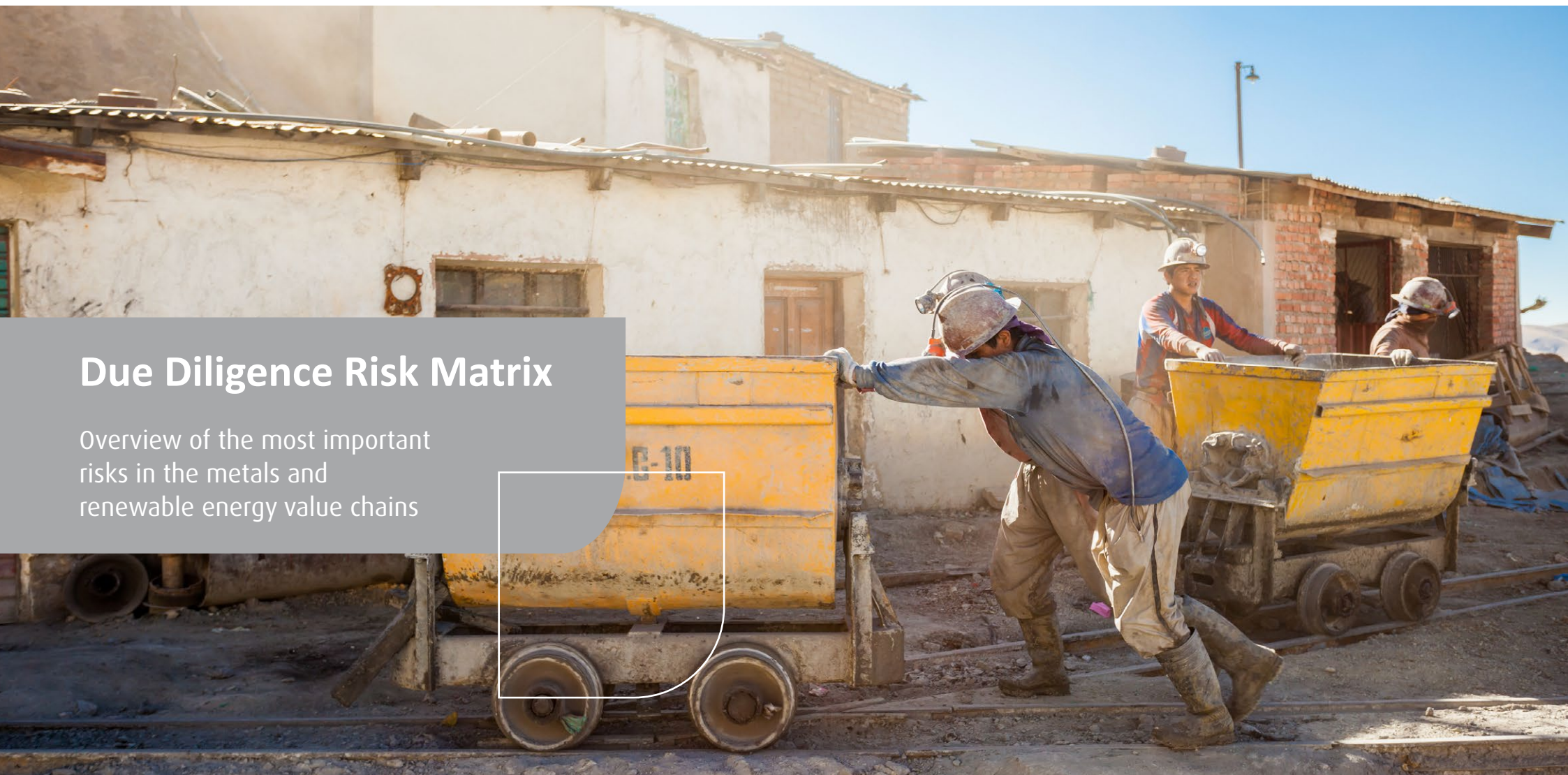


Due Diligence Risk Matrix

Overview of the most important risks in the metals and renewable energy value chains



Dear user,

This is a Due Diligence Risk Matrix for the main products within the metals sector and renewable energy sector. The Risk Matrix can be used during step 2 of the OECD Due Diligence process. It provides insight into the key risks that may occur in metal and renewable energy value chains. It also shows per product and per production country how high the probabilities of these risks are at the national level. Countries have been selected on the basis of their (possible) production. Top 3, 4 or 5 countries have been highlighted in bold for every product. Indexes have been chosen as they seem relative in conducting the necessary preliminary research, giving a quick insight into a countries (operating) context.

Disclaimer: Although a certain index might suggest that for example child labour is not present in a certain country, this does not exclude the presence of it. Indexes are based on the available data and research of third parties.

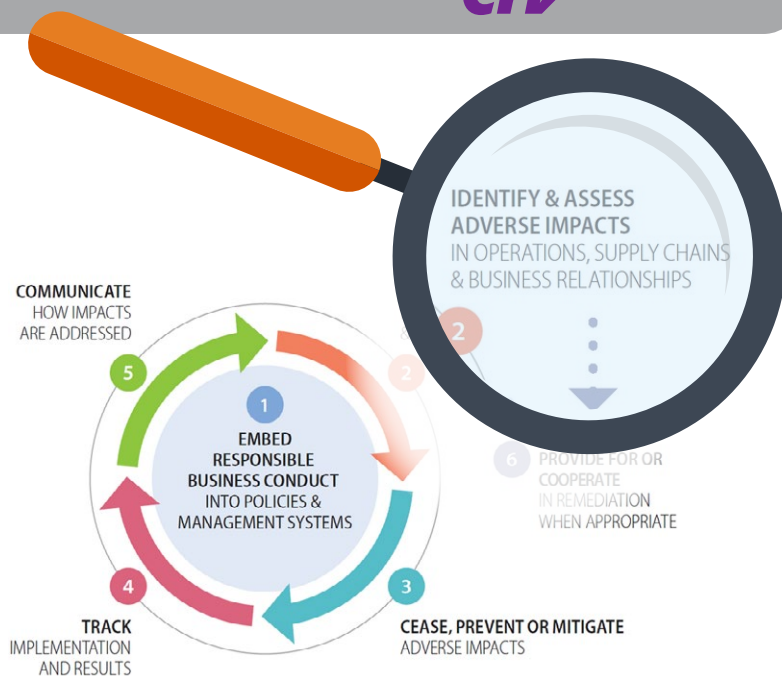
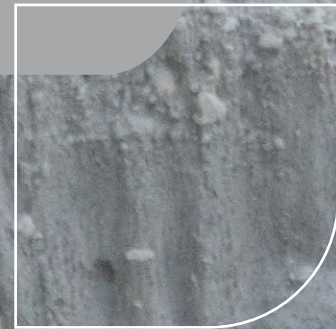


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Justification and explanation



Justification and explanation

This tool utilized external data around human rights and the environment that was retrieved and reported globally at the country level. This data may therefore differ from other more specific data. All data is accompanied with source references for additional information. The information has not been checked with other sources nor validated with third parties.

The Risk Matrix is based on a tool previously developed by UNICEF and industry association MODINT within the Agreement on Sustainable Garments and Textile, and is a follow-up to another Due Diligence Risk Matrix for the Agreement for the Food Products Sector.

In terms of scoring, where possible our approach is to follow the source's scoring. If it does not indicate a ranking, the creators of the Risk Matrix have assigned a weight to the data to estimate the severity of the risk. This scoring is listed below each table.

The countries per product are based on information obtained from the branch organisations and generic data. These have been added with countries known to be major producers of the product in question. Should a specific country not appear in the overview for the product in question, please refer to the umbrella country matrix. If also not present there please contact [CNV Internationaal](#) stating HRDD Risk Matrix Metals and Renewable Energy.

Living wage and living income are important themes within the IRBC Agreements on Metals and Renewable Energy. These indicators could not be included in the Risk Matrix because this data is not collected at the country level. More information on these themes can be found in specific sources such as [WageIndicator](#) or [Globalliving Wage Indicator](#). Finally, the creators of the Risk Matrix want to point out that this information can be used as additional support for risk analysis, but does not contain an exhaustive overview of risks in specific

value chains. Each company is responsible for identifying the risks in its own value chain. These may differ from the risks listed here and in their weight/scoring.

Tools for step 2

There are more tools that provide a generic picture of the risks of a specific metal or product in a particular country of origin.

