



Fund Summary Carbon Metrics

Item	Data type
General characteristics	
Reporting Period	31/12/2025
Name of the Fund	VT Defensive Portfolio Overlay Fund
Issuer Coverage % of Market Value	98.88
Coverage of the Fund	
Number of Instruments Covered	32
Number of Instruments Not Covered	1
Main indicators of the Fund	
Absolute Scope 1 GHG emissions (tCO2e)	2,940,804
Absolute Scope 2 GHG emissions (tCO2e)	1,303,986
Absolute Scope 3 GHG emissions (tCO2e)	50,764,385
Total Absolute GHG emissions (tCO2e)	55,009,175
Owned Emissions	What is this? These are the GHG emissions associated with the portfolio expressed in tons of CO2e calculated by considering underlying company's emissions proportional to the investor's ownership stake in that company. Simply put this can be considered the volume of GHGs an investor could be considered responsible for based on their investments. This metric can be used to track changes in GHG emissions in a fund. $\sum_{(sum\ of)} \left(\frac{\text{current value of investment}}{\text{issuer's market capitalisation}} * \text{issuer's Scope (1,2 or 3 as appropriate) GHG emissions} \right)$
Scope 1 GHG emissions (tCO2e)	1,109
Scope 2 GHG emissions (tCO2e)	317
Scope 3 GHG emissions (tCO2e)	16,710
Weighted Average Carbon Intensity (tCO2e per USD million revenue)	What is this? This is the fund's exposure to carbon-intensive industries as measured by tons of GHG emissions per \$m of revenue. Rather than summing the emissions per unit of revenue by the ownership percentage of an investment, emissions per unit of revenue are added together based on the percentage that each asset makes up of the fund. This gives an indication of the fund's overall carbon efficiency, with a lower WACI indicating less GHG emissions per unit of revenue. This metric allows for the best comparison between portfolios. The downside is that it is sensitive to outliers and will favour fund's holding companies that have pricing power (leading to higher profit margins) such as technology firms. $\sum_{(sum\ of)} \left(\frac{\text{current value of investment}}{\text{current portfolio value}} * \frac{\text{issuer's Scope 1 and Scope 2 GHG emissions}}{\text{issuer's \$M revenue}} \right)$
Weighted Average Carbon Intensity (WACI) (tCO2e/\$m)	140



Fund Summary Carbon Metrics

Item	Data type
Footprint and Intensity	
Carbon footprint (tCO2e per USD million invested)	What is this?
$\frac{\sum_{(sum\ of)} \left(\frac{current\ value\ of\ investment}{issuer's\ market\ capitalisation} * issuer's\ Scope\ (1,2\ or\ 3\ as\ appropriate)\ GHG\ emissions \right)}{current\ portfolio\ value\ (\$M)}$	This is the total carbon emissions for a fund divided by (normalised by) the market value of the fund to give the GHG emissions per \$ invested. This metric is fairly intuitive and can be used to compare portfolios to one another or to a chosen benchmark comparator. Potential downsides are this metric does not consider the carbon efficiency of investments and changes in the market capitalisation of underlying investments can be misinterpreted.
Carbon Footprint Scope 1 (tCO2e/\$M)	28
Carbon Footprint Scope 2 (tCO2e/\$M)	8
Carbon Footprint Scope 3 (tCO2e/\$M)	420
Carbon intensity (tCO2e per USD million revenue)	What is this?
$\sum_{(sum\ of)} \left(\frac{current\ value\ of\ investment}{current\ portfolio\ value} * \frac{issuer's\ Scope\ (1,2\ or\ 3\ as\ appropriate)\ GHG\ emissions}{issuer's\ \$M\ revenue} \right)$	This is a measure of the carbon efficiency of a fund. Owned Emissions are scaled by the owned revenues of the underlying investments with this figure expressed in tons CO2e per \$m of revenue. This metric can be used to compare portfolios to one another or to a chosen benchmark and importantly takes into account the carbon efficiency of the underlying investments i.e. how much GHG is emitted per unit of revenue generated.
Carbon Intensity Scope 1 (tCO2e/\$M)	112
Carbon Intensity Scope 2 (tCO2e/\$M)	28
Carbon Intensity Scope 3 (tCO2e/\$M)	1,587
Implied Temperature Rise	
Net Temperature Overall	2-3°C
Alignment Gap Well Below 2°C (tCO2e)	5,629,215
Alignment Gap 2°C (tCO2e)	-8,393,006
Alignment Gap 3°C (tCO2e)	-25,663,060
	What is this?
An implied temperature rise indicates the expected increase in global temperature (in degrees Celsius) by 2100 that would occur if the projected GHG emissions associated with this fund were representative of the whole economy. The three alignment gaps (the excess amount of GHG emissions produced by the fund over the amount needed to limit temperature rise to the indicated level) are shown which correspond to globally recognised scenarios. Whilst the implied temperature rise provides an easily translatable measurement of a fund's alignment to global warming potential it must be noted that there are various approaches used and as such figures may not be comparable across providers.	



