MARCARD, STE	IN & CO
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# Explanation of the principal adverse impacts of investment decisions on sustainability factors

Financial market participant: Marcard, Stein & Co AG, LEI: 529900CK14SGH0EXOB27

#### Summary

Marcard, Stein & Co AG (LEI: 529900CK14SGH0EXOB27) considers the principal adverse impacts of its investment decisions on sustainability factors. This statement is the consolidated statement on the principal adverse impacts on sustainability factors from Marcard, Stein & Co AG (hereinafter referred to as MSC). This statement on the principal adverse impacts on sustainability factors relates to the reference period from January 01, 2022 to December 31, 2022.

The principal adverse impacts on sustainability factors, also known as PAIs, are taken into account in the investment process through MSC's minimum standards. The consideration of the respective PAI characteristics varies. Consideration can take the form of an exclusion, where issuers with poor PAI expressions become non-investable, or a focus of conversation in engagement discussions.

Description of key a	adverse impacts on sustainab	ility factors.			
	Indicators	s for investments in comp	oanies in which in	vestments are made	
Sustainability indicator for adverse impacts Measured variable Impact 2022 Explanation Measures taken and targ planned for the next reference period					
	CLIMATE IN	IDICATORS AND OTHER	ENVIRONMENT-F	RELATED INDICATORS	
Greenhouse gas emissions	1. GHG emissions	Scope 1 greenhouse gas emissions	7.577,86	The impact of the indicator relates to all companies in which investments are made directly (via bonds or shares) or indirectly (via funds or ETFs) as part of asset management and for which the necessary data are available. For the calculation, the	Investments in companies with high greenhouse gas emissions under Scope 1, Scope 2 and Scope 3 are indirectly restricted by defining revenue limits for companies related to thermal coal. The revenue limits for thermal coal-related companies are as follows. For all portfolios administered and managed by MSC, investments in companies

respective company in
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		was formed for all	
		companies. The data	
		coverage for this	
		indicator is 85%.	
Scope 3 greenhouse	65.916,19	The impact of the	
gas emissions		indicator relates to all	
		companies in which	
		investments are made	
		directly (via bonds or	
		shares) or indirectly (via	
		funds or ETFs) as part of	
		asset management and	
		for which the necessary	
		data are available. For	
		the calculation, the	
		respective value of the	
		investment was set in	
		relation to the company	
		value (incl. liquidity),	
		multiplied by the Scope	
		3 greenhouse gas	
		emissions of the	
		respective company in	
		tons and then the sum	
		was formed for all	
		companies. The data	
		coverage for this	
		indicator is 85%.	
Total GHG emissions	75.554,86	The impact of the	
Total Of 10 emissions	7 3.334,00	indicator relates to all	
		companies in which	
		investments are made	
		directly (via bonds or	

			shares) or indirectly (via funds or ETFs) as part of asset management and for which the necessary data are available. For the calculation, the respective value of the investment was set in relation to the company value (incl. liquidity), multiplied by the Scope 1-2-3 greenhouse gas emissions of the respective company in tons and then the sum was calculated for all companies. The data coverage for this indicator is 85%.	
2. CO <sub>2</sub> footprint	CO <sub>2</sub> footprint	251,27	The impact of the indicator refers to all investments (including investments in other asset classes as well as investments for which no data are available) within the scope of asset management. For the calculation, the aforementioned total value of greenhouse gas emissions was set in relation to the value of all	Investments in companies with a high CO <sub>2</sub> footprint are indirectly restricted by defining revenue limits for companies related to thermal coal. The revenue limits for companies related to thermal coal are as follows. For all portfolios administered and managed by MSC, investments in companies with more than 5 percent of revenues from thermal coal mining and more than 30 percent from thermal coal energy generation will be prohibited. The

