.04%	Utilities	0%	Not aligned	No
EDP Renovaveis SA	2.83%	Utilities	0%	Not aligned	No
Mercedes-Benz Group AG	2.75%	Consumer Discretionary	0%	Not aligned	No
Getlink SE	2.26%	Industrials	0%	Not aligned	No
Siemens AG	2.24%	Industrials	13.78%	Not aligned	No

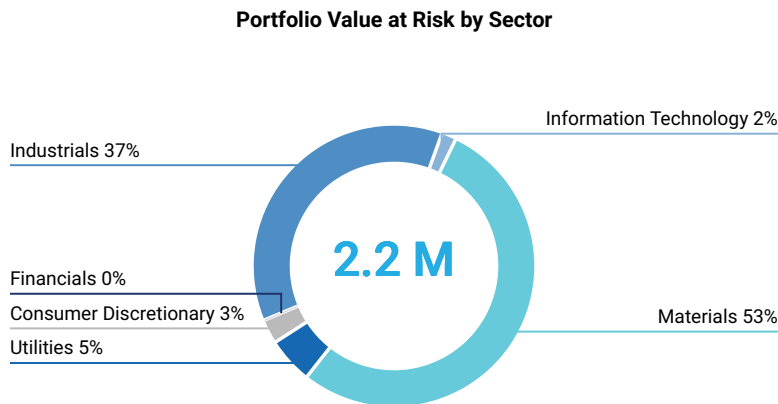
## DORVAL EUROPEAN CLIMATE INITIATIVE

## ■ 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



The total estimated Transition Value at Risk for the portfolio is 2.2 M EUR 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 (%)
Derichebourg SA	1.85%	Industrials	44.42%	11.01%
Aperam SA	1.62%	Materials	44.13%	43.37%
UPM-Kymmene Oyj	2.08%	Materials	42.94%	43.37%
Webuild SpA	1.07%	Industrials	41.77%	11.01%
Stora Enso Oyj	1.88%	Materials	37.78%	43.37%

## Top Five Issuers with the Highest Proportion of Green Revenues

Issuer Name	Portfolio Weight	GICS Sector	Green Revenues (%)	Sector WAvg Green Revenue (%)
Solaria Energia y Medio Ambiente SA	3.04%	Utilities	100%	11.39%
Nordex SE	2.89%	Industrials	100%	5.7%
Encavis AG	1.61%	Utilities	100%	11.39%
Alstom SA	2.78%	Industrials	95%	5.7%
Signify NV	1.94%	Industrials	80%	5.7%

## DORVAL EUROPEAN CLIMATE INITIATIVE

## ■ Transition Climate Risk Analysis 2 of 4

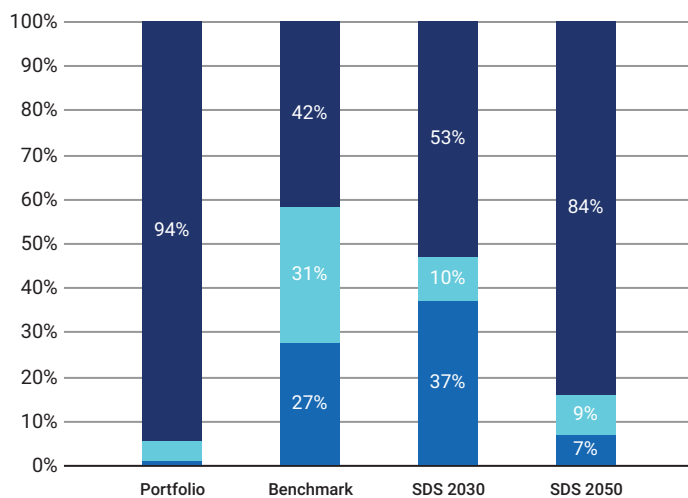
A decarbonized world needs to address both the demand side (for example Utilities burning fossil fuels) and the supply side (i.e. fossil reserves) of future emissions. For Utilities, it matters whether the power generated and power generation planned for the future stem from renewable (green) or fossil (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		Reserves		Climate Performance
	% Generation Output Green Share	% Generation Output Brown Share	% Investment Exposed to Fossil Fuels	Total Potential Future Emissions (ktCO <sub>2</sub> )	Weighted Avg Carbon Risk Rating
<b>Portfolio</b>	94.41%	0.83%	-	-	69
<b>Benchmark</b>	41.82%	27.41%	0.34%	-	68

