



ESG Factors Disclosure: iBoxx MSCI EUR Senior Corporates Investment Grade ESG Factor Weighted (version 2) Index

November 2021

- 1 ESG Factor Disclosure for iBoxx MSCI EUR Senior Corporates Investment Grade ESG Factor Weighted (version 2) Index 3
- 2 Combined ESG Factors Disclosure 4
- 3 Environmental ESG Factors Disclosure 5
- 4 Social ESG Factors Disclosure 6
- 5 Governance ESG Factors Disclosure 7
- 6 ESG Factors Description 8

1 ESG Factor Disclosure for iBoxx MSCI EUR Senior Corporates Investment Grade ESG Factor Weighted (version 2) Index

Benchmark type	Fixed Income
Report as of date	31 October 2021
ESG data sources	<p>The primary source for ESG data is MSCI ESG Research. Further other sources, listed below, are referred for specific disclosures</p> <ul style="list-style-type: none"> • Climate Bond Initiative, Environmental Finance and IHS Markit Reference Data: Referred for green bonds. • Sustainalytics ESG Research: Referred for (1) Social Violations (Sov*) and (2) Human Rights Performance Score (Sov*)
Coverage (% ,bond count)	For all reported ESG metrics coverage is calculated as number of bonds where the ESG metric is available relative to the total number of bonds in the index.
Coverage (% ,index weight)	For all reported ESG metrics coverage is calculated as to index weights where the ESG metric is available.
Applicable Disclosures	Disclosures applicable for Sovereigns / Fixed Income Corporates are highlighted as (Sov/Corp*) respectively, as per Commission Delegated Regulation supplementing Regulation (EU) 2016/1011
iBoxx Sector classification	Index Weight
Corporates	100.0%
Total	100.0%

2 Combined ESG Factors Disclosure

Disclosure Factors			Factor Value	Coverage (%, bond count)	Coverage (%, index weight)
Consolidated ESG Rating	Consolidated ESG Score	Corporates	7.3	100.0%	100.0%
		Sovereigns	-	-	-
Rating Distribution			ESG Risk Category	Index Weight	
			AAA	16.7%	
			AA	34.7%	
			A	28.8%	
			BBB	19.8%	
ESG Ratings of Top 10 Constituents	Issuer	Coupon (%)	Maturity	Index Weight	ESG Risk Rating
	Microsoft Corp	3.125	6-Dec-28	0.33%	AAA
	Roche Finance Europe BV	0.875	25-Feb-25	0.27%	A
	Johnson & Johnson	1.650	20-May-35	0.25%	BBB
	Bunge Finance Europe BV	1.850	16-Jun-23	0.22%	AAA
	Molson Coors Brewing Co	1.250	15-Jul-24	0.22%	AAA
	Walgreens Boots Alliance Inc	2.125	20-Nov-26	0.22%	BBB
	Amgen Inc	2.000	25-Feb-26	0.22%	AA
	AP Moller - Maersk A/S	1.750	16-Mar-26	0.21%	AA
	Alimentation Couche Tard Inc	1.875	6-May-26	0.21%	BBB
Knorr-Bremse AG	1.125	13-Jun-25	0.21%	A	
International Standard Signatories (%) (Sov*)			Index Weight	Coverage (%, bond count)	Coverage (%, index weight)
			-	-	-

3 Environmental ESG Factors Disclosure

Disclosure Factors		Factor Value	Coverage (%, bond count)	Coverage (%, index weight)
Consolidated Environmental Score	Corporates	6.7	100.0%	100.0%
	Sovereigns	-	-	-
High Climate Impact (NACE) Sectors (% , Index Weight) (Corp*)		56.9%	100.0%	100.0%
GHG Intensity	Corporates	163.2	100.0%	100.0%
Reported Emissions (% , Index Weight)	Corporates	90.7%		
Estimated Emissions (% , Index Weight)	Corporates	9.3%		
GHG Intensity	Sovereigns	-	-	-
Energy and Mining (NACE) Sectors (% , Index Weight) (Corp*)		7.3%	100.0%	100.0%
Green Bonds (% , Index Weight)		7.5%	NA	NA