Portfolio Assessment Summary Report (TCFD aligned)

powered by S&P Trucost and Confluence ECPI

Portfolio: VT Defensive Portfolio Overlay Fund

As of: 31/12/2025
Market Value: 34,757,404

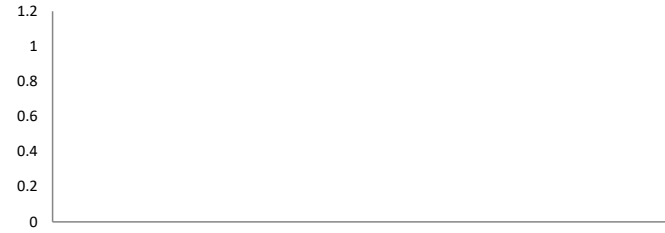
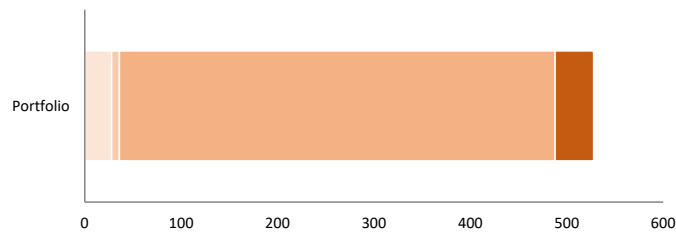
CARBON PERFORMANCE

The analysis of Carbon Footprint (tCO2e/\$M Revenue) allows investors to quantify the GHG emissions apportioned to their portfolio and/or benchmark, presented as the amount of tCO2e apportioned to the investor. The lower, the better. Additionally, Carbon Intensity (tCO2e/\$M) allows comparison between different companies or portfolios, irrespective of size and geography.

Carbon Footprint (tCO2e/\$M)		Portfolio
Scope 1	27.86	
Scope 2	7.97	
Scope 3 Downstream	452.22	
Scope 3 Upstream	39.76	

Carbon Intensity (tCO2e/\$M Revenue)		Portfolio
Direct	115.09	
First Tier Indirect	56.82	
WACI	139.93	

Market Value Covered in %		
ECPI	98.88%	S&P Trucost 98.88%
Reported Vs. Estimated		87.37%



Top 10 Securities by Intensity	Total Intensity (tCO2e/\$M)
Msim Fund Management (Ireland) - Ms Invf Emerging Mkts Dt	293.25
Franklin Templeton Fund Manage - Ftf Brandywine Global Inc	292.72
Neuberger Berman Uncorrelated Strategies HGBP I2Ac	247.50
Henderson Management S.A. - Janus Hndrsnglbl Mlt-strat I2 F	240.44
Vanguard Global Credit Bond Institutional Hedged Acc GBP	240.07
HSBC Global Corporate Bond ETF S2CHGBP	213.42
HSBC Global Aggregate Bond Index S2CHGBP	163.06
Ngam S.A. - Loomis Sayles Global Oppc Bd H-f/a Gbp	119.66
HSBC Global Government Bond ETFS2CHGBP	3.98
Jupiter Merian North American Equity U2 GBP Acc	N/A

Top 10 by Carbon Footprint	% Weight	Carbon Footprint					Carbon Footprint		Intensity: GHG	
		Carbon Footprint Scope 1 (tCO2e/\$M)	Carbon Footprint Scope 2 (tCO2e/\$M)	Scope 3 Downstream (tCO2e/\$M)	Carbon Footprint Scope 3 Upstream (tCO2e/\$M)	Absolute: GHG Direct (tCO2e)	Absolute: GHG First Tier Indirect (tCO2e)	Intensity: GHG Direct (tCO2e/\$M Revenue)	First Tier Indirect (tCO2e/\$M Revenue)	
HSBC Global Aggregate Bond Index S2Cf	10.12%	29.05	22.78	6.26	310.64	26.62	4,588,444	3,151,377	143.31	55.41
Msim Fund Management (Ireland) - Ms Ir	5.80%	45.77	33.05	12.62	455.28	29.94	1,015,713	740,128	261.97	75.56
Ngam S.A. - Loomis Sayles Global Oppc	5.23%	19.64	11.33	8.32	319.49	30.79	1,788,922	3,092,469	79.65	81.84
Franklin Templeton Fund Manage - Ftf Br	4.81%	156.34	134.17	22.17	1,248.92	67.10	2,941,732	1,122,937	265.10	67.13
Henderson Management S.A. - Janus Hnc	3.90%	18.72	12.91	5.80	61.96	14.47	4,711,982	3,775,121	204.43	71.49
Vanguard Global Credit Bond Institutiona	3.89%	52.03	43.55	8.49	391.62	36.79	5,531,802	2,901,933	215.04	60.72
HSBC Global Corporate Bond ETF S2CHG	3.86%	36.68	29.15	7.54	335.93	30.14	5,594,191	3,380,904	189.14	65.39
Neuberger Berman Uncorrelated Strategi	3.85%	16.10	11.11	4.99	54.20	18.15	2,585,662	2,765,295	175.20	121.70