- [CSR Risk Check](#)
- [Sweat and Toil app](#)
- [Worldbank open data.](#)

Sources:

U.S. Geological Survey's Mineral Commodity Summaris 2023
The Observatory for Economic Complexity
Statista

An aerial photograph of a river system. The water is a mix of bright orange and blue, indicating a high concentration of suspended solids or minerals. The river flows through a forested area with green trees. A white rectangular box highlights a specific section of the river where the water is particularly blue. A grey semi-transparent box is overlaid on the top left of the image, containing the word 'Metals' in white text.

Metals

Alumina

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (worst) - 5 (best)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Australia		26	-	1,6			40	3	17	4	-1	20-40	13	13
Brazil		57	5	5			84	5	81	5	-5,9	10-20	94	23
Canada		30	-	1,8			26	3	49	4	-2,8	10-20	14	14
China		107	-	4			111	5	160	4	0,96	20-40	65	11
Germany		6	-	0,6			11	1	13	2	-0,01	20-40	9	10
Guinea		137	24	4			155	4	146	5	-8,3	<10	147	25
India		135	-	8			151	5	180	4	1,3	>80	85	22
Indonesia		92	-	6,7			105	5	164	5	-2,6	20-40	110	24
Jamaica		24	3	7,3			95	3	72	4	-0,88	<10	69	-
Kazakhstan		62	-	11,1			55	5	93	4	77	20-40	101	11
Russia		-	-	13			43	-	112	5	0	10-20	137	11
Saudi Arabia		131	-	21,3			-	4	109	3	47	>80	54	35
Spain		18	-	2,3			33	2	27	3	0,25	40-80	35	10
United Arab Emirates		71	-	13,4			-	5	39	3	120	>80	27	38
Ukraine		66	3	12,8			44	-	52	4	4,1	10-20	116	9
United States		43	-	3,3			45	4	43	4	-1,2	20-40	24	13
Vietnam		72	7	4,1			104	4	178	5	-3,1	20-40	77	10

Risks														
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%	
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%	
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%	
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%	

Andalusite

	Risks	Discrimination & gender	Child Labour	Forced Labour	Child Labour	Forced Labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child Labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (worst) - 5 (best)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Brazil		57	5	5			84	5	81	5	-5,9	10-20	94	23
China		107	-	4			111	5	160	4	0,96	20-40	65	11
Kazakhstan		62	-	11,1			55	5	93	4	77	20-40	101	11
Peru		34	15	7,1			109	4	101	5	-0,97	40-80	101	18
South Africa		20	4	2,7			76	3	116	5	-1,9	>80	72	30
United States		43	-	3,3			45	4	43	4	-1,2	20-40	24	13

Risks														
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%	
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%	
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%	
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%	

Antracite

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (worst) - 5 (best)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
China		107	-	4			111	5	160	4	0,96	20-40	65	11
India		135	-	8			151	5	180	4	1,3	>80	85	22
Indonesia		92	-	6,7			105	5	164	5	-2,6	20-40	110	24
Kazakhstan		62	-	11,1			55	5	93	4	77	20-40	101	11
Mexico		33	5	6,6			87	3	73	4	-1,2	40-80	126	15
Mongolia		80	15	4			81	-	155	5	-3,4	40-80	116	19
Poland		60	-	5,5			21	3	46	3	3,8	10-20	45	10
Russia		-	-	13			43	-	112	5	0	10-20	137	11
South Africa		20	4	2,7			76	3	116	5	-1,9	>80	72	30
Ukraine		66	3	12,8			44	-	52	4	4,1	10-20	116	9
United States		43	-	3,3			45	4	43	4	-1,2	20-40	24	13
Uzbekistan		-	21	7,4			108	-	107	3	25	40-80	126	6
Vietnam		72	7	4,1			104	4	178	5	-3,1	20-40	77	10

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Bauxite

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (worst) - 5 (best)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Australia		26	-	1,6			40	3	17	4	-1	20-40	13	13
Brazil		57	5	5			84	5	81	5	-5,9	10-20	94	23
China		107	-	4			111	5	160	4	0,96	20-40	65	11
Ghana		100	20	2,9			133	2	170	5	-5,1	<10	72	27
Guinea		137	24	4			155	4	146	5	-8,3	<10	147	25
India		135	-	8			151	5	180	4	1,3	>80	85	22
Indonesia		92	-	6,7			105	5	164	5	-2,6	20-40	110	24
Iran		143	-	7,1			115	5	133	5	1,7	>80	147	42
Ivory Coast		122	22	7,3			145	3	138	5	-6,9	<10	99	28
Jamaica		24	3	7,3			95	3	72	4	-0,88	<10	69	-
Kazakhstan		62	-	11,1			55	5	93	4	77	20-40	101	11
Malaysia		102	-	6,3			67	5	130	4	-3,8	10-20	61	34
Mozambique		25	-	3			128	3	144	5	-10	<10	142	24
Russia		-	-	13			43	-	112	5	0	10-20	137	11
Saudi Arabia		131	-	21,3			-	4	109	3	47	>80	54	35
Tanzania		48	25	2,9			146	4	134	5	-15	10-20	94	22
Turkey		129	4	15,6			71	5	172	5	0,65	40-80	101	31
Vietnam		72	7	4,1			104	4	178	5	-3,1	20-40	77	10

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Bentonite

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (worst) - 5 (best)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Argentina		36	-	4,2			68	3	92	4	-10	10-20	94	16
Australia		26	-	1,6			40	3	17	4	-1	20-40	13	13
Brazil		57	5	5			84	5	81	5	-5,9	10-20	94	23
Bulgaria		65	-	8,5			46	3	41	4	1,4	10-20	72	9
China		107	-	4			111	5	160	4	0,96	20-40	65	11
Colombia		42	7	7,8			-	5	87	5	-2,2	<10	91	24
Egypt		134	5	4,3			70	5	127	5	2,16	>80	130	19
India		135	-	8			151	5	180	4	1,3	>80	85	22
Mexico		33	5	6,6			87	3	73	4	-1,2	40-80	126	15
Morocco		136	-	2,3			97	3	160	5	3,4	40-80	94	21
Netherlands		28	-	0,6			23	2	11	2	7	10-20	8	10
Peru		34	15	7,1			109	4	101	5	-0,97	40-80	101	18
Poland		60	-	5,5			21	3	46	3	3,8	10-20	45	10
Senegal		104	23	2,9			119	4	136	5	-0,76	20-40	72	21
South Africa		20	4	2,7			76	3	116	5	-1,9	>80	72	30
South Korea		105	-	3,5			57	5	63	4	-1	20-40	31	19
Turkey		129	4	15,6			71	5	172	5	0,65	40-80	101	31
United Arab Emirates		71	-	13,4			-	5	39	3	120	>80	27	38
United States		43	-	3,3			45	4	43	4	-1,2	20-40	24	13

Risks														
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%	
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%	
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%	
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%	

Boron

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (worst) - 5 (best)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Argentina		36	-	4,2			68	3	92	4	-10	10-20	94	16
Bolivia		56	14	7,2			85	3	99	5	-5,6	<10	126	24
Chile		27	6	3,2			60	3	65	4	-0,08	>80	27	23
China		107	-	4			111	5	160	4	0,96	20-40	65	11
Germany		6	-	0,6			11	1	13	2	-0,01	20-40	9	10
India		135	-	8			151	5	180	4	1,3	>80	85	22
Iran		143	-	7,1			115	5	133	5	1,7	>80	147	42
Kazakhstan		62	-	11,1			55	5	93	4	77	20-40	101	11
Peru		34	15	7,1			109	4	101	5	-0,97	40-80	101	18
Russia		-	-	13			43	-	112	5	0	10-20	137	11
Turkey		129	4	15,6			71	5	172	5	0,65	40-80	101	31
United States		43	-	3,3			45	4	43	4	-1,2	20-40	24	13

Risks														
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%	
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%	
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%	
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%	

Cadmium

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (worst) - 5 (best)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Australia		26	-	1,6			40	3	17	4	-1	20-40	13	13
Bulgaria		65	-	8,5			46	3	41	4	1,4	10-20	72	9
Canada		30	-	1,8			26	3	49	4	-2,8	10-20	14	14
China		107	-	4			111	5	160	4	0,96	20-40	65	11
Germany		6	-	0,6			11	1	13	2	-0,01	20-40	9	10
Japan		125	-	1,1			29	2	25	5	-0,53	10-20	18	19
Kazakhstan		62	-	11,1			55	5	93	4	77	20-40	101	11
Mexico		33	5	6,6			87	3	73	4	-1,2	40-80	126	15
Netherlands		28	-	0,6			23	2	11	2	7	10-20	8	10
Norway		2	-	0,5			3	1	20	4	-1,4	<10	4	8
Peru		34	15	7,1			109	4	101	5	-0,97	40-80	101	18
Poland		60	-	5,5			21	3	46	3	3,8	10-20	45	10
Russia		-	-	13			43	-	112	5	0	10-20	137	11
South Korea		105	-	3,5			57	5	63	4	-1	20-40	31	19
United States		43	-	3,3			45	4	43	4	-1,2	20-40	24	13
Uzbekistan		-	21	7,4			108	-	107	3	25	40-80	126	6