4 Social ESG Factors Disclosure

Disclosure Factors		Factor Value	Coverage (%, bond count)	Coverage (%, index weight)
Consolidated Social Score	Corporates	5.2	100.0%	100.0%
	Sovereigns	-	-	-
Controversial Weapons (% , Index Weight) (Corp*)		0.0%	100.0%	100.0%
Tobacco (% , Index Weight) (Corp*)		0.7%	100.0%	100.0%
Social Violations (bond count)	Corporates	4.0	100.0%	100.0%
	Sovereigns	-	-	-
Social Violations (% of constituents)	Corporates	0.2%	100.0%	100.0%
	Sovereigns	-	-	-
Human Rights Performance Score (Sov*)		-	-	-
Income Inequality Score (% , Weighted average) (Sov*)		-	-	-
Freedom of Expression Score (Sov*)		-	-	-
ILO Policy Non-Compliance (% , Index Weight) (Corp*)		7.9%	94.8%	94.5%
Gender Pay Gap Score (Weighted average ratio) (Corp*)		12.7	24.5%	23.9%
Female to Male Board Members (% , Weighted average ratio) (Corp*)		57.9	99.2%	99.8%
Accidents, Injuries, Fatalities (Weighted average count) (Corp*)		5.9	21.4%	26.1%
Corruption & Bribery Convictions (Number of cases) (Corp*)		77.0	97.7%	98.4%

5 Governance ESG Factors Disclosure

Disclosure Factors		Factor Value	Coverage (%, bond count)	Coverage (%, index weight)
Consolidated Governance Score	Corporates	5.6	100.0%	100.0%
	Sovereigns	-	-	-
Corruption Score (Sov*)		-	-	-
Political Stability Score (Sov*)		-	-	-
Rule of Law Score (Sov*)		-	-	-

6 ESG Factors Description

Disclosure Factors	Description
Consolidated ESG Rating	Weighted average ESG score of the index. Measures the aggregated overall environmental, social, and governance performance of the issuers in the index. Issuers with low risk exposure and strong management of ESG risk factors score highest. Scores range from 0 (worst) to 10 (best).
ESG Rating Distribution	Measured as total index weight within each ESG rating group
International Standards Signatories %	<p>Measured as total index weight of countries that are parties to at least 7 of the following international conventions:</p> <ul style="list-style-type: none"> ● Convention on International Trade in Endangered Species of Wild Fauna and Flora ● Basel Convention ● Biological Weapon Convention ● Convention on Cluster Munitions ● Kyoto Protocol ● Anti-Personnel Landmines Convention ● Chemical Weapon Convention ● Convention on Biological Diversity (CBD) ● International Convention for the Protection of All Persons from Enforced Disappearance ● Convention against Torture and Other Cruel, Inhuman or Degrading Treatment or Punishment ● Convention on Certain Conventional Weapons ● United Nations Convention against Transnational Organized Crime ● World Health Organization Framework Convention on Tobacco Control ● United Nations Convention against Corruption <p>Countries which have deposited any of the ratification instruments are considered as party to the protocol.</p>
Consolidated Environmental Score	Weighted average environmental pillar score of the index. Measures the aggregated environmental performance of the issuers in the index and indicates how well issuers manage their most material environmental risks. Issuers with low risk exposure and strong management of environmental risk factors score highest. Scores range from 0 (worst) to 10 (best).
High Climate Impact (NACE) Sectors	<p>Covering specific sectors as listed in Sections A to H and Section L of Annex I to Regulation (EC) No 1893/2006</p> <p>Section A — Agriculture, Forestry and Fishing</p> <p>Section B — Mining and Quarrying</p> <p>Section C — Manufacturing</p> <p>Section D — Electricity, Gas, Steam and Air Conditioning Supply</p> <p>Section E — Water Supply; Sewerage, Waste Management and Remediation Activities</p> <p>Section F — Construction</p>