investments (including investments in other asset classes as well as investments for which no data are available) within the scope of asset management. The data coverage for this indicator is 85%.  3. GHG emission intensity of the companies in which investments are made  3. GHG emission intensity of the companies in which investments are made  3. GHG emission intensity of the companies in which investments are made  467,51  The impact of the indicator refers to all investments (including investments in other asset classes as well as investments for which no data are available) within asset management. For the calculation, the respective value of the investments in companies with more than 5 percent of revenues was set in relation to the value of all investments in other asset classes as well as investments in companies with a finite calculation, the respective value of the investment in companies with more than 5 percent of revenues from thermal coal ining and more than 30 percent from thermal coal energy generation will be prohibited. The revenue						
asset classes as well as investments for which no data are available) within the scope of asset management. The data coverage for this indicator is 85%.  3. GHG emission intensity of the companies in which investments are made  Group's ESG committee. Furthermore, companies with serious greenhouse gas emissions controversies are excluded. Engagement discussions take place on an ad hoc basis and are not subject to a rotational rhythm.  The impact of the indicator refers to all investments in other asset classes as well as investments for which no data are available) within asset management. For the calculation, the respective value of the investment in companies was set in relation to the value of all investments in companies with more than 5 percent of revenues from thermal coal energy generation					`	
investments for which no data are available) within the scope of asset management. The data coverage for this indicator is 85%.  3. GHG emission intensity of the companies in which investments are made  GHG emission intensity of the companies in which investments are made  GHG emission intensity of the companies in which investments are made  GHG emission intensity of the companies in which investments are made  GHG emission intensity of the companies in which investments are made  GHG emission intensity of the companies in which investments are made  GHG emission intensity of the indicator refers to all investments in other asset classes as well as investments for which no data are available) within asset management. For all portfolios administered and managed by MSC, investments in companies with more than 5 percent of revenues was set in relation to the value of all investments in thermal coal mining and more than 30 percent from thermal coal energy generation the more than 30 percent from thermal coal energy generation						. , ,
data are available) within the scope of asset management. The data coverage for this coverage for this of the companies in which investments are made  3. GHG emission intensity of the companies in which investments are made  3. GHG emission intensity of the companies in which investments are made  467,51  The impact of the indicator refers to all investments (including investments in other asset classes as well as investments for which no data are available) within asset management. For the calculation, the respective value of the investment in companies was set in relation to the value of all investments in thermal coal energy generation  data are available) within the scope of asset management. The data coverage for this discussions take place on an ad hoc basis and are not subject to a rotational rhythm.  Investments in companies related to thermal coal. The revenue limits for companies related to thermal coal. The revenue limits for thermal coal more than 5 percent of revenues from thermal coal mining and more than 30 percent from thermal coal energy generation						•
the scope of asset management. The data coverage for this indicator is 85%.  3. GHG emission intensity of the companies in which investments are made  3. GHG emission intensity of the companies in which investments are made  3. GHG emission intensity of the companies in which investments are made  467,51  The impact of the indicator refers to all investments in other asset classes as well as investments for which no data are available) within asset management. For the calculation, the respective value of the investment in companies was set in relation to the value of all investments in thermal coal managed by MSC, investments in companies was set in relation to the value of all investments in thermal coal energy generation thermal coal energy generation					investments for which no	Furthermore, companies with
management. The data coverage for this indicator is 85%.  3. GHG emission intensity of the companies in which investments are made  3. GHG emission intensity of the companies in which investments are made  3. GHG emission intensity of the companies in which investments are made  467,51  The impact of the indicator refers to all investments (including investments in other asset classes as well as investments for which no data are available) within asset management. For the calculation, the respective value of the investment in companies was set in relation to the value of all investments in companies with a high GHG emission intensity are indirectly restricted by defining revenue limits for companies related to thermal coal. The revenue limits for thermal coal-related companies are as follows. For all portfolios administered and managed by MSC, investments in companies with a high GHG emission intensity are indirectly restricted by defining revenue limits for thermal coal-related companies are as follows. For all portfolios administered and managed by MSC, investments in companies with a high GHG emission intensity are indirectly restricted by defining revenue limits for thermal coal-related companies are as follows. For all portfolios administered and managed by MSC, investments in companies with a high GHG emission intensity are indirectly restricted by defining revenue limits for the revenue limits for thermal coal-related companies are as follows. For all portfolios administered and managed by MSC, investments in companies with a high GHG emission intensity are indirectly restricted by defining revenue limits for the revenue limits for companies are as follows.					data are available) within	serious greenhouse gas
3. GHG emission intensity of the companies in which investments are made  GHG emission intensity of the companies in which investments are made  GHG emission intensity of the companies in which investments are made  GHG emission intensity of the companies in which investments are made  GHG emission intensity of the companies in which investments are made  GHG emission intensity of the companies in which investments in other asset classes as well as investments for which no data are available) within asset management. For the calculation, the respective value of the investment in companies was set in relation to the value of all investments in thermal coal mining and more than 30 percent from thermal coal energy generation					the scope of asset	emissions controversies are
3. GHG emission intensity of the companies in which investments are made  GHG emission intensity of the companies in which investments are made  GHG emission intensity of the companies in which investments are made  GHG emission intensity of the companies in which investments are made  The impact of the indicator refers to all investments (including investments in other asset classes as well as investments for which no data are available) within asset management. For the calculation, the respective value of the investment in companies was set in relation to the value of all investments in ompanies was set in relation to the value of all investments in the more than 30 percent from thermal coal energy generation					management. The data	excluded. Engagement
3. GHG emission intensity of the companies in which investments are made  GHG emission intensity of the companies in which investments are made  GHG emission intensity of the companies in which investments are made  The impact of the indicator refers to all investments (including investments in other asset classes as well as investments for which no data are available) within asset management. For the calculation, the respective value of the investment in companies was set in relation to the value of all investments in thermal coal mining and more than 30 percent from thermal coal energy generation					coverage for this	discussions take place on an ad
3. GHG emission intensity of the companies in which investments are made  GHG emission intensity of the companies in which investments are made  GHG emission intensity of the companies in which investments are made  GHG emission intensity of the companies in which investments are made  GHG emission intensity of the companies in which investments are made  The impact of the indicator refers to all investments (including investments in other asset classes as well as investments for which no data are available) within asset management. For the calculation, the respective value of the investment in companies with a high GHG emission intensity are indirectly restricted by defining revenue limits for companies related to thermal coal. The revenue limits for thermal coal-related companies are as follows. For all portfolios administered and managed by MSC, investments in companies with a high GHG emission intensity are indirectly restricted by defining revenue limits for companies related to thermal coal. The respective value of the investment in companies with a high GHG emission intensity are indirectly restricted by defining revenue limits for companies related to thermal coal. The revenue limits for thermal coal related companies are as follows. For all portfolios administered and managed by MSC, investments in companies with a high GHG emission intensity are indirectly restricted by defining revenue limits for companies related to thermal coal. The revenue limits for thermal coal related companies are as follows. For all portfolios administered and the investments in companies with a high GHG emission intensity are indirectly restricted by defining revenue limits for companies related to thermal coal related to thermal coal related to thermal coal related to the investments in other asset classes as well as investments in other asset					indicator is 85%.	hoc basis and are not subject to
of the companies in which investments are made  of the companies in which investments in other asset classes as well as investments for which no data are available) within asset management. For the calculation, the respective value of the investment in companies was set in relation to the value of all investments in tindirectly restricted by defining revenue limits for companies related to thermal coal. The revenue limits for thermal coal-related companies are as follows. For all portfolios administered and managed by MSC, investments in companies with more than 5 percent of revenues from thermal coal mining and more than 30 percent from thermal coal energy generation						a rotational rhythm.
which investments are made  investments (including investments in other asset classes as well as investments for which no data are available) within asset management. For the calculation, the respective value of the investment in companies was set in relation to the value of all investments in  which investments are investments (including investments in indirectly restricted by defining revenue limits for companies related to thermal coal. The revenue limits for thermal coal-related companies are as follows. For all portfolios administered and managed by MSC, investments in companies with more than 5 percent of revenues from thermal coal mining and more than 30 percent from thermal coal energy generation	[]	3. GHG emission intensity	GHG emission intensity	467,51	The impact of the	Investments in companies with a
which investments are made  investments (including investments in other asset classes as well as investments for which no data are available) within asset management. For the calculation, the respective value of the investment in companies was set in relation to the value of all investments in  which investments are investments (including investments in other asset classes as well as investments. For all portfolios administered and managed by MSC, investments in companies with more than 5 percent of revenues from thermal coal mining and more than 30 percent from thermal coal energy generation			of the companies in		indicator refers to all	high GHG emission intensity are
asset classes as well as investments for which no data are available) within asset management. For the calculation, the respective value of the investment in companies was set in relation to the value of all investments in control the value of all investments in control the value of all investments in control the value of all investments in thermal coal energy generation			which investments are		investments (including	indirectly restricted by defining
investments for which no data are available) within asset management. For the calculation, the respective value of the investment in companies was set in relation to the value of all investments (including investments in thermal coal energy generation		made	made		investments in other	revenue limits for companies
data are available) within asset management. For the calculation, the respective value of the investment in companies was set in relation to the value of all investments in companies in thermal coal energy generation  data are available) within asset management. For the calculation, the respective value of the investment in companies with more than 5 percent of revenues from thermal coal mining and more than 30 percent from thermal coal energy generation					asset classes as well as	related to thermal coal. The
asset management. For the calculation, the respective value of the investment in companies was set in relation to the value of all investments in companies (including investments in thermal coal energy generation)  For all portfolios administered and managed by MSC, investments in companies with more than 5 percent of revenues from thermal coal mining and more than 30 percent from thermal coal energy generation					investments for which no	revenue limits for thermal coal-
the calculation, the respective value of the investment in companies was set in relation to the value of all investments in conformal coal mining and more than 30 percent from thermal coal energy generation					data are available) within	related companies are as follows.
respective value of the investment in companies with more than 5 percent of revenues was set in relation to the value of all investments value of all investments in companies with more than 5 percent of revenues from thermal coal mining and more than 30 percent from (including investments in thermal coal energy generation)					asset management. For	For all portfolios administered
respective value of the investment in companies with more than 5 percent of revenues was set in relation to the value of all investments value of all investments in companies with more than 5 percent of revenues from thermal coal mining and more than 30 percent from (including investments in thermal coal energy generation)					the calculation, the	and managed by MSC,
was set in relation to the value of all investments in thermal coal mining and more than 30 percent from (including investments in thermal coal energy generation					respective value of the	investments in companies with
was set in relation to the value of all investments (including investments in thermal coal energy generation)					investment in companies	more than 5 percent of revenues
(including investments in thermal coal energy generation					was set in relation to the	from thermal coal mining and
(including investments in thermal coal energy generation					value of all investments	more than 30 percent from
					(including investments in	thermal coal energy generation
Other deservation   Will be profiled. The revenue					other asset classes as	will be prohibited. The revenue
well as investments for restrictions are reviewed at least					well as investments for	restrictions are reviewed at least
which no data are quarterly by the Warburg Group's					which no data are	quarterly by the Warburg Group's
available) within the LSG committee. Furthermore,						
scope of asset companies with serious					,	,
management, multiplied greenhouse gas emissions					I	•
by the ratio of the scope   controversies are excluded.						
1-2-3 greenhouse gas Engagement discussions take						
					emissions of the	