Portfolio Assessment Summary Report (TCFD aligned)

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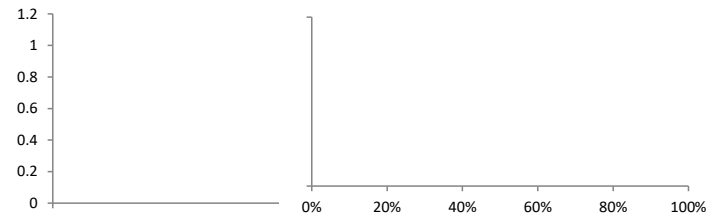
Portfolio: VT Defensive Portfolio Overlay Fund

As of: 31/12/2025
Market Value: 34,757,404

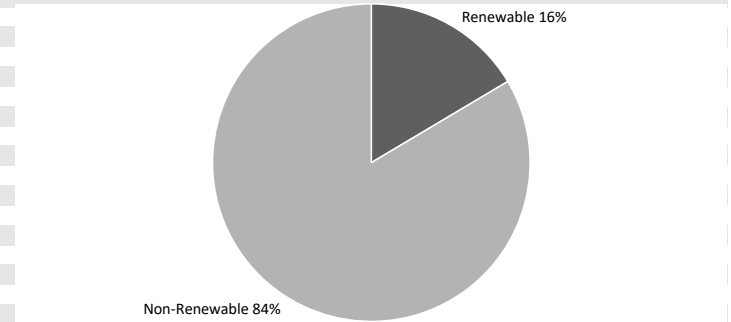
FOSSIL FUELS & STRANDED ASSETS

Future emissions from fossil fuel reserves tend to exceed the allowed carbon budget supposed to limit global warming to 2°C above pre-industrial levels. Below the exposure to carbon-related assets as well as holdings in companies that have disclosed proven and probable fossil fuel reserves.

Exposure to Fossil Fuels	Portfolio
% from Fossil Fuels	2.75%
Exposure to Coal Activities (powered by ECPI)	Portfolio
% from Metallurgical	0.07%
% from Mining	0.05%
% from Thermal	0.34%



Power Generation in GWh	Portfolio	
Renewable	24,818.96	16.46%
Biomass	672.87	0.45%
Geothermal	2,041.41	1.35%
Hydroelectric	7,853.25	5.21%
Solar	3,143.62	2.08%
Wave and Tidal	355.15	0.24%
Wind	10,752.65	7.13%
Non-Renewable	125,955.08	83.54%
Coal	14,106.98	9.36%
Landfill Gas	112.59	0.07%
Liquid Natural Gas	29,824.25	19.78%
Liquid Petroleum Gas	102.77	0.07%
Natural Gas	24,297.91	16.12%
Nuclear	54,134.08	35.90%
Petroleum Oil	1,636.35	1.09%
Undefined Sources	1,740.14	1.15%