Disclosure Factors	Description
	<p>Section G — Wholesale and Retail Trade; Repair of Motor Vehicles And Motorcycles</p> <p>Section H — Transportation and Storage</p> <p>Section L — Real Estate Activities</p> <p>Range: 0 to 100; lower value represents lower exposure to high climate impact (NACE) sectors.</p>
GHG intensity (Sovereigns)	<p>This data point represents GHG intensity of an economy (in tons per USD million GDP nominal). The higher the value the more carbon intensive the economy is. Six greenhouse gases, considered under Kyoto Protocol, are considered for this data point. These gases are carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride. GDP is in nominal terms. (Sources: EDGAR, WDI).</p>
GHG intensity (Corporates)	<p>This figure represents the company's most recently reported or estimated Scope 1 + Scope 2 greenhouse gas emissions normalized by sales in USD (tons of CO2/USD million sales).</p>
Percentage of Reported/Estimated emissions	<p>Indicates whether emissions are reported ("Reported") or estimated ("Estimated"). Reported/Estimated emissions % is not applicable for Sovereigns.</p>
Activities fall under Divisions 05 to 09, 19 and 20 of Annex I to Regulation (EC) No 1893/2006	<p>Covering specific activities falling under Divisions 05 to 09, 19 and 20 of Annex I to Regulation (EC) No 1893/2006</p> <p>Division 5 - Mining of coal and lignite</p> <p>Division 6 - Extraction of crude petroleum and natural gas</p> <p>Division 7 - Mining of metal ores</p> <p>Division 8 - Other mining and quarrying</p> <p>Division 9 - Mining support service activities</p> <p>Division 19 - Manufacture of coke and refined petroleum products</p> <p>Division 20 - Manufacture of chemicals and chemical products</p> <p>Range: 0 to 100; lower value represents lower exposure to energy and mining (NACE) sectors.</p>
Green Bonds %	<p>The classification of instruments as Green Bonds is based upon usage of proceeds as reported by Climate Bonds Initiatives (CBI) and Environmental Finance (EF). Data is further verified based on publicly available prospectus and other relevant documents.</p> <p>Range: 0 to 100; higher value represents higher weight of green bonds in the index.</p>
Consolidated Social Score	<p>Weighted average social pillar score of the index. Measures the aggregated social performance of the issuers in the index and indicates how well issuers manage their most material social risks. Issuers with low risk exposure and strong management of social risk factors score highest. Scores range from 0 (worst) to 10 (best).</p>
Controversial Weapons Sector	<p>Exposure to companies with ties to controversial weapons such as landmines, cluster munitions, biological and chemical weapons, depleted uranium weapons, blinding lasers, incendiary weapons and non-detectable fragments.</p>

Disclosure Factors	Description
	<p>International treaties and conventions, United Nations principles or, where applicable, national law used in order to determine what constitutes a 'controversial weapon':</p> <ul style="list-style-type: none"> ● The Convention on the Prohibition of the Development, Production, Stockpiling and Use of Chemical Weapons and on Their Destruction ● The Convention on the Prohibition of the Development, Production and Stockpiling of Bacteriological (Biological) and Toxin Weapons and on their Destruction ● Convention on the Prohibition of the Use, Stockpiling, Production and Transfer of Anti-Personnel Mines and on their Destruction, ● Convention on Prohibitions or Restrictions on the Use of Certain Conventional Weapons Which May Be Deemed to Be Excessively Injurious or to Have Indiscriminate Effects ● The Convention on Cluster Munitions
Tobacco Sector	<p>Exposure to companies flagged for involvement in tobacco. Specifically, tobacco producers and companies that derive 5% or more aggregate revenue from the manufacture, distribution, retailing, licensing, and supply of tobacco products.</p>
Social Violations (Sovereigns)	<p>Indicator captures events with high and severe negative ESG impact are that may affect the prosperity and economic development of a country and its ability to manage its wealth in an effective and sustainable manner. Lower value represents low level of involvement in social violations</p>
Social Violations (Corporates)	<p>Companies with controversies that are assessed as "very severe", related to a firm's impact on Customers, Human Rights & Community, and Labor Rights & Supply Chain.</p>
Human Rights Performance Score	<p>Aggregated quantitative indicator considering:</p> <ul style="list-style-type: none"> ● Civil Liberties-Score: This indicator captures perceptions of the extent to which a country's citizens enjoy civil liberties including freedoms of expression, assembly, association, education, and religion; also, if the countries has an established an generally fair legal system that ensures the rule of law, allow free economic activity and strives for equality of opportunity for everyone. ● Level of Peace-Score: The Global Peace Index, produced by the Institute for Economics & Peace (IEP), ranks 163 countries (99.7% of the world's population) according to 23 qualitative and quantitative indicators of peace. ● Political Rights-Score: This indicator captures perceptions of the extent to which a country enjoy a wide range of political rights, including free and fair elections; it considers also the functioning of the political system, assessing whether elected candidates actually rule, political parties are competitive, the opposition plays a role and has power, and minority group are represented. ● Human Rights Conventions-Score: Based on the fundamental human rights conventions. Score description: 0 if no conventions or treaties are ratified; 50 if some conventions and/or treaties have been ratified; 100 if all conventions and treaties have been ratified