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Chromium

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (worst) - 5 (best)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Brazil		57	5	5			84	5	81	5	-5,9	10-20	94	23
China		107	-	4			111	5	160	4	0,96	20-40	65	11
Finland		3	-	1,4			5	1	3	2	-1,7	<10	2	4
India		135	-	8			151	5	180	4	1,3	>80	85	22
Iran		143	-	7,1			115	5	133	5	1,7	>80	147	42
Kazakhstan		62	-	11,1			55	5	93	4	77	20-40	101	11
Madagascar		51	37	4,6			137	3	167	5	-5,9	10-20	142	25
South Africa		20	4	2,7			76	3	116	5	-1,9	>80	72	30
Turkey		129	4	15,6			71	5	172	5	0,65	40-80	101	31
Zimbabwe		45	28	5			158	5	69	5	-5,9	20-40	157	27

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Cobalt (1/2)

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (worst) - 5 (best)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Australia		26	-	1,6			40	3	17	4	-1	20-40	13	13
Brazil		57	5	5			84	5	81	5	-5,9	10-20	94	23
Canada		30	-	1,8			26	3	49	4	-2,8	10-20	14	14
China		107	-	4			111	5	160	4	0,96	20-40	65	11
Democratic Republic of the Congo		140	15	4,2	yes	yes	144	4	119	5	-3,6	<10	166	-
Cuba		-	-	5,4			-	-	60	5	-0,17	10-20	65	-
Finland		3	-	1,4			5	1	3	2	-1,7	<10	2	4
Indonesia		92	-	6,7			105	5	164	5	-2,6	20-40	110	24
Madagascar		51	37	4,6			137	3	167	5	-5,9	10-20	142	25
Mexico		33	5	6,6			87	3	73	4	-1,2	40-80	126	15
Morocco		136	-	2,3			97	3	160	5	3,4	40-80	94	21
Papua New Guinea		-	-	10,5			130	-	175	5	-0,08	<10	130	-
Philippines		16	-	7,8			92	5	158	5	-1,4	20-40	116	48
Russia		-	-	13			43	-	112	5	0	10-20	137	11

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Cobalt (2/2)

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (worst) - 5 (best)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
South Africa		20	4	2,7			76	3	116	5	-1,9	>80	72	30
Spain		18	-	2,3			33	2	27	3	0,25	40-80	35	10
Turkey		129	4	15,6			71	5	172	5	0,65	40-80	101	31
United States		43	-	3,3			45	4	43	4	-1,2	20-40	24	13
Zimbabwe		45	28	5			158	5	69	5	-5,9	20-40	157	27

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Copper

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (worst) - 5 (best)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Australia		26	-	1,6			40	3	17	4	-1	20-40	13	13
Brazil		57	5	5			84	5	81	5	-5,9	10-20	94	23
Canada		30	-	1,8			26	3	49	4	-2,8	10-20	14	14
Chile		27	6	3,2			60	3	65	4	-0,08	>80	27	23
China		107	-	4			111	5	160	4	0,96	20-40	65	11
Democratic Republic of the Congo		140	15	4,2	yes	yes	144	4	119	5	-3,6	<10	166	-
Indonesia		92	-	6,7			105	5	164	5	-2,6	20-40	110	24
Iran		143	-	7,1			115	5	133	5	1,7	>80	147	42
Kazakhstan		62	-	11,1			55	5	93	4	77	20-40	101	11
Laos		54	28	5,3			141	5	149	5	380	<10	126	-
Mexico		33	5	6,6			87	3	73	4	-1,2	40-80	126	15
Mongolia		80	15	4			81	-	155	5	-3,4	40-80	116	19
Peru		34	15	7,1			109	4	101	5	-0,97	40-80	101	18
Poland		60	-	5,5			21	3	46	3	3,8	10-20	45	10
Russia		-	-	13			43	-	112	5	0	10-20	137	11
Spain		18	-	2,3			33	2	27	3	0,25	40-80	35	10
United States		43	-	3,3			45	4	43	4	-1,2	20-40	24	13
Zambia		85	23	5,1			139	4	106	5	-7,3	<10	116	27

Risks														
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%	
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%	
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%	
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10 - -15%	>80%	86-180	40-48%	

Dolomite (1/2)

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (worst) - 5 (best)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Belgium		10	-	1			9	3	21	2	-0,3	>80	18	13
Bhutan		103	4	-			140	-	85	5	0,49	<10	25	-
China		107	-	4			111	5	160	4	0,96	20-40	65	11
Canada		30	-	1,8			26	3	49	4	-2,8	10-20	14	14
Guatemala		117	-	7,8			83	5	167	5	-6	10-20	150	33
India		135	-	8			151	5	180	4	1,3	>80	85	22
Iran		143	-	7,1			115	5	133	5	1,7	>80	147	42
Mexico		33	5	6,6			87	3	73	4	-1,2	40-80	126	15
Netherlands		28	-	0,6			23	2	11	2	7	10-20	8	10
Philippines		16	-	7,8			92	5	158	5	-1,4	20-40	116	48
Poland		60	-	5,5			21	3	46	3	3,8	10-20	45	10
Russia		-	-	13			43	-	112	5	0	10-20	137	11
Saudi Arabia		131	-	21,3			-	4	109	3	47	>80	54	35
South Korea		105	-	3,5			57	5	63	4	-1	20-40	31	19
Spain		18	-	2,3			33	2	27	3	0,25	40-80	35	10
Turkey		129	4	15,6			71	5	172	5	0,65	40-80	101	31

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Dolomite (2/2)

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (worst) - 5 (best)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
United Arab Emirates		71	-	13,4			-	5	39	3	120	>80	27	38
United Kingdom		15	-	1,8			37	4	2	1	2,7	10-20	18	11
United States		43	-	3,3			45	4	43	4	-1,2	20-40	24	13
Vietnam		72	7	4,1			104	4	178	5	-3,1	20-40	77	10

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Fosfor

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (worst) - 5 (best)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Algeria		144	3	1,9			96	5	155	5	1,4	40-80	116	16
Brazil		57	5	5			84	5	81	5	-5,9	10-20	94	23
China		107	-	4			111	5	160	4	0,96	20-40	65	11
Egypt		134	5	4,3			70	5	127	5	2,16	>80	130	19
Mexico		33	5	6,6			87	3	73	4	-1,2	40-80	126	15
Morocco		136	-	2,3			97	3	160	5	3,4	40-80	94	21
Peru		34	15	7,1			109	4	101	5	-0,97	40-80	101	18
Russia		-	-	13			43	-	112	5	0	10-20	137	11
Saudi Arabia		131	-	21,3			-	4	109	3	47	>80	54	35
Senegal		104	23	2,9			119	4	136	5	-0,76	20-40	72	21
South Africa		20	4	2,7			76	3	116	5	-1,9	>80	72	30
Tunesia		128	2	2,3			65	5	96	4	-4,83	>80	85	24
Turkey		129	4	15,6			71	5	172	5	0,65	40-80	101	31
United States		43	-	3,3			45	4	43	4	-1,2	20-40	24	13
Vietnam		72	7	4,1			104	4	178	5	-3,1	20-40	77	10

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Gallium

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (worst) - 5 (best)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
China		107	-	4			111	5	160	4	0,96	20-40	65	11
Japan		125	-	1,1			29	2	25	5	-0,53	10-20	18	19
Kazakhstan		62	-	11,1			55	5	93	4	77	20-40	101	11
Russia		-	-	13			43	-	112	5	0	10-20	137	11
South Korea		105	-	3,5			57	5	63	4	-1	20-40	31	19
Ukraine		66	3	12,8			44	-	52	4	4,1	10-20	116	9

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Germanium

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (worst) - 5 (best)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Canada		30	-	1,8			26	3	49	4	-2,8	10-20	14	14
China		107	-	4			111	5	160	4	0,96	20-40	65	11
Finland		3	-	1,4			5	1	3	2	-1,7	<10	2	4
Russia		-	-	13			43	-	112	5	0	10-20	137	11
Ukraine		66	3	12,8			44	-	52	4	4,1	10-20	116	9
United States		43	-	3,3			45	4	43	4	-1,2	20-40	24	13

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Gold (1/3)

