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ESG Risk Report

The following report provides an assessment of the ESG risk exposures adherent to the respective portfolio composition. The report outlines the risk associated to all the Environmental, Social and Corporate Governance factors that can provide both risks and opportunities and, in turn, contribute to the investment decision making process.

Report Date: 19/02/2021

Portfolio Name: ESG Global

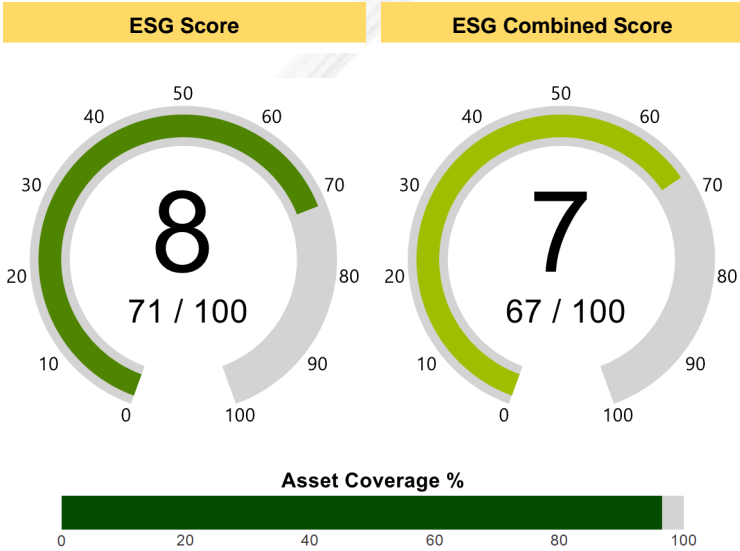




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Summary

This page provides a general overview of the portfolio's ESG status across various dimensions. Portfolio level ESG coverage, ESG score and combined score are displayed, as well as CO2 equivalents. Social norms and controversy-related issues are reported according to traffic light scheme. Impact of controversies, which translate the ESG score into the ESG combined score, is also presented for the 5 most affected companies in the portfolio. Finally, the presence of environmental and social impact themes is reported.



Social Norms And Controversies Summary

Social Norms		Controversies	
	Agrochemical		Community
	Alcohol		Human Rights
	Armaments		Management
	Gambling		Product Responsibility
	Nuclear		Resource Use
	Pornography		Shareholders
	Tobacco		Workforce

CO2 Equivalent Emissions Summary

	CO2 (kt)
Total	98,344
Scope 1	66,512
Scope 2	29,466

Environmental And Social Impact Summary

Theme	Positions	Weight
Clean Technology	14	27.09%
Green Bond	6	8.92%
Water	3	5.67%
Renewable Energy	2	4.81%
Animal Testing	3	3.76%
Social Bond	1	1.52%
Fossil Fuel	1	1.37%

Top 5 Companies Controversy Impact

Company	Weight	Impact
APPLE INC.	1.33%	7 → 4
Siemens Aktiengesellschaft	3.66%	9 → 6
VEOLIA ENVIRONNEMENT SA	2.63%	9 → 6
SUEZ SA	2.32%	8 → 5
BRISTOL-MYERS SQUIBB COMPANY	1.08%	8 → 6


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ESG Allocation

This page provides the portfolio's allocation breakdown across all ESG scores and combined scores, as well as the 5 companies with the highest (leaders) and lowest (laggards) ESG score.