Energy Consumption			Energy Cons Non-Renewable (GWh)			Energy Cons Renewable (GWh)			Energy Prod Non-Renewable (GWh)			Energy Prod Renewable (GWh)		
Top 5 by Coal Consumption	% Weight	from Coal (GWh)	Fossil Fuel Exposure	Coal Gasification Exposure	Coal Liquefaction Exposure									
HSBC Global Aggregate Bond Index S2Ct	10.12%	27,810	✗	✓	✓	22,658	3,361	9,846	2,124					
Msim Fund Management (Ireland) - Ms Ir	5.80%	2,383	✗	✓	✓	8,623	2,363	960	446					
Ngam S.A. - Loomis Sayles Global Oppc	5.23%	25,081	✗	✓	✓	12,692	4,742	2,286	1,367					
Franklin Templeton Fund Manage - Ftf Br	4.81%	12,635	✗	✓	✓	12,734	4,708	2,221	726					
Henderson Management S.A. - Janus Hnc	3.90%	46,839	✗	✓	✓	6,696	1,456	1,286	316					
% Coal Mining Revenue/ Total Revenue			Metallurgical Coal Mining Revenue (\$M)			Coal Mining Revenue (\$M)			Thermal Coal Mining Revenue (\$M)			Undefined Coal Mining Revenue (\$M)		
Top 5 by Coal Mining Revenue	% Weight	Revenue	Fossil Fuel Exposure	Coal Gasification Exposure	Coal Liquefaction Exposure									
HSBC Global Aggregate Bond Index S2Ct	10.12%	7	✗	✓	✓	2,332	4,981	3,359	611					
Msim Fund Management (Ireland) - Ms Ir	5.80%	49	✗	✓	✓	622	749	128	-					
Ngam S.A. - Loomis Sayles Global Oppc	5.23%	12	✗	✓	✓	2,128	2,226	164	-					
Henderson Management S.A. - Janus Hnc	3.90%	1	✗	✓	✓	N/A	207	207	360					
Vanguard Global Credit Bond Institutiona	3.89%	4	✗	✓	✓	3,603	9,671	7,042	-					

Definition of metrics		
Power Generation This reflects the share of renewable (solar, wind etc) vs non-renewable (coal, nuclear, petroleum etc) powered electricity generation compared to the total amount generated by the issuer and/or the assets invested in the portfolio.	Fossil Fuel Exposure These are assets involved in processes related to non-renewable energy sources (e.g. coal, natural gas etc) and non-renewable wastes. Fossil fuels can originate from plants, animals or industrial processes from other fuels (e.g. oil refinery).	Coal Gasification Exposure This refers to assets involved in processes in which coal is partially oxidised with air, oxygen, steam or carbon dioxide to form a fuel gas.
Energy Consumption This reflects the total amount of energy (e.g. electricity and heat) required for a given process and is measured typically in Gigawatt hour (GWh).	Undefined Sources Other or Undefined typically refers to power generation or consumption with unclear roots and/or belonging to other sectors with none specified techniques for extraction or production.	Coal Liquefaction Exposure This refers to assets involved in processes aimed at converting coal into liquid hydrocarbons: liquid fuels and petrochemicals.



Portfolio Assessment Summary Report (TCFD aligned)

powered by S&P Trucost and Confluence ECPI

Portfolio:	VT Defensive Portfolio Overlay Fund	As of:	31/12/2025
		Market Value:	34,757,404

GREEN TAXONOMY DISCLOSURES			
Sustainable product classification and labelling system includes differentiation between products not promoted as sustainable and products promoted as responsible, which may have some sustainable investments. The sustainable products may be split			
- Aligned => products with sustainable characteristics, themes or objectives; high allocation to Taxonomy-aligned sustainable activities			
- Transitioning => products with sustainable characteristics, themes or objectives; low allocation to Taxonomy-aligned sustainable activities			

	% Total Not Eligible	% Total Eligible	% Enabling	% Transitional
Portfolio	76.65%	21.71%	12.03%	9.67%

	% Agriculture	% Construction and Real Estate Activities	% Electricity, Gas, Steam and A/C Supply	% Forestry	% ICT	% Manufacturing	% Transportation and Storage	% Water, Sewerage, Waste and Remediation	% Multiple Sources
Portfolio	0.09%	3.03%	3.66%	0.01%	6.09%	7.00%	1.08%	0.20%	0.54%

Top 5 by Weight		% Weight								
HSBC Global Government Bond ETFS2CH		17.44%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HSBC Global Aggregate Bond Index S2CI		10.12%	0.00%	3.68%	9.14%	0.00%	6.78%	6.06%	1.54%	0.28%
Msim Fund Management (Ireland) - Ms Ir		5.80%	0.90%	6.76%	8.90%	0.00%	2.28%	5.18%	5.68%	0.00%
Ngam S.A. - Loomis Sayles Global Oppc		5.23%	0.00%	1.94%	3.04%	0.00%	5.29%	13.70%	0.04%	0.00%
Franklin Templeton Fund Manage - Ftf Br		4.81%	0.16%	0.91%	5.59%	0.00%	14.30%	2.26%	1.70%	0.65%

Definition of metrics		
Eligible Vs. Non-Eligible	Enabling Vs. Transitional	
Total percentage of revenues mapped (or not mapped, respectively) to EU taxonomy aligned activities.	Enabling activities indirectly mitigate the effects of climate change and improve the emissions intensity of other activities. Transitional activities directly mitigate or contribute to climate change mitigation.	