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (worst) - 5 (best)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Argentina		36	-	4,2			68	3	92	4	-10	10-20	94	16
Armenia		61	4	8,9			66	3	56	4	1,6	20-40	63	14
Australia		26	-	1,6			40	3	17	4	-1	20-40	13	13
Bolivia		56	14	7,2	yes		85	3	99	5	-5,6	<10	126	24
Brazil		57	5	5			84	5	81	5	-5,9	10-20	94	23
Bulgaria		65	-	8,5			46	3	41	4	1,4	10-20	72	9
Burkina Faso		109	42	3,7	yes	yes	143	4	127	5	-0,36	10-20	77	44
Central African Republic		-	27	5,2			159	5+	75	5	-1,3	<10	150	-
Cameroon		94	39	5,8	yes		150	4	153	5	-1,7	<10	142	32
Canada		30	-	1,8			26	3	49	4	-2,8	10-20	14	14
Chile		27	6	3,2			60	3	65	4	-0,08	>80	27	23
China		107	-	4			111	5	160	4	0,96	20-40	65	11
Colombia		42	7	7,8	yes		-	5	87	5	-2,2	<10	91	24
Democratic Republic of the Congo		140	15	4,2	yes	yes	144	4	119	5	-3,6	<10	166	-
Dominican Republic		81	4	6,6			77	2	89	5	-2,5	10-20	123	28

Risks														
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%	
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%	
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%	
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%	

Gold (2/3)

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (worst) - 5 (best)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Ecuador		50	-	7,6	yes		91	5	66	5	-1,5	<10	101	19
Egypt		134	5	4,3			70	5	127	5	2,16	>80	130	19
Ethiopia		75	45	6,3	yes		152	4	143	5	-3,6	<10	94	26
Finland		3	-	1,4			5	1	3	2	-1,7	<10	2	4
Gabon		-	19	7,6			-	3	51	5	0,41	<10	136	35
Georgia		76	2	7,8			90	3	103	5	2,3	<10	41	15
Ghana		100	20	2,9	yes		133	2	170	5	-5,1	<10	72	27
Guatemala		117	-	7,8			83	5	167	5	-6	10-20	150	33
Guinea		137	24	4	yes		155	4	146	5	-8,3	<10	147	25
India		135	-	8			151	5	180	4	1,3	>80	85	22
Indonesia		92	-	6,7	yes		105	5	164	5	-2,6	20-40	110	24
Ivory Coast		122	22	7,3			145	3	138	5	-6,9	<10	99	28
Japan		125	-	1,1			29	2	25	5	-0,53	10-20	18	19
Kazakhstan		62	-	11,1			55	5	93	4	77	20-40	101	11
Laos		54	28	5,3			141	5	149	5	380	<10	126	-
Malaysia		102	-	6,3			67	5	130	4	-3,8	10-20	61	34
Mexico		33	5	6,6			87	3	73	4	-1,2	40-80	126	15
Mongolia		80	15	4	yes		81	-	155	5	-3,4	40-80	116	19
Morocco		136	-	2,3			97	3	160	5	3,4	40-80	94	21

Risks

low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Gold (3/3)

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (worst) - 5 (best)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Nigeria		130	31	7,8	yes		161	4	162	5	-6,1	<10	150	23
Papua New Guinea		-	-	10,5			130	-	175	5	-0.078	<10	130	-
Peru		34	15	7,1	yes	yes	109	4	101	5	-0,97	40-80	101	18
Philippines		16	-	7,8	yes		92	5	158	5	-1,4	20-40	116	48
Poland		60	-	5,5			21	3	46	3	3,8	10-20	45	10
Russia		-	-	13			43	-	112	5	0	10-20	137	11
Saudi-Arabia		131	-	21,3			-	4	109	3	47	>80	54	35
Senegal		104	23	2,9	yes		119	4	136	5	-0,76	20-40	72	21
South Africa		20	4	2,7			76	3	116	5	-1,9	>80	72	30
Sudan		-	18	4	yes		-	5	171	5	3,5	10-20	101	-
Tanzania		48	25	2,9	yes		146	4	134	5	-15	10-20	94	22
Togo		90	39	3,3			131	3	135	5	-5,9	<10	130	26
Turkey		129	4	15,6			71	5	172	5	0,65	40-80	101	31
Uganda		78	18	4,2	yes		154	4	125	5	-15	<10	142	26
United States		43	-	3,3			45	4	43	4	-1,2	20-40	24	13
Uzbekistan		-	21	7,4			108	-	107	3	25	40-80	126	6
Zambia		85	23	5,1			139	4	106	5	-7,3	<10	116	27
Zimbabwe		45	28	5	yes		158	5	69	5	-5,9	20-40	157	27

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Indium

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (worst) - 5 (best)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Belgium		10	-	1			9	3	21	2	-0,3	>80	18	13
Canada		30	-	1,8			26	3	49	4	-2,8	10-20	14	14
China		107	-	4			111	5	160	4	0,96	20-40	65	11
France		40	-	2,1			14	2	12	2	-8,7	10-20	21	18
Japan		125	-	1,1			29	2	25	5	-0,53	10-20	18	19
Peru		34	15	7,1			109	4	101	5	-0,97	40-80	101	18
Russia		-	-	13			43	-	112	5	0	10-20	137	11
South Korea		105	-	3,5			57	5	63	4	-1	20-40	31	19
United States		43	-	3,3			45	4	43	4	-1,2	20-40	24	13
Uzbekistan		-	21	7,4			108	-	107	3	25	40-80	126	6

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Iron (1/2)

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (worst) - 5 (best)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Algeria		144	3	1,9			96	5	155	5	1,4	40-80	116	16
Argentina		36	-	4,2			68	3	92	4	-10	10-20	94	16
Australia		26	-	1,6			40	3	17	4	-1	20-40	13	13
Bhutan		103	4	-			140	-	85	5	0,49	<10	25	-
Brazil		57	5	5			84	5	81	5	-5,9	10-20	94	23
Canada		30	-	1,8			26	3	49	4	-2,8	10-20	14	14
Chile		27	6	3,2			60	3	65	4	-0,08	>80	27	23
China		107	-	4			111	5	160	4	0,96	20-40	65	11
Colombia		42	7	7,8			-	5	87	5	-2,2	<10	91	24
Egypt		134	5	4,3			70	5	127	5	2,16	>80	130	19
India		135	-	8			151	5	180	4	1,3	>80	85	22
Iran		143	-	7,1			115	5	133	5	1,7	>80	147	42
Kazakhstan		62	-	11,1			55	5	93	4	77	20-40	101	11
Laos		54	28	5,3			141	5	149	5	380	<10	126	-
Liberia		39	32	3,1			142	4	174	5	-3,6	<10	142	43
Malaysia		102	-	6,3			67	5	130	4	-3,8	10-20	61	34
Mexico		33	5	6,6			87	3	73	4	-1,2	40-80	126	15

Risks														
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%	
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%	
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%	
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%	

Iron (2/2)

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (worst) - 5 (best)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Mongolia		80	15	4			81	-	155	5	-3,4	40-80	116	19
Morocco		136	-	2,3			97	3	160	5	3,4	40-80	94	21
Peru		34	15	7,1			109	4	101	5	-0,97	40-80	101	18
Russia		-	-	13			43	-	112	5	0	10-20	137	11
South Africa		20	4	2,7			76	3	116	5	-1,9	>80	72	30
Thailand		74	-	5,7			100	5	108	5	0,38	40-80	101	17
Togo		90	39	3,3			131	3	135	5	-5,9	<10	130	26
Tunesia		128	2	2,3			65	5	96	4	-4,83	>80	85	24
Turkey		129	4	15,6			71	5	172	5	0,65	40-80	101	31
Ukraine		66	3	12,8			44	-	52	4	4,1	10-20	116	9
United States		43	-	3,3			45	4	43	4	-1,2	20-40	24	13

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Lead

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (best) - 5 (worst)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Australia		26	-	1,6			40	3	17	4	-1	20-40	13	13
Bolivia		56	14	7,2			85	3	99	5	-5,6	<10	126	24
China		107	-	4			111	5	160	4	0,96	20-40	65	11
India		135	-	8			151	5	180	4	1,3	>80	85	22
Mexico		33	5	6,6			87	3	73	4	-1,2	40-80	126	15
Peru		34	15	7,1			109	4	101	5	-0,97	40-80	101	18
Russia		-	-	13			43	-	112	5	0	10-20	137	11
Sweden		5	-	0,6			6	1	5	4	-3,5	<10	5	6
Tajikstan		111	-	14			64	-	117	5	10	20-40	150	11
Turkey		129	4	15,6			71	5	172	5	0,65	40-80	101	31
United States		43	-	3,3			45	4	43	4	-1,2	20-40	24	13