Portfolio Allocation Summary

Score	ESG	ESG Combined
10	3.55%	1.18%
9	11.88%	5.60%
8	45.50%	42.51%
7	19.34%	19.97%
6	10.76%	18.12%
5	5.47%	7.79%
4	0.00%	1.33%
3	0.00%	0.00%
2	0.00%	0.00%
1	0.00%	0.00%
NR	3.50%	3.50%

Top 5 ESG (Leaders)

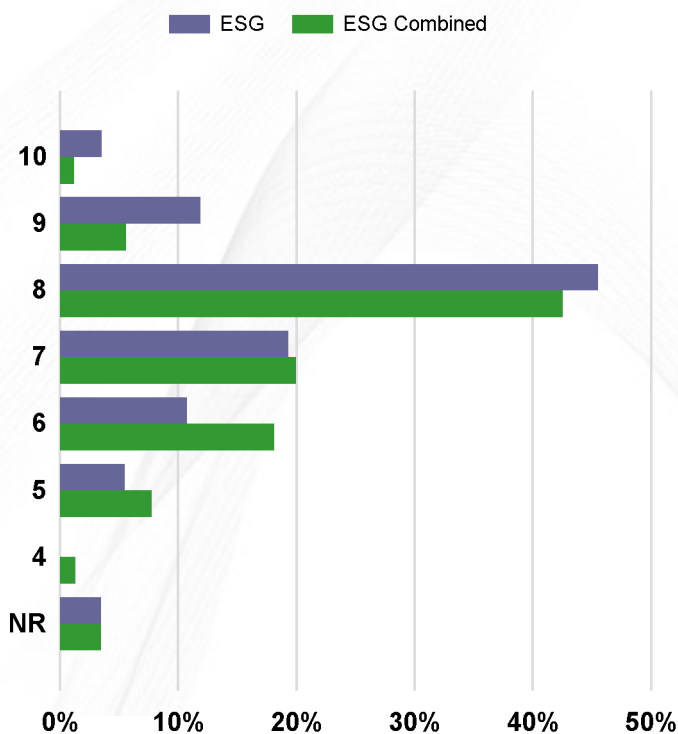
Company	Weight	ESG Score
SAP SE	2.36%	10
Alfa Laval AB	1.18%	10
Siemens Aktiengesellschaft	3.66%	9
Stora Enso Oyj	1.79%	9
FLEX LTD.	2.32%	9

Bottom 5 ESG (Laggards)

Company	Weight	ESG Score
ams AG	2.06%	5
CLEAN HARBORS, INC.	1.51%	5
Mayr-Melnhof Karton Aktiengesellschaft	1.90%	5
AKAMAI TECHNOLOGIES, INC.	1.62%	6
ANSYS, INC.	2.82%	6

Top 5 (Weight)

Company	Weight	ESG Score
APPLIED MATERIALS, INC.	5.32%	8
Siemens Aktiengesellschaft	3.66%	9
FIRST SOLAR, INC.	3.03%	8
TRANE TECHNOLOGIES PLC	2.97%	8
VESTAS WIND SYSTEMS A/S	2.94%	8





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Sector / Country Allocation

This page provides a breakdown of the portfolio's allocation across two dimensions at the same time: business sector and ESG scores; country of risk and ESG scores.

ESG Sector Allocation

Sector	Score	Weight	ESG Score										NR
			10	9	8	7	6	5	4	3	2	1	
Technology	7 (69 / 100)	26.1%	2.4%	2.3%	8.3%	4.2%	6.9%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Industrials	8 (71 / 100)	26.0%	1.2%	0.0%	12.4%	10.9%	0.0%	1.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Utilities	8 (75 / 100)	9.3%	0.0%	2.6%	6.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Basic Materials	7 (67 / 100)	8.8%	0.0%	1.8%	3.4%	0.0%	1.7%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%
Energy	8 (75 / 100)	7.7%	0.0%	0.0%	7.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Healthcare	7 (67 / 100)	7.1%	0.0%	0.0%	3.3%	0.0%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	1.7%
Consumer Non-Cyclicals	9 (86 / 100)	5.1%	0.0%	5.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Financials	7 (69 / 100)	4.3%	0.0%	0.0%	2.0%	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Consumer Cyclical	8 (73 / 100)	3.8%	0.0%	0.0%	1.9%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other	NR	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%