			respective company in tons to the company's turnover in EUR million, and then the sum for all	place on an ad hoc basis and are not subject to a rotational rhythm.
			companies was formed. The data coverage for this indicator is 92%.	
Involvement in companies operating in the fossil fuel sector	Share of investments in companies operating in the fossil fuels sector	11,69%	The impact of the indicator relates to all companies in which investments are made directly (via bonds or shares) or indirectly (via funds or ETFs) as part of asset management and for which the necessary data are available. For the calculation, the sum of all investments in companies active in the fossil fuel sector was set in relation to the sum of all investments in companies (companies for which no data are available are excluded). The data coverage for this indicator is 99%.	Investments in fossil fuel companies are directly restricted by defining revenue limits for thermal coal-related companies. The revenue limits for thermal coal related companies are as follows. For all portfolios administered and managed by MSC, investments in companies with more than 5 percent of revenues from thermal coal mining and more than 30 percent from thermal coal power generation will be prohibited. The revenue restrictions are reviewed at least quarterly by the Warburg Group's ESG committee. Furthermore, companies with serious greenhouse gas emissions controversies are excluded. Engagement discussions take place on an ad hoc basis and are not subject to a rotational rhythm.
<ol><li>Share of energy consumption and</li></ol>	Proportion of energy consumption and	70,04%	The impact of the indicator relates to all	Companies with a high share of energy consumption and