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Limestone

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (best) - 5 (worst)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Austria		47	-	1,9			19	1	8	3	-2,3	<10	22	5
Canada		30	-	1,8			26	3	49	4	-2,8	10-20	14	14
China		107	-	4			111	5	160	4	0,96	20-40	65	11
Dominican Republic		81	4	6,6			77	2	89	5	-2,5	10-20	123	28
Egypt		134	5	4,3	yes		70	5	127	5	2,16	>80	130	19
France		40	-	2,1			14	2	12	2	-8,7	10-20	21	18
India		135	-	8			151	5	180	4	1,3	>80	85	22
Japan		125	-	1,1			29	2	25	5	-0,53	10-20	18	19
Kazakhstan		62	-	11,1			55	5	93	4	77	20-40	101	11
Malaysia		102	-	6,3			67	5	130	4	-3,8	10-20	61	34
Poland		60	-	5,5			21	3	46	3	3,8	10-20	45	10
Russia		-	-	13			43	-	112	5	0	10-20	137	11
South Africa		20	4	2,7			76	3	116	5	-1,9	>80	72	30
Spain		18	-	2,3			33	2	27	3	0,25	40-80	35	10
Sweden		5	-	0,6			6	1	5	4	-3,5	<10	5	6
Thailand		74	-	5,7			100	5	108	5	0,38	40-80	101	17
UAE		71	-	13,4			-	5	39	3	120	>80	27	38
United States		43	-	3,3			45	4	43	4	-1,2	20-40	24	13
Zambia		85	23	5,1			139	4	106	5	-7,3	<10	116	27
Zimbabwe		45	28	5			158	5	69	5	-5,9	20-40	157	27

Risks														
low		1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium		40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high		80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high		101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Lithium

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (best) - 5 (worst)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Australia		26	-	1,6			40	3	17	4	-1	20-40	13	13
Bolivia		56	14	7,2			85	3	99	5	-5,6	<10	126	24
Chile		27	6	3,2			60	3	65	4	-0,08	>80	27	23
China		107	-	4		YES	111	5	160	4	0,96	20-40	65	11
India		135	-	8			151	5	180	4	1,3	>80	85	22
Kazakhstan		62	-	11,1			55	5	93	4	77	20-40	101	11
Mexico		33	5	6,6			87	3	73	4	-1,2	40-80	126	15
Peru		34	15	7,1			109	4	101	5	-0,97	40-80	101	18
Poland		60	-	5,5			21	3	46	3	3,8	10-20	45	10
Russia		-	-	13			43	-	112	5	0	10-20	137	11
South Africa		20	4	2,7			76	3	116	5	-1,9	>80	72	30
Sudan		-	18	4			-	5	171	5	3,5	10-20	101	-
Tajikstan		111	-	14			64	-	117	5	10	20-40	150	11
Turkey		129	4	15,6			71	5	172	5	0,65	40-80	101	31
United States		43	-	3,3			45	4	43	4	-1,2	20-40	24	13

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Magnesium

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (worst) - 5 (best)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Australia		26	-	1,6			40	3	17	4	-1	20-40	13	13
Austria		47	-	1,9			19	1	8	3	-2,3	<10	22	5
Brazil		57	5	5			84	5	81	5	-5,9	10-20	94	23
China		107	-	4			111	5	160	4	0,96	20-40	65	11
India		135	-	8			151	5	180	4	1,3	>80	85	22
Iran		135	-	8			151	5	180	4	1,3	>80	85	22
Kazakhstan		62	-	11,1			55	5	93	4	77	20-40	101	11
Malaysia		102	-	6,3			67	5	130	4	-3,8	10-20	61	34
Russia		-	-	13			43	-	112	5	0	10-20	137	11
South Korea		105	-	3,5			57	5	63	4	-1	20-40	31	19
Spain		18	-	2,3			33	2	27	3	0,25	40-80	35	10
Turkey		129	4	15,6			71	5	172	5	0,65	40-80	101	31
Ukraine		66	3	12,8			44	-	52	4	4,1	10-20	116	9
United States		43	-	3,3			45	4	43	4	-1,2	20-40	24	13

Risks														
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%	
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%	
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%	
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%	

Manganese

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (worst) - 5 (best)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Australia		26	-	1,6			40	3	17	4	-1	20-40	13	13
Brazil		57	5	5			84	5	81	5	-5,9	10-20	94	23
China		107	-	4			111	5	160	4	0,96	20-40	65	11
Gabon		-	19	7,6			-	3	51	5	0,41	<10	136	35
Georgia		76	2	7,8			90	3	103	5	2,3	<10	41	15
Ghana		100	20	2,9			133	2	170	5	-5,1	<10	72	27
India		135	-	8			151	5	180	4	1,3	>80	85	22
Ivory Coast		122	22	7,3			145	3	138	5	-6,9	<10	99	28
Kazakhstan		62	-	11,1			55	5	93	4	77	20-40	101	11
Malaysia		102	-	6,3			67	5	130	4	-3,8	10-20	61	34
Mexico		33	5	6,6			87	3	73	4	-1,2	40-80	126	15
Myanmar		123	10	12,1			74	5+	179	5	-3,5	20-40	157	19
South Africa		20	4	2,7			76	3	116	5	-1,9	>80	72	30
Ukraine		66	3	12,8			44	-	52	4	4,1	10-20	116	9
Vietnam		72	7	4,1			104	4	178	5	-3,1	20-40	77	10

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Mica

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (worst) - 5 (best)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Argentina		36	-	4,2			68	3	92	4	-10	10-20	94	16
Brazil		57	5	5			84	5	81	5	-5,9	10-20	94	23
Canada		30	-	1,8			26	3	49	4	-2,8	10-20	14	14
China		107	-	4			111	5	160	4	0,96	20-40	65	11
Finland		3	-	1,4			5	1	3	2	-1,7	<10	2	4
France		40	-	2,1			14	2	12	2	-8,7	10-20	21	18
India		135	-	8	yes		151	5	180	4	1,3	>80	85	22
Iran		143	-	7,1			115	5	133	5	1,7	>80	147	42
Madagascar		51	37	4,6	yes		137	3	167	5	-5,9	10-20	142	25
Malaysia		102	-	6,3			67	5	130	4	-3,8	10-20	61	34
Peru		34	15	7,1			109	4	101	5	-0,97	40-80	101	18
Russia		-	-	13			43	-	112	5	0	10-20	137	11
South Africa		20	4	2,7			76	3	116	5	-1,9	>80	72	30
South Korea		105	-	3,5			57	5	63	4	-1	20-40	31	19
Spain		18	-	2,3			33	2	27	3	0,25	40-80	35	10
Sudan		-	18	4			-	5	171	5	3,5	10-20	101	-
Turkey		129	4	15,6			71	5	172	5	0,65	40-80	101	31
United States		43	-	3,3			45	4	43	4	-1,2	20-40	24	13

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Molybdenum

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalance & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (best) - 5 (worst)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Armenia		61	4	8,9			66	3	56	4	1,6	20-40	63	14
Canada		30	-	1,8			26	3	49	4	-2,8	10-20	14	14
Chile		27	6	3,2			60	3	65	4	-0,08	>80	27	23
China		107	-	4			111	5	160	4	0,96	20-40	65	11
Iran		143	-	7,1			115	5	133	5	1,7	>80	147	42
Mexico		33	5	6,6			87	3	73	4	-1,2	40-80	126	15
Mongolia		80	15	4			81	-	155	5	-3,4	40-80	116	19
Peru		34	15	7,1			109	4	101	5	-0,97	40-80	101	18
Russia		-	-	13			43	-	112	5	0	10-20	137	11
South Korea		105	-	3,5			57	5	63	4	-1	20-40	31	19
United States		43	-	3,3			45	4	43	4	-1,2	20-40	24	13
Uzbekistan		-	21	7,4			108	-	107	3	25	40-80	126	6

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Nickel

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (worst) - 5 (best)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Australia		26	-	1,6			40	3	17	4	-1	20-40	13	13
Brazil		57	5	5			84	5	81	5	-5,9	10-20	94	23
Canada		30	-	1,8			26	3	49	4	-2,8	10-20	14	14
China		107	-	4			111	5	160	4	0,96	20-40	65	11
Colombia		42	7	7,8			-	5	87	5	-2,2	<10	91	24
Cuba		-	-	5,4			-	-	60	5	-0,17	10-20	65	-
Indonesia		92	-	6,7			105	5	164	5	-2,6	20-40	110	24
Madagascar		51	37	4,6			137	3	167	5	-5,9	10-20	142	25
Philippines		16	-	7,8			92	5	158	5	-1,4	20-40	116	48
Russia		-	-	13			43	-	112	5	0	10-20	137	11
South Africa		20	4	2,7			76	3	116	5	-1,9	>80	72	30
United States		43	-	3,3			45	4	43	4	-1,2	20-40	24	13