## 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

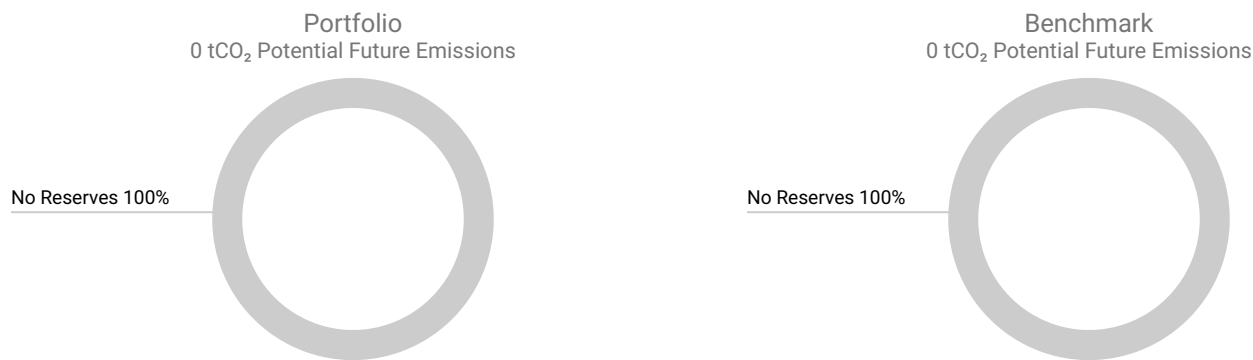
## Top 5 Utilities' Fossil vs. Renewable Energy Mix

Issuer Name	% Fossil Fuel Capacity	% Renewable Energy Capacity	% Contribution to Portfolio Emissions	Emissions tCO <sub>2</sub> e Scope 1 & 2 /GWh
<b>Neoen SA</b>	0%	85.2%	2.69%	76.52
<b>Verbund AG</b>	10.4%	89.6%	1%	28.55
<b>Solaria Energia y Medio Ambiente SA</b>	0%	100%	0.01%	-
<b>EDP Renovaveis SA</b>	0%	100%	0.01%	0.08
<b>Encavis AG</b>	0%	100%	0.01%	-

DORVAL EUROPEAN CLIMATE INITIATIVE

■ 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 0 tCO<sub>2</sub> of potential future emissions, of which - stem from Coal reserves, - 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
No Applicable Data			

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
VINCI SA	2.6%	-	Services	-	Services
Siemens AG	2.24%	-	Services	-	Services

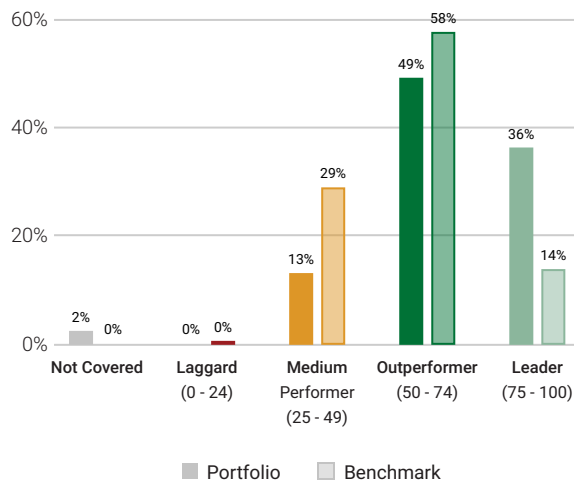
## DORVAL EUROPEAN CLIMATE INITIATIVE

## ■ Transition Climate Risk Analysis 4 of 4

## Portfolio Carbon Risk Rating

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 <sup>1</sup>	Average Carbon Risk Rating	
Renewable Energy (Operation) & Energy Efficiency Equipment	<div><div></div></div>	100
Transportation Infrastructure	<div><div></div></div>	79
Utilities/Electric Utilities	<div><div></div></div>	78
Machinery	<div><div></div></div>	76
Financials/Commercial Banks & Capital Markets	<div><div></div></div>	74
Electronic Components	<div><div></div></div>	56
Food & Beverages	<div><div></div></div>	-
Oil & Gas Equipment/Services	<div><div></div></div>	-
Oil, Gas & Consumable Fuels	<div><div></div></div>	-
Transport & Logistics	<div><div></div></div>	-