generation from non-	generation of the		companies in which	generation from non-renewable
renewable energy	companies invested in		investments are made	energy sources consequently
sources	from non-renewable		directly (via bonds or	have a high GHG emission
	energy sources		shares) or indirectly (via	intensity (as defined by
	compared to renewable		funds or ETFs) as part of	Delegated Regulation (EU)
	· •		asset management and	2022/1288, Annex I, Formula 3).
	energy sources, expressed as a		for which the necessary	For details on the measures, see
	1 .		data are available. For	PAI 3: GHG emission intensity of
	percentage of total			1
	energy sources.		the calculation, the	the companies in which
			respective value of the	investments are made.
			investment in a company	
			was set in relation to the	
			total value of all	
			investments in	
			companies (companies	
			for which no data are	
			available are excluded),	
			multiplied by the share of	
			the respective energy	
			consumption and energy	
			generation from non-	
			renewable energy	
			sources, and then the	
			sum was formed for all	
			companies. The data	
			coverage for this	
			indicator is 92%.	
6. Intensity of energy	Energy consumption in	3,66	The impact of the	Companies from climate-
consumption by	GWh per EUR 1 million		indicator relates to all	intensive sectors, to which high
climate-intensive	in sales of companies		companies in which	energy consumption is
sectors	invested in, broken		investments are made	attributable, consequently have a
	down by climate-		directly (via bonds or	high GHG emission intensity (as
	intensive sectors		shares) or indirectly (via	defined in Delegated Regulation