Risks														
low		1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium		40-79	1%-5%	2,5-8			25-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high		79-100	6%-10%	8-10			75- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high		100-146	>10%	>10	yes	yes	125-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Niobium

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (worst) - 5 (best)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Australia		26	-	1,6			40	3	17	4	-1	20-40	13	13
Brazil		57	5	5			84	5	81	5	-5,9	10-20	94	23
Canada		30	-	1,8			26	3	49	4	-2,8	10-20	14	14
Democratic Republic of the Congo		140	15	4,2			144	4	119	5	-3,6	<10	166	-
Russia		-	-	13			43	-	112	5	0	10-20	137	11
Nigeria		130	31	7,8			161	4	162	5	-6,1	<10	150	23
Thailand		74	-	5,7			100	5	108	5	0,38	40-80	101	17
United States		43	-	3,3			45	4	43	4	-1,2	20-40	24	13

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			25-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	79-100	6%-10%	8-10			75- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	100-146	>10%	>10	yes	yes	125-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Phosphate Rock (1/2)

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (best) - 5 (worst)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Algeria		144	3	1,9			96	5	155	5	1,4	40-80	116	16
Australia		26	-	1,6			40	3	17	4	-1	20-40	13	13
Brazil		57	5	5			84	5	81	5	-5,9	10-20	94	23
China		107	-	4			111	5	160	4	0,96	20-40	65	11
Egypt		134	5	4,3			70	5	127	5	2,16	>80	130	19
Finland		3	-	1,4			5	1	3	2	-1,7	<10	2	4
India		135	-	8			151	5	180	4	1,3	>80	85	22
Israel		83	-	3,8			15	2	57	4	4,9	>80	31	13
Kazakhstan		62	-	11,1			55	5	93	4	77	20-40	101	11
Mexico		33	5	6,6			87	3	73	4	-1,2	40-80	126	15
Morocco		136	-	2,3			97	3	160	5	3,4	40-80	94	21
Peru		34	15	7,1			109	4	101	5	-0,97	40-80	101	18
Russia		-	-	13			43	-	112	5	0	10-20	137	11
Saudi Arabia		131	-	21,3			-	4	109	3	47	>80	54	35
Senegal		104	23	2,9			119	4	136	5	-0,76	20-40	72	21
South Africa		20	4	2,7			76	3	116	5	-1,9	>80	72	30

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Phosphate Rock (2/2)

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (best) - 5 (worst)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Togo		90	39	3,3			131	3	135	5	-5,9	<10	130	26
Tunesia		128	2	2,3			65	5	96	4	-4,83	>80	85	24
Turkey		129	4	15,6			71	5	172	5	0,65	40-80	101	31
United States		43	-	3,3			45	4	43	4	-1,2	20-40	24	13
Uzbekistan		-	21	7,4			108	-	107	3	25	40-80	126	6
Vietnam		72	7	4,1			104	4	178	5	-3,1	20-40	77	10

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Quartz

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (best) - 5 (worst)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Australia		26	-	1,6			40	3	17	4	-1	20-40	13	13
Belgium		10	-	1			9	3	21	2	-0,3	>80	18	13
Bhutan		103	4	-			140	-	85	5	0,49	<10	25	-
Brazil		57	5	5			84	5	81	5	-5,9	10-20	94	23
Canada		30	-	1,8			26	3	49	4	-2,8	10-20	14	14
China		107	-	4			111	5	160	4	0,96	20-40	65	11
Egypt		134	5	4,3			70	5	127	5	2,16	>80	130	19
France		40	-	2,1			14	2	12	2	-8,7	10-20	21	18
Germany		6	-	0,6			11	1	13	2	-0,01	20-40	9	10
Iceland		1	-	-			7	1	10	1	0	<10	14	15
India		135	-	8			151	5	180	4	1,3	>80	85	22
Kazakhstan		62	-	11,1			55	5	93	4	77	20-40	101	11
Malaysia		102	-	6,3			67	5	130	4	-3,8	10-20	61	34
Norway		2	-	0,5			3	1	20	4	-1,4	<10	4	8
Poland		60	-	5,5			21	3	46	3	3,8	10-20	45	10
Russia		-	-	13			43	-	112	5	0	10-20	137	11
Spain		18	-	2,3			33	2	27	3	0,25	40-80	35	10
Ukraine		66	3	12,8			44	-	52	4	4,1	10-20	116	9
United States		43	-	3,3			45	4	43	4	-1,2	20-40	24	13

Risks														
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%	
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%	
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%	
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%	

Rare Earth

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (best) - 5 (worst)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Australia		26	-	1,6			40	3	17	4	-1	20-40	13	13
Brazil		57	5	5			84	5	81	5	-5,9	10-20	94	23
China		107	-	4			111	5	160	4	0,96	20-40	65	11
India		135	-	8			151	5	180	4	1,3	>80	85	22
Madagascar		51	37	4,6			137	3	167	5	-5,9	10-20	142	25
Myanmar		123	10	12,1			74	5+	179	5	-3,5	20-40	157	19
Russia		-	-	13			43	-	112	5	0	10-20	137	11
South Africa		20	4	2,7			76	3	116	5	-1,9	>80	72	30
Thailand		74	-	5,7			100	5	108	5	0,38	40-80	101	17
United States		43	-	3,3			45	4	43	4	-1,2	20-40	24	13
Vietnam		72	7	4,1			104	4	178	5	-3,1	20-40	77	10

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Sand (1/2)

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (best) - 5 (worst)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Argentina		36	-	4,2			68	3	92	4	-10	10-20	94	16
Australia		26	-	1,6			40	3	17	4	-1	20-40	13	13
Bulgaria		65	-	8,5			46	3	41	4	1,4	10-20	72	9
Canada		30	-	1,8			26	3	49	4	-2,8	10-20	14	14
China		107	-	4			111	5	160	4	0,96	20-40	65	11
France		40	-	2,1			14	2	12	2	-8,7	10-20	21	18
Germany		6	-	0,6			11	1	13	2	-0,01	20-40	9	10
India		135	-	8			151	5	180	4	1,3	>80	85	22
Indonesia		92	-	6,7			105	5	164	5	-2,6	20-40	110	24
Italy		79	-	3,3			41	1	23	3	-0,3	40-80	41	9
Malaysia		102	-	6,3			67	5	130	4	-3,8	10-20	61	34
Mexico		33	5	6,6			87	3	73	4	-1,2	40-80	126	15
Netherlands		28	-	0,6			23	2	11	2	7	10-20	8	10
Poland		60	-	5,5			21	3	46	3	3,8	10-20	45	10
Russia		-	-	13			43	-	112	5	0	10-20	137	11
South Africa		20	4	2,7			76	3	116	5	-1,9	>80	72	30
Spain		18	-	2,3			33	2	27	3	0,25	40-80	35	10

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Sand (2/2)

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (best) - 5 (worst)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Turkey		129	4	15,6			71	5	172	5	0,65	40-80	101	31
Uganda		78	18	4,2	yes		154	4	125	5	-15	<10	142	26
United Kingdom		15	-	1,8			37	4	2	1	2,7	10-20	18	11
United States		43	-	3,3			45	4	43	4	-1,2	20-40	24	13

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Selenium

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (best) - 5 (worst)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Belgium		10	-	1			9	3	21	2	-0,3	>80	18	13
Canada		30	-	1,8			26	3	49	4	-2,8	10-20	14	14
China		107	-	4			111	5	160	4	0,96	20-40	65	11
Finland		3	-	1,4			5	1	3	2	-1,7	<10	2	4
Germany		6	-	0,6			11	1	13	2	-0,01	20-40	9	10
India		135	-	8			151	5	180	4	1,3	>80	85	22
Japan		125	-	1,1			29	2	25	5	-0,53	10-20	18	19
Peru		34	15	7,1			109	4	101	5	-0,97	40-80	101	18
Poland		60	-	5,5			21	3	46	3	3,8	10-20	45	10
Russia		-	-	13			43	-	112	5	0	10-20	137	11
Sweden		5	-	0,6			6	1	5	4	-3,5	<10	5	6
Turkey		129	4	15,6			71	5	172	5	0,65	40-80	101	31

Risks														
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%	
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%	
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%	
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%	