Top 5 <sup>2</sup>	Country	ISS ESG Rating Industry	CRR	Portfolio Weight (consol.)
■ Solaria Energia y Medio Ambiente SA	Spain	Renewable Electricity	100	3.04%
■ Nordex SE	Germany	Electrical Equipment	100	2.89%
■ EDP Renovaveis SA	Spain	Renewable Electricity	100	2.83%
■ Encavis AG	Germany	Renewable Electricity	100	1.61%
■ Neoen SA	France	Renewable Electricity	100	1.54%

Bottom 5 <sup>2</sup>	Country	ISS ESG Rating Industry	CRR	Portfolio Weight (consol.)
■ Somfy SA	France	Electronic Components	37	0.73%
■ Inwido AB	Sweden	Construction Materials	46	1.81%
■ Bureau Veritas SA	France	Research & Consulting Services	48	2.85%
■ Mercedes-Benz Group AG	Germany	Automobile	48	2.75%
■ Bayerische Motoren Werke AG	Germany	Automobile	48	2.2%

■ Climate Laggard (0 - 24) ■ Climate Medium Performer (25 - 49) ■ Climate Outperformer (50 - 74) ■ Climate Leader (75 - 100)

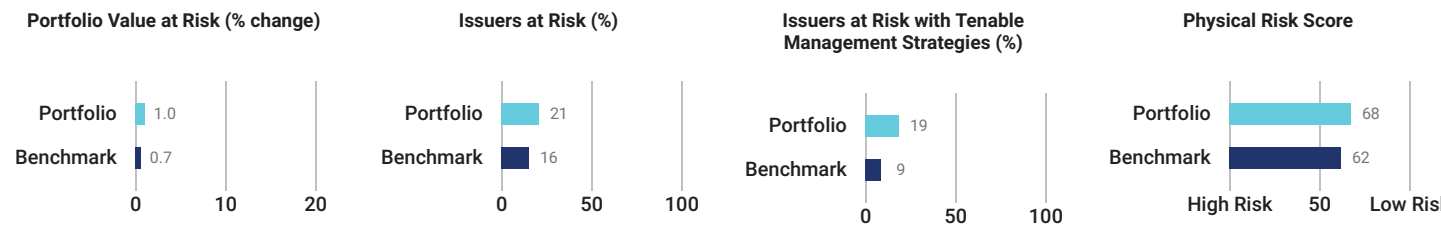
<sup>1</sup> The proprietary ISS ESG Rating industry Classification is intended to group companies from an ESG perspective and might differ from other classification systems.

<sup>2</sup> 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.

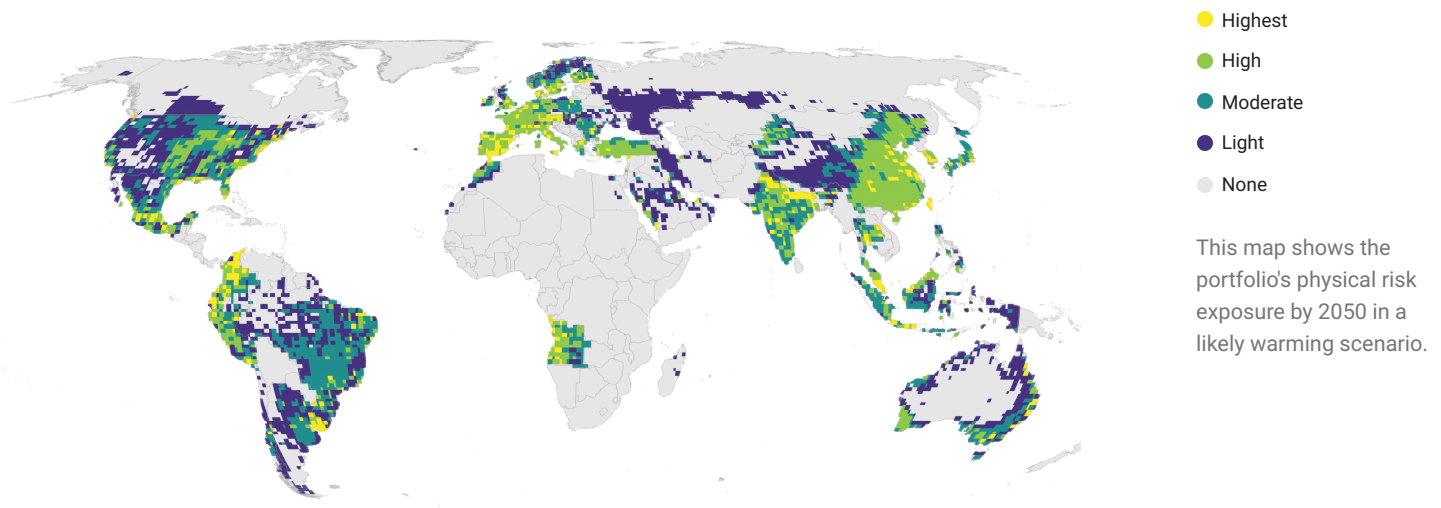
DORVAL EUROPEAN CLIMATE INITIATIVE

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.