Biodiversity	7. Activities that adversely affect areas with biodiversity in need of protection.	Proportion of investments in companies invested in with sites/operations in or near areas of biodiversity in need of protection, where the activities of these companies have a negative impact on these areas	4,87%	funds or ETFs) as part of asset management and for which the necessary data are available. For the calculation, the energy consumption in GWh per one million EUR turnover was determined for all companies from climate-intensive sectors and a weighted average was formed (companies for which no data is available are excluded). The data coverage for this indicator is 90%.  The impact of the indicator relates to all companies in which investments are made directly (via bonds or shares) or indirectly (via funds or ETFs) as part of asset management and for which the necessary data are available. For the calculation, the sum of all investments in companies with locations/operations in or	(EU) 2022/1288, Annex I, Formula 3). For details on the measures, see PAI 3: GHG emission intensity of the companies in which investments are made.  A direct restriction of investments in companies with adverse impacts on biodiversity only takes place within the framework of the MSC Minimum Standards via the exclusion of companies with serious controversies in this area. Engagement discussions take place on an ad hoc basis and are not subject to a rotational rhythm.
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				protection was set in relation to the sum of all investments in companies (companies for which no data are available are excluded). The data coverage for this indicator is 99%.	
Water	8. Emissions in water	Tons of emissions in water caused by the companies invested in per million EUR invested, expressed as a weighted average	176,71t	The impact of the indicator relates to all companies in which investments are made directly (via bonds or shares) or indirectly (via funds or ETFs) as part of asset management and for which the necessary data are available. For the calculation, the respective value of the investment was set in relation to the company value (incl. liquidity), multiplied by the caused emissions in water of the respective company in tons and then the sum was formed for all companies. The data coverage for this indicator is 79%.	A direct restriction of investments in companies with adverse impacts on water only takes place under the MSC Minimum Standards through the exclusion of companies with serious controversies in this area. Engagement discussions take place on an ad hoc basis and are not subject to a rotational rhythm.

Waste	9.	Percentage of hazardous and radioactive waste	Tons of hazardous and radioactive waste generated by the companies invested in per million EUR invested, expressed as a weighted average	2,48t	The impact of the indicator relates to all companies in which investments are made directly (via bonds or shares) or indirectly (via funds or ETFs) as part of asset management and for which the necessary data are available. For the calculation, the respective value of the investment was set in relation to the company value (incl. liquidity), multiplied by the hazardous and radioactive waste generated by the respective company in tons, and then the sum was formed for all companies. The data coverage for this indicator is 94%.	Direct restriction of investment in companies with adverse impacts from waste only takes place under the MSC Minimum Standards through the exclusion of companies with serious controversies in this area. Engagement discussions take place on an ad hoc basis and are not subject to a rotational rhythm.
INDICATORS	IN THE A	REAS OF SOCIAL AFFAI	-	RESPECT FOR H	IUMAN RIGHTS AND THE	FIGHT AGAINST CORRUPTION
Social and employment	10	. Violations of the UNGC Principles and the Organization for Economic Cooperation	Proportion of investments in companies that have been involved in	0,32%	The impact of the indicator relates to all companies in which investments are made	Investments in companies with violations of the UNGC principles and the Organization for Economic Cooperation and

and Development (OECD) Guidelines for Multinational Enterprises.	violations of the UNGC Principles or the OECD Guidelines for Multinational Enterprises.	directly (via bonds or shares) or indirectly (via funds or ETFs) as part of asset management and for which the necessary data are available. For the calculation, the sum of all investments in companies with violations of the UNGC Principles and OECD Guidelines was set in relation to the sum of all investments in companies (companies for which no data is available are excluded). Data coverage for this indicator is 99%. The reported value of 0,32% results from investments in companies of the Volkswagen Group where violations were identified during the year. The investments have since been liquidated.	Development (OECD) Guidelines for Multinational Enterprises are directly restricted by requiring that all portfolios administered and managed by MSC refrain from investing in companies that have very serious corporate controversies that also constitute a violation of the UN Global Compact principles or OECD guidelines. The UN Global Compact (UNGC) principles defined by the United Nations aim to make globalization fair and environmentally and socially responsible. The OECD Guidelines for Multinational Enterprises are a code of conduct for globally responsible corporate action and represent recommendations from governments to business.  This was the case for Volkswagen, for example, in December 2022. Volkswagen was criticized for operating a factory in Urumqi, the capital of the Uyghur Autonomous Region of Xinjiang in the People's Republic of China, together with
			of Xinjiang in the People's