ESG Country Allocation

Country	Score	Weight	ESG Score										NR
			10	9	8	7	6	5	4	3	2	1	
United States of America	7 (68 / 100)	38.5%	0.0%	0.0%	18.7%	7.5%	9.0%	1.5%	0.0%	0.0%	0.0%	0.0%	1.7%
France	8 (75 / 100)	14.9%	0.0%	4.1%	6.8%	4.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Germany	9 (86 / 100)	10.8%	2.4%	3.7%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%
Austria	6 (52 / 100)	5.7%	0.0%	0.0%	1.8%	0.0%	0.0%	4.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Denmark	8 (75 / 100)	5.5%	0.0%	0.0%	5.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Finland	8 (77 / 100)	5.4%	0.0%	1.8%	3.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Italy	7 (68 / 100)	4.7%	0.0%	0.0%	2.3%	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sweden	8 (73 / 100)	3.8%	1.2%	0.0%	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Singapore	9 (85 / 100)	2.3%	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Netherlands	8 (76 / 100)	2.0%	0.0%	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
United Kingdom	8 (77 / 100)	1.9%	0.0%	0.0%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Brazil	6 (57 / 100)	1.7%	0.0%	0.0%	0.0%	0.0%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Norway	7 (64 / 100)	1.7%	0.0%	0.0%	0.0%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Switzerland	7 (69 / 100)	1.2%	0.0%	0.0%	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%



ESG Pillars



This page provides a visual representation of the hierarchical relationships that build up the ESG Score: each of the 3 pillars (E, S and G) is made of sub categories that have a specific weight.