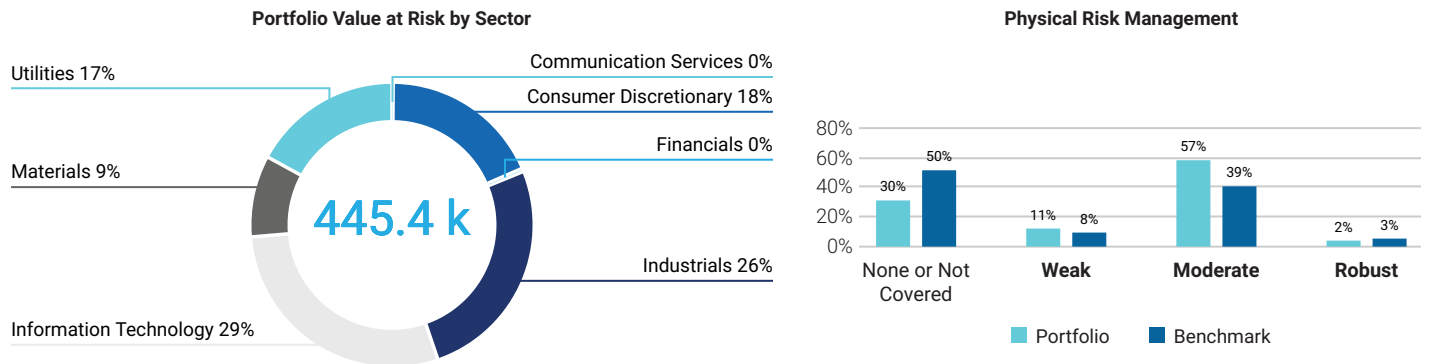


Physical Risk Exposure per Geography



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.

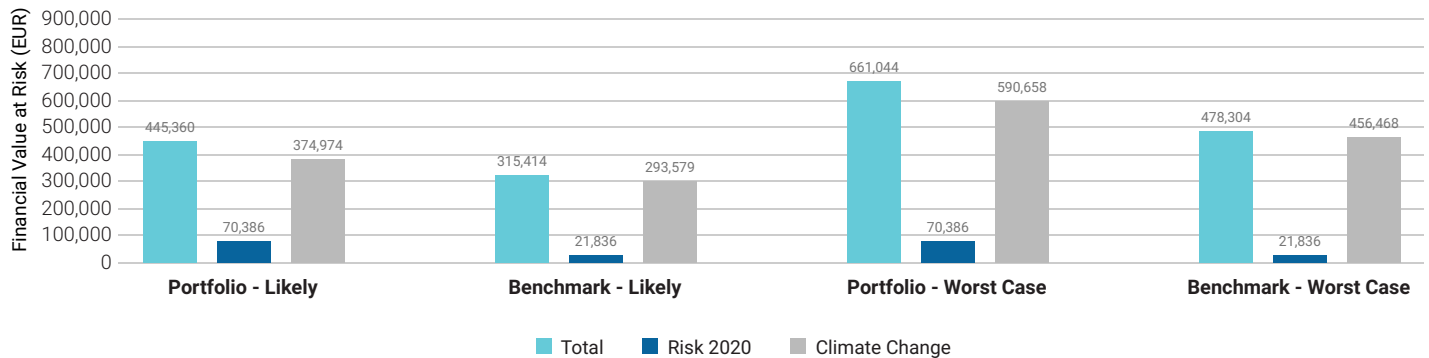


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## ■ Physical Climate Risk Analysis 2 of 4