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Portfolio:	VT Defensive Portfolio Overlay Fund	As of:	31/12/2025
		Market Value:	34,757,404

TOWARDS NET-ZERO

The international Paris Agreement on climate change mentions 3 long-term goals: the first two focus on climate mitigation and adaptation, while the third is "to make all financial flows consistent with a pathway towards low-emissions, climate-resilient development.". This recognizes the key role that financial institutions play in realizing the Paris Climate Agreement - including the need to achieve net-zero emissions by mid-century and reduce emissions 50% by 2030. An Implied Net Temperature can be also derived as the weighted average net temperature increase across different methodologies.

	2°C Aligned Intensity Adjusted Profit (tCO2e/\$M)	Alignment Gap Well Below 2°C (tCO2e)	Alignment Gap 2°C (tCO2e)	Alignment Gap 3°C (tCO2e)	Alignment Gap 4°C (tCO2e)	Alignment Gap 5°C (tCO2e)	Net Temperature (Overall)	Net Temperature (GEVA)	Net Temperature (SDA)
Portfolio	446.04	5,629,215	-8,393,006	-25,663,060	-21,949,348	-24,884,006	2-3°C	2-3°C	N/A

Top 5 by Weight	% Weight	Alignment Gap Well Below 2°C (tCO2e)	Alignment Gap 2°C (tCO2e)	Alignment Gap 3°C (tCO2e)	Alignment Gap 4°C (tCO2e)	Alignment Gap 5°C (tCO2e)	Type	Methodology	Source of Forward Looking Data
HSBC Global Government Bond ETFS2CH	17.44%	N/A	N/A	N/A	N/A	N/A	>5°C	GEVA	Company target
HSBC Global Aggregate Bond Index S2CH	10.12%	9,573,370	-16,578,964	-40,842,126	-25,916,848	-29,270,750	<1.5°C	GEVA	Company target
Msim Fund Management (Ireland) - Ms Ir	5.80%	471,002	-3,846,666	-10,021,458	-7,742,796	-8,916,621	>5°C	GEVA	Sub-Industry trend
Ngam S.A. - Loomis Sayles Global Oppc	5.23%	-12,805,270	-24,916,620	-37,997,649	-31,283,250	-33,798,418	<1.5°C	GEVA	Company target
Franklin Templeton Fund Manage - Ftf Br	4.81%	10,767,842	-1,570,995	-11,547,412	-2,258,277	-3,834,862	<1.5°C	GEVA Modelled	Sub-Industry trend

Definition of metrics		
Type It summarizes the scenario alignment of a company based on assessing a variety of available scenario markers using either the SDA or GEVA models. Possible values include <2°C, 2-3°C, 3-4°C, 4-5°C, and >5°C.	Alignment Gap It indicates the difference between a company's projected emissions pathway and the required pathway to reach n°C alignment, measured in tCO2e. Negative values indicate a company's transition pathway aligned to outcome.	Methodology and Source of Forward Looking Data They dictate whether the GHG Emissions per unit of Value Add approach (GEVA) or Sectoral Decarbonization Approach (SDA) has been used to assess scenario alignment, and the source of forward looking data used in the assessment. - GEVA => the greenhouse Gas Emissions per unit of Value Added equates a carbon budget to total GDP and a company's share of emissions is determined by its gross profit - SDA => the Sectoral Decarbonization Approach translates greenhouse gas emissions targets into benchmarks against which the performance of individual companies can be compared.



Portfolio Assessment Summary Report (TCFD aligned)

powered by S&P Trucost and Confluence ECPI

Portfolio:	VT Defensive Portfolio Overlay Fund	As of:	31/12/2025
		Market Value:	34,757,404

SCENARIO ANALYSIS			
The assessment of physical risks is key as they also (or mostly) result from climate change. Companies are scored 1-100 for each of the key hazard risk types (coldwave, heatwave, hurricane, floods, wildfire, water stress etc). The assessment is made available across different climate change scenarios (low, medium, high) and future reference years (2030, 2050).			