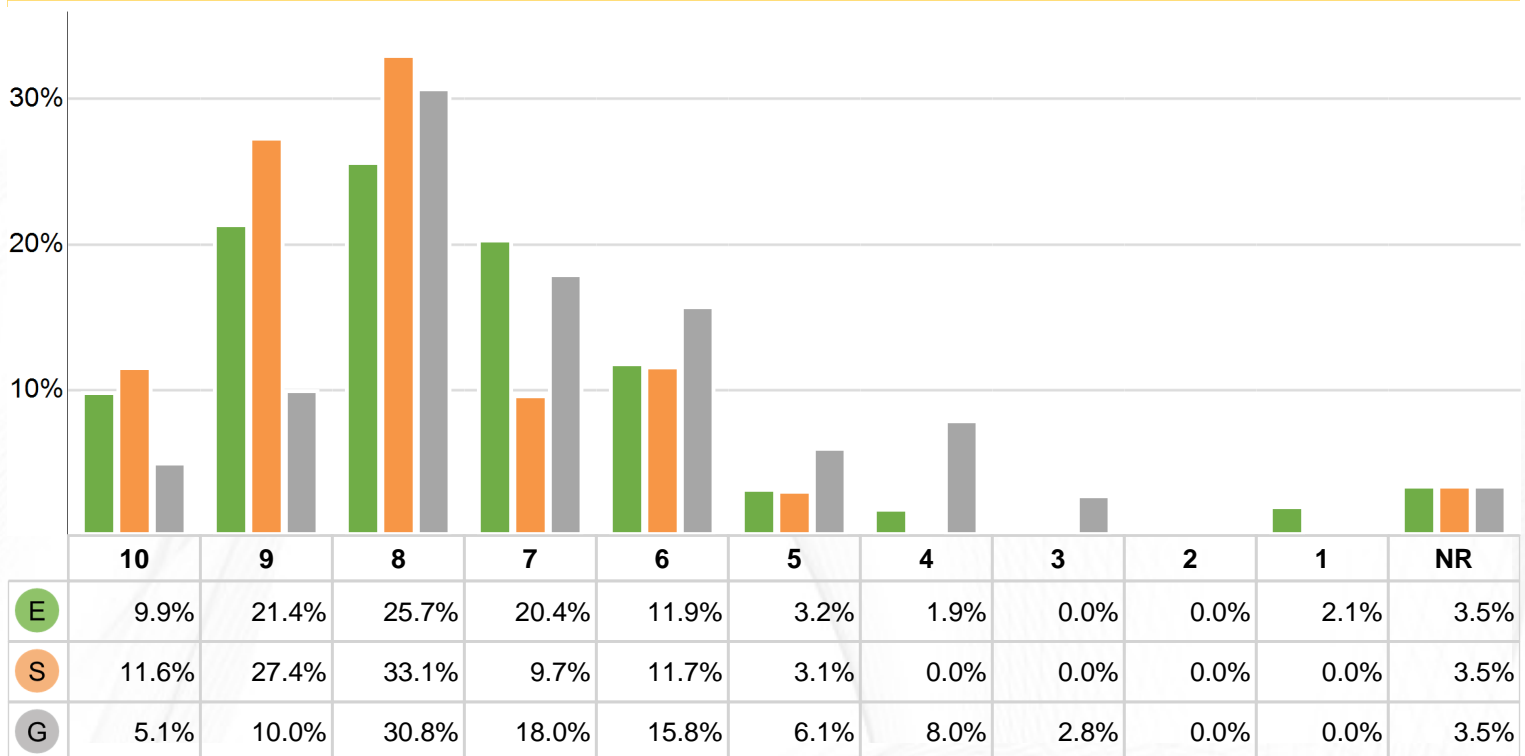
ESG Pillar Score

Pillar	Score	Weight
Environmental	8 (73 / 100)	29.71%
> Innovation	7 (61 / 100)	11.13%
> Resource Use	9 (81 / 100)	9.30%
> Emissions	8 (79 / 100)	9.28%
Social	8 (76 / 100)	39.25%
> Human Rights	8 (76 / 100)	10.77%
> Community	8 (79 / 100)	10.35%
> Workforce	8 (78 / 100)	9.64%
> Product Responsibility	7 (69 / 100)	8.49%
Governance	7 (65 / 100)	31.04%
> Management	7 (66 / 100)	20.70%
> Shareholders	6 (59 / 100)	6.21%
> CSR Strategy	7 (67 / 100)	4.14%