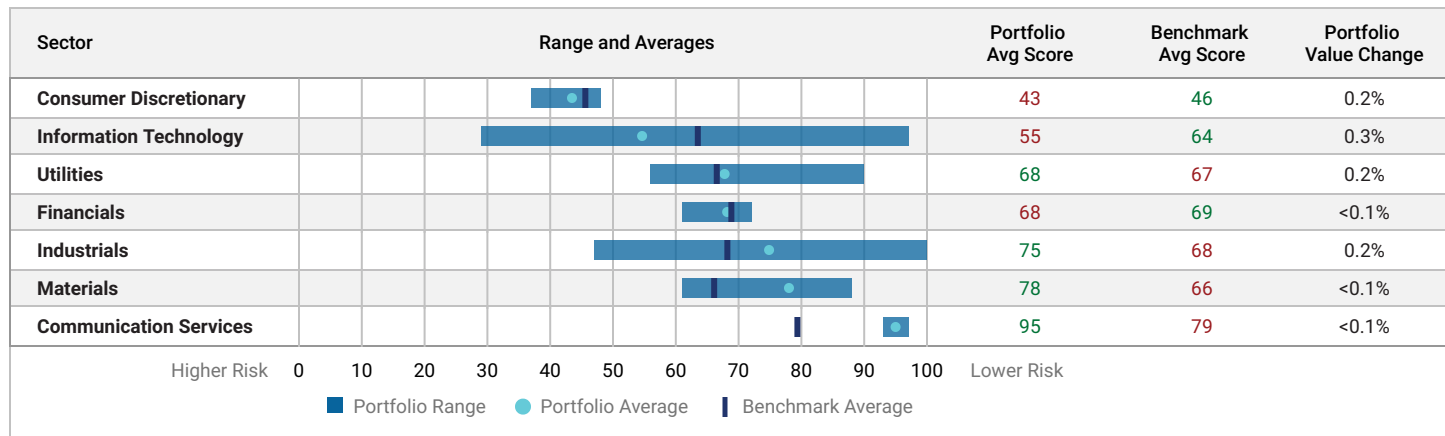
## Change in Portfolio and Benchmark Value due to Physical Risk by 2050

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 2022), 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.



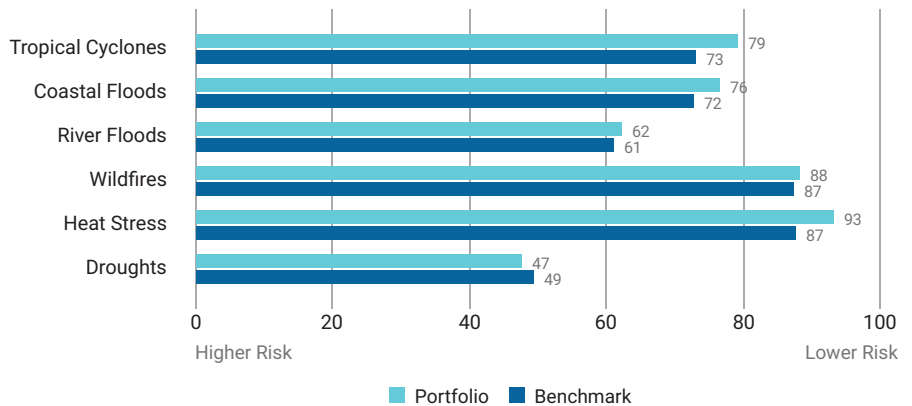


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## ■ Physical Climate Risk Analysis 3 of 4

## 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 five 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
ASML Holding NV	3.92%	Information Technology	29	Robust
Nexans SA	3.15%	Industrials	63	Moderate
Solaria Energia y Medio Ambiente SA	3.04%	Utilities	64	Weak
SAP SE	2.93%	Information Technology	66	Weak
Schneider Electric SE	2.92%	Industrials	49	Moderate



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## ■ 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
ASML Holding NV	29	63	56	83	100	100	100	Robust
ASM International NV	35	49	51	40	100	100	42	Moderate
Kering SA	37	52	52	42	50	45	45	Moderate
LVMH Moet Hennessy Louis Vuitton SE	37	48	52	41	50	45	50	Moderate
Nokia Oyj	42	63	75	68	100	100	42	Moderate
Infineon Technologies AG	42	47	46	33	100	100	50	Not Covered
Bayerische Motoren Werke AG	47	64	62	65	100	100	50	Moderate
Signify NV	47	53	67	45	100	60	44	Moderate
Bureau Veritas SA	48	57	56	47	100	100	50	Moderate
Mercedes-Benz Group AG	48	73	72	58	100	100	50	Moderate

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