Low			
Sensitivity	2020	2030	2050
Composite	88.95	88.95	88.95
Coldwave	14.83	14.83	14.83
Flood	14.41	14.41	14.41
Heatwave	95.81	95.81	95.81
Hurricane	12.02	12.02	12.02
Sea Level Rise	7.47	7.47	7.47
Water Stress	130.17	130.17	130.17
Wildfire	25.57	25.57	25.57

Medium			
Sensitivity	2020	2030	2050
Composite	105.62	105.62	105.62
Colwave	10.43	10.43	10.43
Flood	19.96	19.96	19.96
Heatwave	131.68	131.68	131.68
Hurricane	11.90	11.90	11.90
Sea Level Rise	8.75	8.75	8.75
Water Stress	130.33	130.33	130.33
Wildfire	27.90	27.90	27.90

High			
Sensitivity	2020	2030	2050
Composite	74.51	74.51	74.51
Colwave	59.60	59.60	59.60
Flood	8.86	8.86	8.86
Heatwave	71.93	71.93	71.93
Hurricane	N/A	N/A	N/A
Sea Level Rise	20.23	20.23	20.23
Water Stress	165.47	165.47	165.47
Wildfire	50.06	50.06	50.06

		Sensitivity Composite Score 2020 (High Scenario)	Sensitivity Composite Score 2030 (High Scenario)	Trend	Coldwave Score 2030 (High Scenario)	Flood Score 2030 (High Scenario)	Heatwave Score 2030 (High Scenario)	Sea Level Rise Score 2030 (High Scenario)	Water Stress Score 2030 (High Scenario)	Wildfire Score 2030 (High Scenario)
Top 10 by Weight		% Weight								
HSBC Global Aggregate Bond Index S2Ct		10.12%	65.94	—	60.35	9.14	68.71	19.13	155.18	48.74
Msim Fund Management (Ireland) - Ms Ir		5.80%	80.82	—	53.82	10.40	86.63	18.06	137.52	33.76
Ngam S.A. - Loomis Sayles Global Oppc		5.23%	71.58	—	61.19	8.57	65.05	15.46	161.72	46.91
Franklin Templeton Fund Manage - Ftf Br		4.81%	78.76	—	60.57	7.45	80.93	9.18	161.45	61.26
Henderson Management S.A. - Janus Hnc		3.90%	80.47	—	60.35	8.42	69.13	33.08	177.00	52.19
Vanguard Global Credit Bond Institutiona		3.89%	73.09	—	59.84	9.43	72.07	19.25	157.17	54.52
HSBC Global Corporate Bond ETF S2CHG		3.86%	70.58	—	60.76	9.24	70.61	18.70	159.35	50.60
Neuberger Berman Uncorrelated Strategi		3.85%	95.24	—	62.95	8.86	71.98	19.90	171.87	65.32

Definition of metrics		
Low Climate Change Scenario (RCP 2.6) Aggressive mitigation actions to halve emissions by 2050. This scenario is likely to result in warming of less than 2°C by 2100.	Coldwave Sensitivity to the occurrence of periods of extreme cold relative to local climatic conditions, measures based on the Excess Cold Factor.	Sea Level Rise Sensitivity to coastal risk exposure within a river basin.
	Flood Sensitivity to flood risk exposure within a riven basin.	Water Stress Sensitivity to projected future ratio of water withdrawals to total renewable water supply in a given area.
	Heatwave Sensitivity to the occurrence of periods of extreme heat relative to local climatic conditions, measures based on the Excess Heat Factor.	Wildfire Sensitivity to risk of wildfire occurrence by location based modelled area of burnt vegetation.
Medium Climate Change Scenario (RCP 4.5) Strong mitigation actions to reduce emissions to half of current levels by 2080. This scenario is more likely than not to result in warming in excess of 2°C by 2100.	Hurricane Sensitivity representing the historical incidence and severity or strength of hurricane, typhoon or cyclone activity at a given location, weighted in favour of recent events.	
High Climate Change Scenario (RCP 8.5) Continuation of business as usual with emissions at current rates. This scenario is expected to result in warming in excess of 4°C by 2100.		



Climate VaR and Stress Testing

powered by S&P Trucost and Confluence Risk Engine

Portfolio: VT Defensive Portfolio Overlay Fund

31/12/2025

Physical Risks Monitoring

The assessment of physical risks is key as they also (or mostly) result from climate change. Companies are scored 1-100 for each of the key hazard risk types (coldwave, heatwave, floods, wildfire, water stress etc).

The assessment is made available across different climate change scenarios (low, medium, high) and future reference years (2030, 2050).

Generally speaking, a score up to 30 indicates a low physical risk, 30-70 shows a moderate risk exposure, whereas a 70+ score reflects a high exposure to the correspondent physical risk hazard. This applies to both the composite score and the sensitivity weight-adjusted scores and for the underlying individual hazard-level scores.

