## BlackRock.



**Fixed Income** 

December 2022

Emerging Markets Impact Bond Fund, a sub-fund of BlackRock Global Funds (BGF)

# Mobilising resources to Emerging Markets (EM) for a greater impact

The Fund is actively managed and the investment adviser (IA) has discretion to select the Fund's investments. The Fund has an unconstrained investment style (i.e. it will not take a benchmark index into account when selecting the Fund's investments). The JP Morgan ESG Green Bond Emerging Markets Index (USD Hedged) (the "Index") should be used by investors to compare the performance of the Fund over the long term.

## **Contents**

01	Investment Opportunity	06	Investment Process
02	Fund Overview	07	Fund Characteristics
03	Why BlackRock is designed to manage GSS bonds in EM	08	Case Studies
04	The Team	07	Appendix
05	Fund Overview		

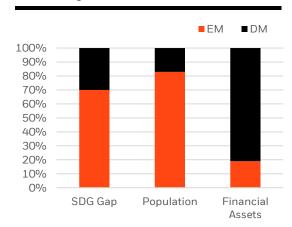
## Closing the Sustainable Development Goals (SDG) Gap

#### EM requires financing to close the SDG Gap<sup>1</sup>

- **USD \$6-8 trillion of financing per year** is needed to achieve the UN Sustainable Development Goals (SDGs). More than 70% of the SGD gap is located in EM countries. COVID added an additional USD \$1 trillion of recovery spending in EM.
- Reaching the globally agreed climate goals requires a 50% reduction in carbon emissions by 2030. **Emerging markets are essential to the transition to a low-carbon economy, but they are starved of capital to fund it.** There is insufficient cross-border public/private finance filling the gap.
- The COVID-19 pandemic has resulted in one of **the most damaging economic and humanitarian crises in the recent history**. According to the OECD, the majority of short term and medium-term SGDs impacted from COVID in EM are of social nature.

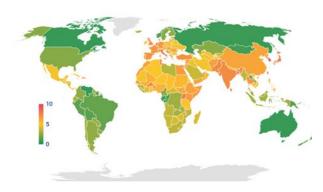
<sup>1</sup>Source: OECD, Global Outlook on Financing for Sustainable Development 2021, 30 June 2021

#### **SDG Gap in EM**



Source: OECD, Global Outlook on Financing for Sustainable Development 2021, 30 June 2021

#### Climate change risk



MSCI (10 = highest risk exposure, 0 = lowest risk exposure) Source: MSCI, 31 May 2021

#### **Social SDGs**



Source: OECD, Global Outlook on Financing for Sustainable Development 2021, 30 June 2021

## EM Green, Social and Sustainability ("GSS") Bonds

A direct impact play

'Use of proceeds' bonds directly support SDG achievement in EM, as allocation of bonds proceeds go to green/social business activities

#### **Green Bond**

(78% of the GSS market)

- Indian's leading renewable energy provider Renew Power issued a USD \$450m Green Bond
- Firm plans to use the funds to refinance the existing borrowings in solar and wind business
- The firm, with about 5.4 gigawatt (GW) of operational capacity of wind (60%) and solar (40%) power projects, and a project pipeline of 2.6GW

ReNew Power raises \$450 million through dollar bonds



Source: Mint News (India), January 2020.

#### **Social Bond**

(9% of the GSS market)

- The Finance Ministry of Chile issued their first Social Bond worth USD \$1.6bn
- The proceeds to be used for social benefits and target the following social SDGs:











'Chile issues first social bonds. achieving record overseas participation'

'Overseas investors accounted for approximately 48% of the total placement, ahead of the previous record of 24% in 2019'

Source: Invest Chile (Government Agency), November 2020

## **Sustainability Bond** (13% of the GSS market)

- Mexico issued a \$890m Sustainability Bond in September 2020 - first ever SDG Bond by a Sovereign
- The proceeds to finance government's pipeline of eligible projects at USD \$16bn (\$15bn social and \$1bn green) for 2020