Disclosure Factors	Description
Income Inequality Score	Higher value indicates a high level of adherence to promote and protect human rights and fundamental freedoms of individuals or groups.
Freedom of Expression Score	Measures the equality of income distribution within the population. Ranges from 0 (perfect inequality) to 100 (perfect equality).
International Labour Organisation (ILO) Policy Non-Compliance	Weighted average freedom of the press score. Countries with higher scores demonstrate higher press freedom.
Gender Pay Gap Score	Aggregate index weight of companies with no evidence of due diligence policies addressing internationally recognized labor conventions.
Female to Male Board Members	Difference between average gross hourly earnings of male and female employees as a percentage of male gross earnings
Accidents, Injuries, Fatalities Score	Ratio of female to male board members. Higher value represents a higher representation of female board members.
Corruption & Bribery Convictions	Weighted average total recordable injury rate per million hours worked. It includes fatalities, lost time injuries, restricted work injuries and medical treatment injuries
Consolidated Governance Score	Total number of controversy cases in last three years related to company's involvement in bribery & corruption issues.
Corruption Score	Weighted average governance pillar score of the index. Measures the aggregated governance performance of the issuers in the index and indicates how well issuers manage their most material governance risks. Issuers with low risk exposure and strong management of governance risk factors score highest. Scores range from 0 (worst) to 10 (best).
Political Stability Score	Indicator assesses a country's control of corruption, using two data points: (1) corruption perception index, and (2) control of corruption. Countries with higher perceived corruption score poorly. (Score: 0-10)
Rule of Law Score	Indicator assesses the level of stability and peace. This sub-factor is assessed using two data points: <ul style="list-style-type: none"> ● political stability and absence of violence/ terrorism, which captures the perceptions of the likelihood that the government will be destabilized or overthrown by unconstitutional or violent means, including politically motivated violence and terrorism; and ● global peace index, which measures the relative position of nations' and regions' peacefulness by gauging ongoing domestic and international conflict, safety and security in society, and militarization in different regions. Countries with high political instability and violence and conflict score poorly. (Score: 0-10)

Disclosure Factors

Description

violence. Countries with higher score demonstrate better rule of law.

Content modified: 2021-12-06T14:54:47.000+01:00

The information in this document is provided "as is." IHS Markit and its affiliates make no warranty, expressed or implied, including, without limitation, any warranties as of merchantability, fitness for a particular purpose, accuracy, completeness or timeliness, or as to the results to be obtained by recipients of the products and services described herein, and shall not in any way be liable for any inaccuracies, errors or omissions herein. IHS Markit products are governed by the terms and conditions of the agreements under which they are provided. Copyright © 2021, IHS Markit. All rights reserved. Any unauthorised use, disclosure, reproduction or dissemination, in full or in part, in any media or by any means, without the prior written permission of IHS Markit is strictly prohibited.