	Low		Medium		High	
Sensitivity Score	2030	2050	2030	2050	2030	2050
Composite	88.95	88.95	105.62	105.62	74.51	74.51
Coldwave	14.83	14.83	10.43	10.43	59.60	59.60
Flood	14.41	14.41	19.96	19.96	8.86	8.86
Heatwave	95.81	95.81	131.68	131.68	71.93	71.93
Sea Level Rise	7.47	7.47	8.75	8.75	20.23	20.23
Water Stress	130.17	130.17	130.33	130.33	165.47	165.47
Wildfire	25.57	25.57	27.90	27.90	50.06	50.06
Sensitivity Score	2030	2050	2030	2050	2030	2050
Best Scenario	7.47	7.47	8.75	8.75	8.86	8.86
Average Scenario	48.04	48.04	54.84	54.84	62.69	62.69
Worst Scenario	130.17	130.17	131.68	131.68	165.47	165.47

Definition of metrics

Low Climate Change Scenario (RCP 2.6)

Aggressive mitigation actions to halve emissions by 2050. This scenario is likely to result in warming of less than 2°C by 2100.

Medium Climate Change Scenario (RCP 4.5)

Strong mitigation actions to reduce emissions to half of current levels by 2080. This scenario is more likely than not to result in warming in excess of 2°C by 2100.

High Climate Change Scenario (RCP 8.5)

Continuation of business as usual with emissions at current rates. This scenario is expected to result in warming in excess of 4°C by 2100.

Coldwave

Sensitivity to the occurrence of periods of extreme cold relative to local climatic conditions, measures based on the Excess Cold Factor.

Flood

Sensitivity to flood risk exposure within a river basin.

Heatwave

Sensitivity to the occurrence of periods of extreme heat relative to local climatic conditions, measures based on the Excess Heat Factor.

Sea Level Rise

Sensitivity to coastal risk exposure within a river basin.

Water Stress

Sensitivity to projected future ratio of water withdrawals to total renewable water supply in a given area.

Wildfire

Sensitivity to risk of wildfire occurrence by location based modelled area of burnt vegetation.

Transition Risks Monitoring

The assessment of transition risks is strongly connected to carbon earnings at risk. Likewise for physical risks, this is made available across different carbon price change scenarios (low, medium, high) and future reference years (2030, 2050).

Generally speaking, 10% carbon earning risk (either EBIT or EBITDA based) may be considered the significant threshold above which clients may decide how much incremental exposure they would like to take in terms of transition risks.

	Low		Medium		High		
Earnings at Risk	2030	2050	2030	2050	2030	2050	
Reduction of EBIT Margin	-7.45	-7.45	-12.64	-12.64	-16.40	-16.40	
Reduction of EBITDA Margin	-7.45	-7.45	-12.64	-12.64	-16.40	-16.40	
Unpriced Carbon Cost adj. EBIT	65.77	65.77	60.59	60.59	56.83	56.83	
Unpriced Carbon Cost adj. EBITDA	99.24	99.24	94.04	94.04	90.29	90.29	
Unpriced Carbon Cost % EBIT	204.67	204.67	393.22	393.22	481.89	481.89	
Unpriced Carbon Cost % EBITDA	60.19	60.19	82.19	82.19	99.20	99.20	
Definition of metrics							
Reduction of EBIT/EBITDA margins	Unpriced carbon cost adjusted EBIT/EBITDA margin		Unpriced carbon cost as % of EBIT/EBITDA				
It reflects the implied change in earnings margins due to unpriced carbon cost under the specified carbon price scenario.	It reflects the earnings margin adjusted by unpriced carbon cost under the correspondent carbon price scenario and time horizon.		It reflects the unpriced carbon cost as % of earnings under the correspondent carbon price scenario and time horizon.				
It is expressed in % point changes to the company's original EBIT or EBITDA margin and it represents the implementation of policies that are considered sufficient to reduce greenhouse gas emissions in line with the Paris Agreement, whose goal is limiting climate change to 2°C by 2100 (high scenario), or sooner than 2100 but with action delayed in the short term (medium scenario), or rather fully implemented in the short term (low).							

Climate Adjusted Market Risk Monitoring

The Climate Adjusted Market Risk provides forecasts of the potential climate-stressed market risk valuation. The assessment takes into consideration the market risk as well as the forward looking downsides associated to physical and transition risks.

Confluence have decided to approach Climate Adjusted VaR = Market Risk + β * Physical Risk + Transition Risk.