				Chinese regime's treatment of Uyghurs is well known. According to human rights organizations, hundreds of thousands are held in re- education camps there and forced into labor assignments. MSCI ESG Research reassessed Volkswagens rating in light of new evidence and concluded that the present level of risk to minorities led to the determination of the aforementioned critical controversy rating. The ESG Panel of the Warburg Group acknowledged this rating and thereupon initiated the immediate and, in particular, mandatory sale of all Volkswagen holdings.  The investment restrictions are reviewed at least quarterly by the Warburg Group's ESG Panel. Engagement discussions take place on an ad hoc basis and are
44   ask of musesses =	Dercentage of	20 540/	The impact of the	not subject to a rotational rhythm.
11. Lack of processes and compliance mechanisms to monitor	Percentage of investments in	39,54%	The impact of the indicator relates to all	A direct restriction of investments in companies with missing
adherence to the UNGC Principles and the OECD Guidelines for	companies that do not have policies in place to monitor compliance with		companies in which investments are made directly (via bonds or	processes and compliance mechanisms to monitor compliance with the UNGC
CEOD Caldelliles for	the UNGC Principles		equities) or indirectly (via	Principles and the OECD

Multinational	and the OECD		funds or ETFs) as part of	Guidelines only takes place
Enterprises.	Guidelines for		asset management and	within the framework of the MSC
	Multinational		for which the necessary	Minimum Standards via the
	Enterprises or		data are available. For	exclusion of companies with
	procedures in place to		the calculation, the sum	serious controversies in this
	address complaints of		of all investments in	area. Engagement discussions
	non-compliance with		companies with missing	take place on an ad hoc basis
	the UNGC Principles		processes and	and are not subject to a rotational
	and OECD Guidelines		compliance mechanisms	rhythm.
	for Multinational		for monitoring	Tityumii.
	Enterprises.		compliance with the	
	Litterprises.		UNGC Principles and	
			OECD Guidelines was	
			set in relation to the sum	
			of all investments in	
			companies (companies	
			for which no data is	
			available are excluded).	
			Data coverage for this	
			indicator is 99%.	
12. Unadjusted gender pay	Average unadjusted	13,10%	The impact of the	A direct restriction on investment
gap	gender pay gap among		indicator relates to all	in companies with an unadjusted
3 1	investing firms.		companies in which	gender pay gap only takes place
			investments are made	under the MSC Minimum
			directly (via bonds or	Standards through the exclusion
			equities) or indirectly (via	of companies with serious
			funds or ETFs) as part of	controversies in this area.
			asset management and	Engagement discussions take
			for which the necessary	place on an ad hoc basis and are
			data are available. For	not subject to a rotational cycle.
			the calculation, the	, ,,,,,,
			respective value of the	
			investment in a company	

			multiplied by the respective ratio of women to men in management and control bodies, and then the sum was formed for all companies. Data coverage for this indicator is 87%.	
(anti-pers cluster m	investments in companies involved in the manufacture or sale of controversial	0,03%	The impact of the indicator relates to all companies in which investments are made directly (via bonds or shares) or indirectly (via funds or ETFs) as part of asset management and for which the necessary data are available. For the calculation, the sum of all investments in companies involved in the production or sale of controversial weapons was set in relation to the sum of all investments in companies (companies for which no data is available are excluded). Data coverage for this indicator is 99%. The reported value of 0,03% does not result from	Investments in companies with exposure to controversial weapons (as well as nuclear weapons) are directly restricted by defining revenue limits for companies related to controversial weapons. The revenue limits for companies related to controversial weapons are structured as follows. For all portfolios administered and managed by MSC, investments in companies with more than 0 percent of their revenues derived from the production or distribution of controversial weapons (as well as nuclear weapons) will be prohibited. The revenue restrictions are reviewed at least quarterly by the Warburg Group's ESG committee. Furthermore, companies with serious controversies in the area of controversial weapons are

	Indicator	rs for investments in state	es and supranati	direct investments but indirectly from investment in funds/ETFs.  onal organizations	excluded. Engagement discussions take place on an ad hoc basis and are not subject to a regular cycle.
Sustainability	indicator for adverse effects	Measured variable	Impact 2022	Explanation	Measures taken and targets planned for the next reference period
Environment	15. GHG emission intensity	GHG emission intensity of the countries in which investments are made	79,09	The impact of the indicator refers to all investments (including investments in other assets as well as investments for which no data are available) under asset management. For the calculation, the respective value of the investment in states was set in relation to the value of all investments (including investments in other assets as well as investments for which no data are available) within the scope of asset management, multiplied by the ratio of the scope	PAI 15 does not find direct or indirect consideration in MSC's minimum sustainable standards.