Silver

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (best) - 5 (worst)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Argentina		36	-	4,2			68	3	92	4	-10	10-20	94	16
Australia		26	-	1,6			40	3	17	4	-1	20-40	13	13
Bolivia		56	14	7,2	yes		85	3	99	5	-5,6	<10	126	24
Chile		27	6	3,2			60	3	65	4	-0,08	>80	27	23
China		107	-	4			111	5	160	4	0,96	20-40	65	11
India		135	-	8			151	5	180	4	1,3	>80	85	22
Mexico		33	5	6,6			87	3	73	4	-1,2	40-80	126	15
Peru		34	15	7,1			109	4	101	5	-0,97	40-80	101	18
Poland		60	-	5,5			21	3	46	3	3,8	10-20	45	10
Russia		-	-	13			43	-	112	5	0	10-20	137	11
United States		43	-	3,3			45	4	43	4	-1,2	20-40	24	13

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Sulphur

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (best) - 5 (worst)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Canada		30	-	1,8			26	3	49	4	-2,8	10-20	14	14
Chile		27	6	3,2			60	3	65	4	-0,08	>80	27	23
China		107	-	4			111	5	160	4	0,96	20-40	65	11
India		135	-	8			151	5	180	4	1,3	>80	85	22
Iran		143	-	7,1			115	5	133	5	1,7	>80	147	42
Japan		125	-	1,1			29	2	25	5	-0,53	10-20	18	19
Kazakhstan		62	-	11,1			55	5	93	4	77	20-40	101	11
Russia		-	-	13			43	-	112	5	0	10-20	137	11
Saudi Arabia		131	-	21,3			-	4	109	3	47	>80	54	35
South Korea		105	-	3,5			57	5	63	4	-1	20-40	31	19
United Arab Emirates		71	-	13,4			-	5	39	3	120	>80	27	38
United States		43	-	3,3			45	4	43	4	-1,2	20-40	24	13

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Tantalum

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (best) - 5 (worst)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Australia		26	-	1,6			40	3	17	4	-1	20-40	13	13
Bolivia		56	14	7,2			85	3	99	5	-5,6	<10	126	24
Brazil		57	5	5			84	5	81	5	-5,9	10-20	94	23
Burundi		35	31	7,5			157	5+	151	5	-2	<10	171	-
China		107	-	4			111	5	160	4	0,96	20-40	65	11
Democratic Republic of the Congo		140	15	4,2			144	4	119	5	-3,6	<10	166	-
Ethiopia		75	45	6,3			152	4	143	5	-3,6	<10	94	26
Mozambique		25	-	3			128	3	144	5	-10	<10	142	24
Nigeria		130	31	7,8			161	4	162	5	-6,1	<10	150	23
Russia		-	-	13			43	-	112	5	0	10-20	137	11
Rwanda		12	19	4,3			132	3	138	5	-2,9	<10	54	8
Uganda		78	18	4,2			154	4	125	5	-15	<10	142	26

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76-125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Tellurium

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (best) - 5 (worst)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Bulgaria		65	-	8,5			46	3	41	4	1,4	10-20	72	9
Canada		30	-	1,8			26	3	49	4	-2,8	10-20	14	14
China		107	-	4			111	5	160	4	0,96	20-40	65	11
Japan		125	-	1,1			29	2	25	5	-0,53	10-20	18	19
Russia		-	-	13			43	-	112	5	0	10-20	137	11
South Africa		20	4	2,7			76	3	116	5	-1,9	>80	72	30
Sweden		5	-	0,6			6	1	5	4	-3,5	<10	5	6
Uzbekistan		-	21	7,4			108	-	107	3	25	40-80	126	6

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Tin

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (best) - 5 (worst)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Australia		26	-	1,6			40	3	17	4	-1	20-40	13	13
Bolivia		56	14	7,2	yes		85	3	99	5	-5,6	<10	126	24
Brazil		57	5	5			84	5	81	5	-5,9	10-20	94	23
China		107	-	4	yes		111	5	160	4	0,96	20-40	65	11
Democratic Republic of the Congo		140	15	4,2	yes	yes	144	4	119	5	-3,6	<10	166	-
Indonesia		92	-	6,7	yes		105	5	164	5	-2,6	20-40	110	24
Laos		54	28	5,3			141	5	149	5	380	<10	126	-
Malaysia		102	-	6,3			67	5	130	4	-3,8	10-20	61	34
Myanmar		123	10	12,1			74	5+	179	5	-3,5	20-40	157	19
Nigeria		130	31	7,8			161	4	162	5	-6,1	<10	150	23
Peru		34	15	7,1			109	4	101	5	-0,97	40-80	101	18
Russia		-	-	13			43	-	112	5	0	10-20	137	11
Vietnam		72	7	4,1			104	4	178	5	-3,1	20-40	77	10

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Titanium

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (best) - 5 (worst)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Brazil		57	5	5			84	5	81	5	-5,9	10-20	94	23
Canada		30	-	1,8			26	3	49	4	-2,8	10-20	14	14
China		107	-	4			111	5	160	4	0,96	20-40	65	11
India		135	-	8			151	5	180	4	1,3	>80	85	22
Japan		125	-	1,1			29	2	25	5	-0,53	10-20	18	19
Kazakhstan		62	-	11,1			55	5	93	4	77	20-40	101	11
Mozambique		25	-	3			128	3	144	5	-10	<10	142	24
Russia		-	-	13			43	-	112	5	0	10-20	137	11
Saudi Arabia		131	-	21,3			-	4	109	3	47	>80	54	35
Senegal		104	23	2,9			119	4	136	5	-0,76	20-40	72	21
South Africa		20	4	2,7			76	3	116	5	-1,9	>80	72	30
Ukraine		66	3	12,8			44	-	52	4	4,1	10-20	116	9
Vietnam		72	7	4,1			104	4	178	5	-3,1	20-40	77	10

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Vanadium

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (best) - 5 (worst)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Australia		26	-	1,6			40	3	17	4	-1	20-40	13	13
Brazil		57	5	5			84	5	81	5	-5,9	10-20	94	23
China		107	-	4			111	5	160	4	0,96	20-40	65	11
Russia		-	-	13			43	-	112	5	0	10-20	137	11
South Africa		20	4	2,7			76	3	116	5	-1,9	>80	72	30
United States		43	-	3,3			45	4	43	4	-1,2	20-40	24	13

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Zinc

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	yes or no for product	yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (best) - 5 (worst)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Australia		26	-	1,6			40	3	17	4	-1	20-40	13	13
Bolivia		56	14	7,2	YES		85	3	99	5	-5,6	<10	126	24
Canada		30	-	1,8			26	3	49	4	-2,8	10-20	14	14
China		107	-	4			111	5	160	4	0,96	20-40	65	11
India		135	-	8			151	5	180	4	1,3	>80	85	22
Kazakhstan		62	-	11,1			55	5	93	4	77	20-40	101	11
Mexico		33	5	6,6			87	3	73	4	-1,2	40-80	126	15
Peru		34	15	7,1			109	4	101	5	-0,97	40-80	101	18
Russia		-	-	13			43	-	112	5	0	10-20	137	11
Sweden		5	-	0,6			6	1	5	4	-3,5	<10	5	6
United States		43	-	3,3			45	4	43	4	-1,2	20-40	24	13

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%



Country overview

Risks per country (1/6)

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	Yes or no for product	Yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (best) - 5 (worst)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Algeria		144	3	1,9			96	5	155	5	1,4	40-80	116	16
Argentina		36	-	4,2			68	3	92	4	-10	10-20	94	16
Armenia		61	4	8,9			66	3	56	4	1,6	20-40	63	14
Australia		26	-	1,6			40	3	17	4	-1	20-40	13	13
Austria		47	-	1,9			19	1	8	3	-2,3	<10	22	5
Belgium		10	-	1			9	3	21	2	-0,3	>80	18	13
Bhutan		103	4	-			140	-	85	5	0,49	<10	25	-
Bolivia		56	14	7,2	Gold, Silver, Tin, Zinc		85	3	99	5	-5,6	<10	126	24
Brazil		57	5	5			84	5	81	5	-5,9	10-20	94	23
Bulgaria		65	-	8,5			46	3	41	4	1,4	10-20	72	9
Burkina Faso		109	42	3,7	Gold	Gold	143	4	127	5	-0,36	10-20	77	44
Burundi		35	31	7,5			157	5+	151	5	-2	<10	171	-
Cameroon		94	39	5,8	Gold		150	4	153	5	-1,7	<10	142	32
Canada		30	-	1,8			26	3	49	4	-2,8	10-20	14	14
Central African Republic		-	27	5,2			159	5+	75	5	-1,3	<10	150	-