	1 Day	1 Week	1 Month	3 Months	1 Year	Climate VaR Projection 1 Year	Climate VaR Projection 1 Month
Market Risk Only	0.75	1.68	3.35	5.81	11.86	11.86	3.35
+ Low Physical Risk	1.50	3.35	6.70	11.60	23.77	14.49	4.09
+ Medium Physical Risk	1.78	3.98	7.95	13.77	28.23	14.98	4.23
+ High Physical Risk	1.25	2.81	5.61	9.72	19.91	14.06	3.97
+ Best Scenario	0.14	0.31	0.63	1.09	2.23	12.10	3.42
+ Average Scenario	0.93	2.08	4.16	7.20	14.75	13.49	3.81
+ Worst Scenario	2.40	5.36	10.72	18.58	38.07	16.07	4.54
+ Transition Risk (based on EBIT)	-0.20	-0.46	-0.92	-1.59	-3.25	15.11	4.27
+ Transition Risk (based on EBITDA)	-0.20	-0.46	-0.92	-1.59	-3.25	15.11	4.27
+ EIOPA Climate Stress Test 2022	-0.89	-1.99	-3.97	-6.88	-14.09	13.42	3.79
TOTAL Climate Adjusted Market Risk (A+coeff*B+C)		---	---	---	---	19.32	5.46

Definition of metrics

Market Risk (A)

It represent the Value at Risk typically computed for Risk or Compliance purposes and usually regulated under the Ucits/AIFMD/SEC frameworks, thus based on historical simulation with full repricing.

β (coeff)

This s the average change (rebased according to the stress test in use) generated when shocking the portfolio to a % variation of an index reflecting specific ESG best-in-class strategy. See next section.

e.g. if the stress test shocks the ESG strategy by 10% and the portfolio reacts with 10%, then $\beta=1$ as the portfolio reflects a perfect correlation to the shocked ESG index.

By shocking various ESG strategies and averaging the β results, this would allow users to estimate the potential (de)correlation of the portfolio to any ESG strategy and thus recalibrate the impact of the physical risks accordingly.

Physical Risk (B)

Physical risks are risks to the company that arise from the physical effects of climate change. They include:

- Acute physical risks => they arise from particular events (especially weather-related such as storms, floods, fires or heatwaves) that may damage production facilities and disrupt value chains;
- Chronic Physical risks => they arise from longer-term changes in the climate, such as temperature changes, rising sea levels, reduced water availability, biodiversity loss and changes in land or soil productivity.

By default considers the most conservative approach and makes use of the average of the worst risks across all the 3 scenarios (low – medium – high) and reference year. Stats different from the worst may also be considered.

Transition Risk (C)

Transition risks are instead risks to the company that arise from the transition to a low carbon and climate-resilient economy. They include:

- Policy risks => as a result of energy efficiency requirements, carbon-pricing mechanisms (which increase fossil fuels price), or policies to encourage sustainable land use;
 - Legal risks => the risk of litigation for failing to avoid or minimise adverse impacts on the climate, or failing to adapt to climate change;
 - Technology risks => e.g. if a technology with a less damaging impact on the climate replaces a technology that is more damaging to the climate;
 - Market risks => e.g. if the choices of consumers and business customers shift towards products and services that are less damaging to the climate;
 - Reputational risks => difficulty in attracting or retaining customers, employees, business partners and investors if a company has reputation for damaging the climate.
- By default considers the average of Reduction of EBITDA Margin across all the 3 scenarios (low – medium – high).

Hybrid Approach - Custom Modelling

The Hybrid Approach allows to additionally take in consideration also the ex-ante (de)correlation of the portfolio investments against a number of specific indices built based on ESG environmental and/or climate driven strategies.

	Stress Test Value Change %	Shock %	Ex-Ante Beta	Coeff	Min Coeff	Max Coeff
ECPI Global Clean Energy -10%	-0.73	-10	0.0732	0.1106	0.0692	0.1579
ECPI Global Climate Change -10%	-1.29	-10	0.1293			
ECPI Global ESG Blue Economy -10%	-1.24	-10	0.1237			
ECPI Circular Economy Leaders -10%	-1.01	-10	0.1009			
ECPI Global Blue Gold GD Equity -10%	-1.58	-10	0.1579			
ECPI Global Carbon Liquid -10%	-1.48	-10	0.1483			
ECPI Global Eco Real Estate & Building Liquid -10%	-1.01	-10	0.1010			
ECPI Global ESG Hydrogen Economy -10%	-0.69	-10	0.0692			
ECPI Global Renewable Energy Liquid -10%	-1.19	-10	0.1188			
ECPI China Consumption Tradable Equity -10%	-0.84	-10	0.0839			