				1-2-3 greenhouse gas emissions of the respective country in tons to the gross domestic product in EUR million, and then the sum for all states was formed. The data coverage for this indicator is 93%.	
Social	16. Countries in which investments are made that violate social regulations	Number of countries invested in that violate social provisions in accordance with international treaties and conventions, United Nations principles or, if applicable, national legislation (absolute number and relative number divided by all countries invested in)	8 countries, or 4.10%	The impact of the indicator relates to all countries in which investments are made directly (via bonds) or indirectly (via funds or ETFs) as part of asset management and for which the necessary data are available. For the calculation, the number of countries with violations of social regulations was set in relation to the sum of all countries. The data coverage for this indicator is 99%. Based on a global investment (directly via bonds as well as indirectly via funds or ETFs), the sum of all countries is equal to the countries	Investments in countries that violate social regulations are directly restricted by defining exclusion criteria for countries. The country exclusion criteria are as follows. For all MSC managed and administered portfolios, investments in countries that have not ratified the UN civil package or conventions or have a Government MSCI ESG rating of "CCC" are prohibited. The exclusion criteria are reviewed at least quarterly by the Warburg Group's ESG Panel.

				recognized by the United Nations (195 countries).	
		Indicators for inves	stment in real es	tate	
Sustainability	y indicator for adverse effects	Measured variable	Impact 2022	Explanation	Measures taken and targets planned for the next reference period
Fossil fuels	17. Exposure to fossil fuels through investment in real estate	Share of investments in real estate related to the extraction, storage, transportation or production of fossil fuels	No investments in real estate	No investments in real estate	No investments in real estate
Energy efficiency	18. Exposure to real estate with poor energy efficiency	Share of investments in real estate with poor energy efficiency	No investments in real estate	No investments in real estate	No investments in real estate
	Other i	ndicators of key adverse	impacts on susta	ainability factors.	
	Additiona	al climate indicators and o	ther environmer	nt-related indicators	
Sustainability	nindicator for adverse effects	Measured variable	Impact 2022	Explanation	
	Indicators	for investments in compa	anies in which in	vestments are made	
	CLIMATE IN	DICATORS AND OTHER E	NVIRONMENT-R	RELATED INDICATORS	
Emissions	Deforestation	Proportion of investments in	88,67%	The impact of the indicator relates to all companies in which investments are made directly (via bonds or shares) as part	

	Indica	companies without strategies to combat deforestation	ites and suprana	of asset management and for which the necessary data are available. For the calculation, the sum of all investments in companies without strategies to combat deforestation was set in relation to the sum of all investments in companies (companies for which no data is available are excluded). The data coverage for this indicator is 98%.
Green securities  Addition	Proportion of bonds not issued legislation on environmentally statements at a lindicators for the areas of statements.	sustainable bonds	39,40%	The impact of the indicator refers to all countries in which investments are made directly (via bonds) as part of asset management and for which the necessary data are available. For the calculation, the sum of all investments in government bonds that were not issued in accordance with the Union's legislation on environmentally sustainable bonds was set in relation to the sum of all investments in government bonds (government bonds for which no data are available are excluded). Data coverage for this indicator is 99%.
INDICATORS I	N THE AREAS OF SOCIAL AFF		, RESPECT FOR BRIBERY	HUMAN RIGHTS AND THE FIGHT AGAINST CORRUPTION
Sustainability i	ndicator for adverse effects	Measured variable	Impact 2022	Explanation
	Indicato	rs for investments in com	panies in which i	investments are made
Human Rights	Lack of human rights policy	Share of investments in companies without a human rights policy	8,53%	The impact of the indicator relates to all companies in which investments are made directly (via bonds or shares) as part of asset management and for which the necessary data are available. For the calculation, the sum of all investments in