Risks														
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%	
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%	
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%	
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%	

Risks per country (2/6)

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	Yes or no for product	Yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (best) - 5 (worst)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Chile		27	6	3,2			60	3	65	4	-0,08	>80	27	23
China		107	-	4		Lithium-Ion Batteries, Photovoltaic Ingots, Photovoltaic Wafers, Polysilicon, Solar Cells, Solar, Modules	111	5	160	4	0,96	20-40	65	11
Colombia		42	7	7,8	Gold		-	5	87	5	-2,2	<10	91	24
Cuba		-	-	5,4			-	-	60	5	-0,17	10-20	65	-
Democratic Republic of the Congo		140	15	4,2	Cobalt ores (hetergenite), Copper, Gold, Tantalum ore (cassiterite), Tin Ore (Cassiterite), Tungsteen ore (wolframite)	Gold, Tantalum ore (coltan), Tin ore (cassiterite), Tungsten (wolframite)	144	4	119	5	-3,6	<10	166	-
Dominican Republic		81	4	6,6			77	2	89	5	-2,5	10-20	123	28

Risks														
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%	
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%	
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%	
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%	

Risks per country (3/6)

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	Yes or no for product	Yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (best) - 5 (worst)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Ecuador		50	-	7,6	Gold		91	5	66	5	-1,5	<10	101	19
Egypt		134	5	4,3			70	5	127	5	2,16	>80	130	19
Ethiopia		75	45	6,3	Gold		152	4	143	5	-3,6	<10	94	26
Finland		3	-	1,4			5	1	3	2	-1,7	<10	2	4
France		40	-	2,1			14	2	12	2	-8,7	10-20	21	18
Gabon		-	19	7,6			-	3	51	5	0,41	<10	136	35
Georgia		76	2	7,8			90	3	103	5	2,3	<10	41	15
Germany		6	-	0,6			11	1	13	2	-0,01	20-40	9	10
Ghana		100	20	2,9	Gold		133	2	170	5	-5,1	<10	72	27
Guatemala		117	-	7,8			83	5	167	5	-6	10-20	150	33
Guinea		137	24	4	Gold		155	4	146	5	-8,3	<10	147	25
Iceland		1	-	-			7	1	10	1	0	<10	14	15
India		135	-	8	Mica		151	5	180	4	1,3	>80	85	22
Indonesia		92	-	6,7	Gold, Tin		105	5	164	5	-2,6	20-40	110	24
Iran		143	-	7,1			115	5	133	5	1,7	>80	147	42
Iraq		-	5	5,5			-	5	169	5	31	>80	157	29
Israel		83	-	3,8			15	2	57	4	4,9	>80	31	13

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10 - -15%	>80%	86-180	40-48%

Risks per country (4/6)

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	Yes or no for product	Yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (best) - 5 (worst)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Italy		79	-	3,3			41	1	23	3	-0,3	40-80	41	9
Ivory Coast		122	22	7,3			145	3	138	5	-6,9	<10	99	28
Jamaica		24	3	7,3			95	3	72	4	-0,88	<10	69	-
Japan		125	-	1,1			29	2	25	5	-0,53	10-20	18	19
Kazakhstan		62	-	11,1			55	5	93	4	77	20-40	101	11
Laos		54	28	5,3			141	5	149	5	380	<10	126	-
Liberia		39	32	3,1			142	4	174	5	-3,6	<10	142	43
Madagascar		51	37	4,6	Mica		137	3	167	5	-5,9	10-20	142	25
Malaysia		102	-	6,3			67	5	130	4	-3,8	10-20	61	34
Mexico		33	5	6,6			87	3	73	4	-1,2	40-80	126	15
Mongolia		80	15	4	Gold		81	-	155	5	-3,4	40-80	116	19
Morocco		136	-	2,3			97	3	160	5	3,4	40-80	94	21
Mozambique		25	-	3			128	3	144	5	-10	<10	142	24
Myanmar		123	10	12,1			74	5+	179	5	-3,5	20-40	157	19
Netherlands		28	-	0,6			23	2	11	2	7	10-20	8	10
Nigeria		130	31	7,8	Gold		161	4	162	5	-6,1	<10	150	23
Norway		2	-	0,5			3	1	20	4	-1,4	<10	4	8

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Risks per country (5/6)

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	Yes or no for product	Yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (best) - 5 (worst)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Papua New Guinea		-	-	10,5			130	-	175	5	-0,08	<10	130	-
Peru		34	15	7,1	Gold	Gold	109	4	101	5	-0,97	40-80	101	18
Philippines		16	-	7,8	Gold		92	5	158	5	-1,4	20-40	116	48
Poland		60	-	5,5			21	3	46	3	3,8	10-20	45	10
Portugal		32	-	3,8			24	2	48	4	-3,4	40-80	33	11
Republic of the Congo		-	14	8			110	3	99	5	-1,4	<10	164	40
Russia		-	-	13			43	-	112	5	0	10-20	137	11
Rwanda		12	19	4,3			132	3	138	5	-2,9	<10	54	8
Saudi Arabia		131	-	21,3			-	4	109	3	47	>80	54	35
Senegal		104	23	2,9	Gold		119	4	136	5	-0,76	20-40	72	21
South Africa		20	4	2,7			76	3	116	5	-1,9	>80	72	30
South Korea		105	-	3,5			57	5	63	4	-1	20-40	31	19
Spain		18	-	2,3			33	2	27	3	0,25	40-80	35	10
Sudan		-	18	4	Gold		-	5	171	5	3,5	10-20	101	-
Sweden		5	-	0,6			6	1	5	4	-3,5	<10	5	6

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

Risks per country (6/6)

	Risks	Discrimination & gender	Child labour	Forced labour	Child labour	Forced labour	Labour rights and fair wages	Freedom of association	Environmental issues	Ecological Threat Score	Biodiversity & deforestation	Water use and water availability	Governance: corruption	Governance: land tenure
	Indexes	Global Gender Gap Index 2023	Child Labour per country (2023)	Estimated prevalence of modern slavery per country (2023)	Sweat and toil (2022)	Sweat and toil (2022)	Progressivity of Labour Legislation (2022)	ITUC Global Rights Index 2023	Country ranking environmental issues	Ecological Threat Score	Global Deforestation Rates by Country	Water stress by country	Corruption per country (2022)	Perceived tenure insecurity per country
Production countries		Country rank 1 (equality) - 146 (inequality)	% child labour	Prevalence & Number per 1000 people	Yes or no for product	Yes or no for product	Country rank 1 (best) - 161 (worst)	Score 1 = irregular violations - 5= no guarantee of rights	Country rank 1 (best) - 180 (worst)	Score 1 (best) - 5 (worst)	Net change in tree cover -15% (worst) - +15%	0-100%	Country rank 1 (low corruption) - 180 (high corruption)	2% (low) - 48% (high)
Tajikstan		111	-	14			64	-	117	5	10	20-40	150	11
Tanzania		48	25	2,9	Gold		146	4	134	5	-15	10-20	94	22
Thailand		74	-	5,7			100	5	108	5	0,38	40-80	101	17
Togo		90	39	3,3			131	3	135	5	-5,9	<10	130	26
Tunesia		128	2	2,3			65	5	96	4	-4,83	>80	85	24
Turkey		129	4	15,6			71	5	172	5	0,65	40-80	101	31
Uganda		78	18	4,2	Gold		154	4	125	5	-15	<10	142	26
Ukraine		66	3	12,8			44	-	52	4	4,1	10-20	116	9
United Arab Emirates		71	-	13,4			-	5	39	3	120	>80	27	38
United Kingdom		15	-	1,8			37	4	2	1	2,7	10-20	18	11
United States		43	-	3,3			45	4	43	4	-1,2	20-40	24	13
Uzbekistan		-	21	7,4			108	-	107	3	25	40-80	126	6
Vietnam		72	7	4,1			104	4	178	5	-3,1	20-40	77	10
Zambia		85	23	5,1			139	4	106	5	-7,3	<10	116	27
Zimbabwe		45	28	5	Gold		158	5	69	5	-5,9	20-40	157	27

Risks													
low	1-39	0	0-2,5			1-25	1	1-49	1-2	>0	<10%	1-35	2-12%
medium	40-79	1%-5%	2,5-8			26-75	2-3	50-89	3	0 - -2%	10-40%	36-65	12-20%
high	80-100	6%-10%	8-10			76- 125	4	90-139	4	-2 - -10%	40-80%	66-85	20-40%
very high	101-146	>10%	>10	yes	yes	126-161	5	140-180	5	-10- -15%	>80%	86-180	40-48%