ESG Pillar Weights



ESG Pillar Allocation





Environment



This page provides a more detailed analysis of the portfolio exposures within the space of the environmental pillar. The 5 companies with the highest (leaders) and lowest (laggards) environmental pillar score are presented, as well as the top 5 companies with the highest level of CO2 emissions. The information is completed by an overview of the CO2 equivalent emissions per business sector.

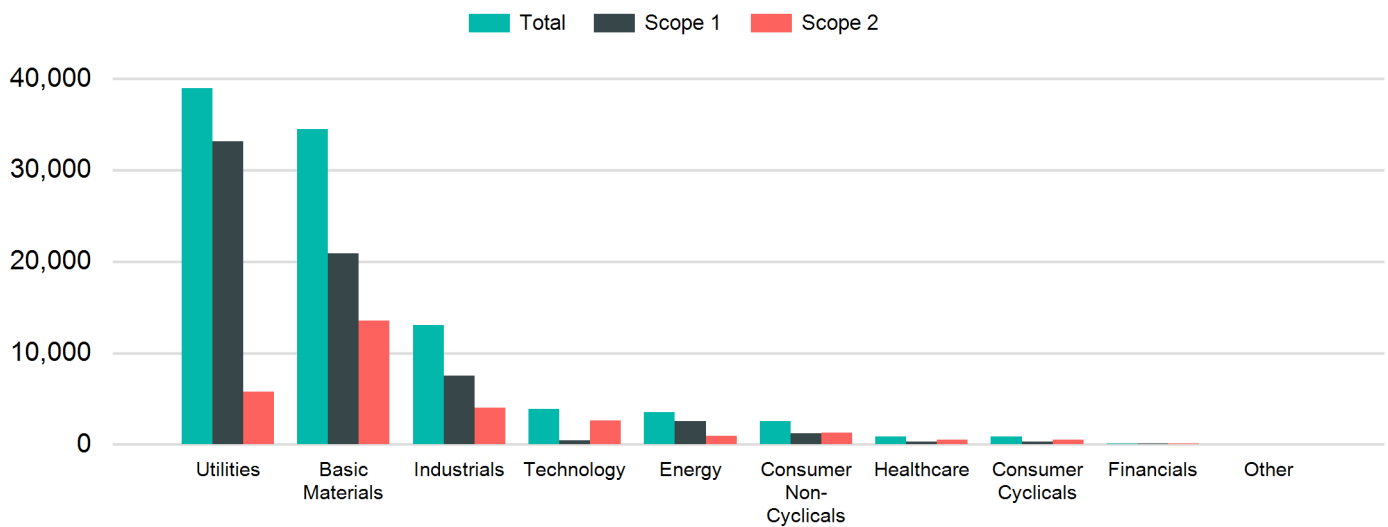
Top 5 Environment (Leaders)