				companies without a human rights policy was set in relation to the sum of all investments in companies (companies for which no data is available are excluded). The data coverage for this indicator is 98%.			
	Indicators for investments in states and supranational organizations						
Human Rights	Average performance in the area of human rights	Assessment of the average human rights performance of the countries in which investments are made using a quantitative indicator explained in the "Explanation" column	0,75	The impact of the indicator relates to all countries in which investments are made directly (via bonds) or indirectly (via funds or ETFs) as part of asset management and for which the necessary data are available. This indicator is the "fundamental rights" sub-indicator of the World Justice Project (WJP) Rule of Law Index. The sub-indicator measures a country's performance on human rights issues according to Factor 4 of the WJP Rule of Law Index. Scores can range from 0 to 1, with higher scores indicating stronger national performance on a broad range of human rights issues. For countries not covered, no value is entered for this indicator. The reported value is the weighted average for all investments in states (states for which data are not available are excluded). Data coverage for this indicator is 99%.			

# Describe strategies for identifying and weighting principal adverse impacts on sustainability factors.

The principle adverse impacts on sustainability factors, also known as PAIs, are taken into account in the investment process through MSC's minimum standards. The consideration of the respective PAI characteristics varies. Consideration can take the form of an exclusion, where issuers with poor PAI expressions become non-investable, or a focus of conversation in engagement discussions. The minimum standards begin with a quantitative screening process that excludes companies from the investable investment universe that do not meet the minimum environmental, social and ethical standards set by MSC. This includes stocks and bonds of companies that are active in the controversial weapons/nuclear weapons sector or that have strong corporate controversies ("Red Flag" as defined by the MSCI methodology / violation of the UN Global Compact). This is understood to mean serious misconduct in the areas of environmental, social and employee concerns, human rights and the fight against corruption and bribery. In addition, companies that exceed certain sales thresholds in the area of thermal coal mining or energy production from thermal coal are excluded. MSC hereby pays particular attention to reducing the carbon footprint of its investments with regard to the assessment of environmental damage.

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With the exception of the results from the "controversial weapons" area, which immediately lead to a direct exclusion from the investment universe, the quantitative result is evaluated in the subsequent qualitative consideration by an ESG committee of the Warburg Group, whose membership combines the expertise of the portfolio management of various Group companies and in which MSC is represented by its Chief Investment Officer. Additional insights (such as from direct company discussions) on the companies can be added. In this way, all exclusions are continuously reviewed and adjusted if necessary. In order to make well-founded assessments of the severity of controversies, active dialog is sought with selected companies. In implementing the strategy described above and evaluating the sustainability characteristics of individual issuers, MSC uses not only its own research but also in particular the information held by service providers specializing in sustainability analyses. MSC mainly uses the methodology of the ESG data provider MSCI ESG. Detailed information can be found on the Internet at: <a href="https://www.msci.com/our-solutions/esg-investing/">https://www.msci.com/our-solutions/esg-investing/</a>. If, for example, issuers are unable or unwilling to provide data, estimated data may be required. This estimated data can be obtained directly from data providers. MSCI ESG uses estimated data cannot be reliably stated.

### Participation policy

Engagement Discussions are held with companies as part of the Warburg Group's ESG committee. These discussions take place in order to supplement the data from MSCI ESG Research on PAIs and to bring about changes in the behavior of the companies with regard to the PAI characteristics (classic engagement). In addition to its own research, MSC receives information on PAIs at the required level of detail from MSCI ESG Research. Although MSC is in close contact with MSCI ESG Research through the Warburg Group's ESG committee, the company's view on the matter is sometimes very informative. On the list of potential engagement candidates are those issuers that have corporate controversies that are very serious, not (partially) closed, and also suspected of violating the UN Global Compact principles. If there is reasonable doubt about the implementation of a measure to improve a PAI, a re-engagement discussion is scheduled. If the objective cannot be implemented at the companies concerned, the company is placed on the list of global minimum exclusions. Voting rights are not exercised in MSC's asset management.

# Reference to internationally recognized standards

As part of the controversy screening, companies involved in one or more serious corporate misconduct are excluded from the sustainable investment universe. ESG controversy screening is based on the following global standards: the United Nations Global Compact (UNGC), the United Nations General Principles on Business and Human Rights (UNGP), the International Labour Organization (ILO) conventions. According to research provider MSCI ESG, the controversy methodology described continues to be aligned with the OECD Guidelines for Multinational Enterprises. By integrating the ESG controversy screening as well as the explicit exclusion of companies that violate the 10 principles of the UN Global Compact, PAI indicator No. 10 is thus taken into account at the same time.

# **Historical comparison**

Since no data were collected prior to 2022, the indicator table only includes data for 2022. For future reporting periods, comparisons are reported up to the last five previous periods.