Company	Weight	Score
VERBUND AG	1.78%	10
Stora Enso Oyj	1.79%	10
DANONE SA	1.49%	10
Alfa Laval AB	1.18%	10
Siemens Aktiengesellschaft	3.66%	10

Bottom 5 Environment (Laggards)

Company	Weight	Score
ams AG	2.06%	1
Mayr-Melnhof Karton Aktiengesellschaft	1.90%	4
SUZANO S.A.	1.72%	5
CLEAN HARBORS, INC.	1.51%	5
ROPER TECHNOLOGIES, INC.	2.85%	6

Sector CO2 Equivalent Emissions (kt)



Top 5 Biggest CO2 Emissioners

Company	Weight Sector	CO2 (kt)
VEOLIA ENVIRONNEMENT SA	2.63% Utilities	> 10000
L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE SA	1.51% Basic Materials	> 10000
SUEZ SA	2.32% Industrials	> 1000
IREN S.P.A.	2.32% Utilities	> 1000
Stora Enso Oyj	1.79% Basic Materials	> 1000



Social

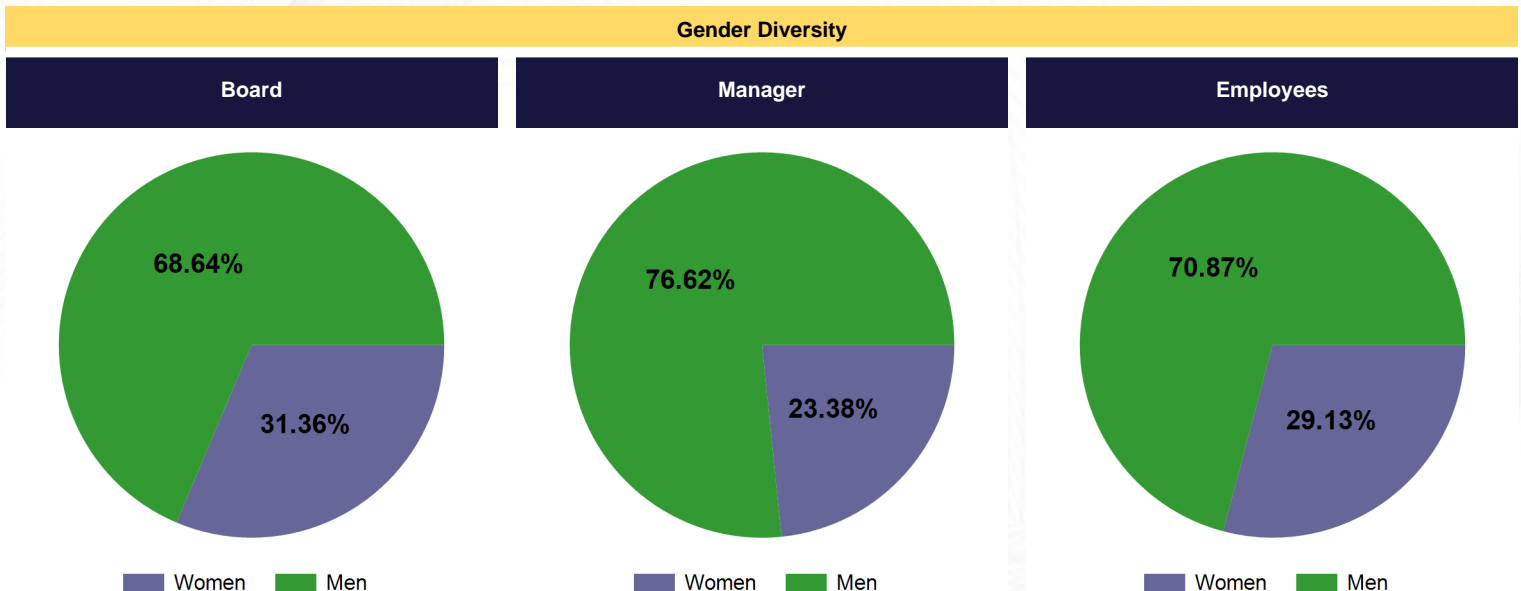


This page provides a more detailed analysis of the portfolio exposures within the space of the social pillar. The 5 companies with the highest (leaders) and lowest (laggards) social pillar score are presented, as well as the top 5 companies with the highest involvement in social norms breaches.

Top 5 Social (Leaders)		
Company	Weight	Score
SAP SE	2.36%	10
TRANE TECHNOLOGIES PLC	2.97%	10
VEOLIA ENVIRONNEMENT SA	2.63%	10
Stora Enso Oyj	1.79%	10
PEARSON PLC	1.88%	10

Bottom 5 Social (Laggards)		
Company	Weight	Score
AKAMAI TECHNOLOGIES, INC.	1.62%	5
CLEAN HARBORS, INC.	1.51%	5
Mayr-Melnhof Karton Aktiengesellschaft	1.90%	6
ROPER TECHNOLOGIES, INC.	2.85%	6
IREN S.P.A.	2.32%	6

Top 5 Social Norms Breach								
Company	Weight	Agrochemical	Alcohol	Armaments	Gambling	Nuclear	Pornography	Tobacco
Siemens Aktiengesellschaft	3.65%							
ANSYS, INC.	2.82%							
FLEX LTD.	2.32%							
CUMMINS INC.	1.94%							
Stora Enso Oyj	1.79%							





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SDG Goals

This page provides an overview of the portfolio's standing in terms of adherence and support to the 17 Sustainable Development Goals designed by the United Nations (<https://sdgs.un.org/goals>).



SUSTAINABLE DEVELOPMENT GOALS

<p>1 NO POVERTY</p>  <p>End poverty in all its forms everywhere</p> <p>16.39%</p>	<p>2 ZERO HUNGER</p>  <p>End hunger, achieve food security and improved nutrition and promote agriculture</p> <p>14.05%</p>	<p>3 GOOD HEALTH AND WELL-BEING</p>  <p>Ensure healthy lives and promote well-being for all at all ages</p> <p>43.29%</p>	<p>4 QUALITY EDUCATION</p>  <p>Ensure inclusive & equitable quality education and promote lifelong learning opportunities</p> <p>46.74%</p>	<p>5 GENDER EQUALITY</p>  <p>Achieve gender equality and empower all women and girls</p> <p>42.48%</p>
<p>6 CLEAN WATER AND SANITATION</p>  <p>Ensure availability and sustainable management of water and sanitation for all</p> <p>39.92%</p>	<p>7 AFFORDABLE AND CLEAN ENERGY</p>  <p>Ensure access to affordable, reliable, sustainable and modern energy for all</p> <p>50.51%</p>	<p>8 DECENT WORK AND ECONOMIC GROWTH</p>  <p>Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all</p> <p>50.33%</p>	<p>9 INDUSTRY, INNOVATION AND INFRASTRUCTURE</p>  <p>Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation</p> <p>44.45%</p>	<p>10 REDUCED INEQUALITIES</p>  <p>Reduce inequality within and among countries</p> <p>23.23%</p>
<p>11 SUSTAINABLE CITIES AND COMMUNITIES</p>  <p>Make cities and Human settlements inclusive, safe, resilient and sustainable</p> <p>32.40%</p>	<p>12 RESPONSIBLE CONSUMPTION AND PRODUCTION</p>  <p>Ensure sustainable consumption and production patterns</p> <p>55.48%</p>	<p>13 CLIMATE ACTION</p>  <p>Take urgent action to combat climate change and its impacts.</p> <p>54.39%</p>	<p>14 LIFE BELOW WATER</p>  <p>Conserve and sustainably use the oceans, seas and marine resources for sustainable development.</p> <p>21.14%</p>	<p>15 LIFE ON LAND</p>  <p>Protect, restore and promote sustainable use of terrestrial eco-systems, sustainably manage forests, combat desertification.</p> <p>24.42%</p>
<p>16 PEACE, JUSTICE AND STRONG INSTITUTIONS</p>  <p>Promote peaceful and inclusive societies for sustainable development, provide access to justice for all.</p> <p>31.79%</p>	<p>17 PARTNERSHIPS FOR THE GOALS</p>  <p>Strengthen the means of implementation and revitalize the global partnership for sustainable development.</p> <p>34.64%</p>			


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Sourcing of ESG Data

At Arkus Financial Services, we have elected to partner with Refinitiv, a leading data provider in financial services, to deliver best-in-class, reliable data and analytics on Environmental, Social, and Governance (ESG) factors, with the promise to effectively supply meaningful portfolio reports and monitoring to our clients on ESG risks surrounding their respective portfolios.

We have chosen to partner with Refinitiv because they offer one of the most comprehensive ESG databases in the industry, covering over 70% of the global market cap, across more than 450 different ESG metrics, with a history dating back to 2002. Among many other beneficial features, the Refinitiv platform assures a high degree of practicality when integrating the relevant data into third-party models, automatically processing the ESG data and scores with ease into the system. Thus, enabling a quick turn-around for Arkus to factor the coherent ESG risks for an asset managers' portfolio, the resultant reports and portfolio risk analyses will be displayed through our risk monitoring platform, Risk Radar.

However, Arkus' system also provides the framework to integrate ESG data from other data providers.

About us

Since 2003 we have made it our goal to provide asset managers across Europe with flexible, independent and cost-effective investment risk management solutions. We have developed unique risk monitoring and data management skills that enable us to create efficient, high-quality investment risk management reports for a range of investment vehicles and fund structures.

Risk as a Service

Our risk service offering is NOT based on the traditional model of purchased software. Our clients don't have to invest in technology, hire additional staff or manage the strenuous data management process. Arkus integrates all these moving parts into one service offering, allowing our clients to focus on their core business. Our dedication to quality and service has enabled us to support investment risk functions for major financial institutions across Europe.

Independent and Flexible Risk Management

During uncertain times, it is particularly important for investment managers to have a high quality, efficient, and cost-effective independent risk management function. We specialize in independent risk management, which means that we have a deep and up to date understanding of the regulatory pressures, demands, and restrictions.

Disclaimer

This report belongs exclusively to Arkus Financial Services, Luxembourg (together with "Independent Risk Monitoring Limited"). The document is intended solely to provide information about the business of Arkus Financial Services and its ESG risk solution offering. The document and its content may only be used by the intended person or company to which it has been distributed by Arkus Financial Services. Without exception, the document and its content should not be copied, used by, distributed or made available to any other person or company besides the intended person and/or company. Arkus Financial Services takes all reasonable care to ensure the correctness and accuracy of the information disclosed in the document, at the time of distribution.

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