Historic \$890 million Sustainable Development Goals Bond issued by Mexico

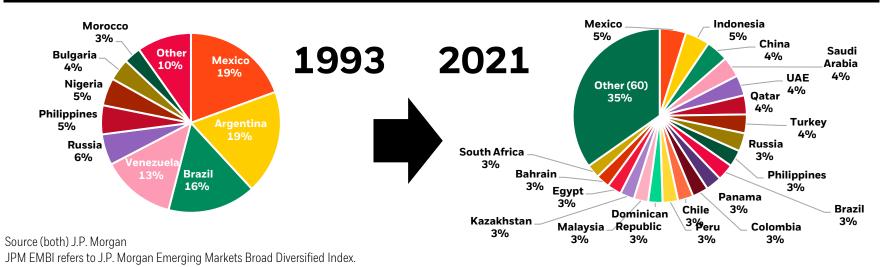


Source: UNDP (United Nations Development Programme), September 2020

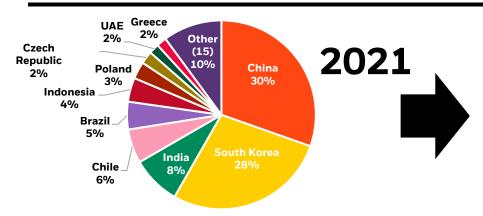
## **EM GSS Bond Universe**

## An asset class in the making

## JPM EMBI Global Diversified Composition<sup>1</sup>



## **EM GSS Bond Universe Composition**



- EM GSS universe increased from 7 countries and 30 issuers in 2016 to 25 countries and over 300 issuers in 2021
- There is tremendous potential for more countries and issuers to occupy the market
- In 2021, there has been already USD \$25 billion of new issuance of GSS bonds in EM

Source: BlackRock, Bloomberg, Environmental Finance, CBI, as of 5 June 2021.

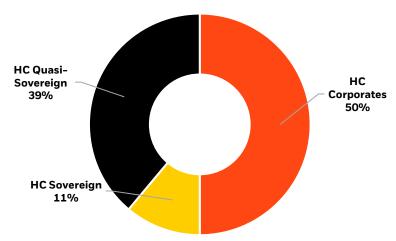
## **EM GSS Bond Universe**

## Not all EM GSS bonds are equal

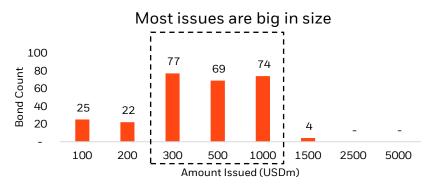
### **EM GSS Hard Currency Universe**

 The majority of Hard Currency GSS bonds are issued by corporates followed by quasi-sovereigns

Total Issuance \$123bn (65% of total GSS universe)



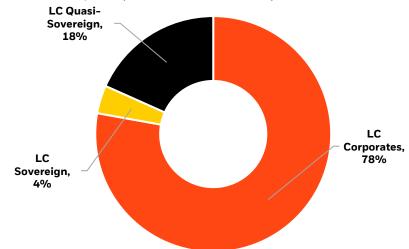
Source: BlackRock, Bloomberg, Environmental Finance, CBI, as of 5 June 2021



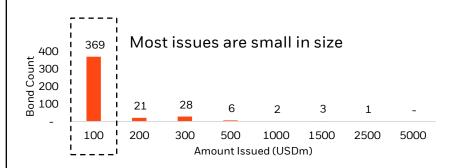
## **Local Currency Universe**

The majority of Local Currency GSS bonds are issued by corporates

Total Issuance \$67bn (35% of total GSS universe)



Source: BlackRock, Bloomberg, Environmental Finance, CBI, as of 5 June 2021



## **BGF Emerging Markets Impact Bond Fund**

The Fund seeks to achieve capital growth and income over the long term by investing at least 80% of its total assets in a relatively concentrated global portfolio of "Green, Social and Sustainability" (GSS) bonds issued by EM governments and companies.

The fund follows an unconstrained investment style and a long term approach. The fund aims to outperform the JPM EM green bond index over the long term.



The figures shown relate to past performance. Past performance is not a reliable indicator of current or future results.

Source: BlackRock, as of 30 November 2022.





#### **Internal Universe**

Internally created investment universe, screening GSS bonds using BlackRock's proprietary taxonomy.

Analysis of the use of proceeds and issuer alignment framework with the Green Bond Principles Social Bond Principles and Sustainability Bond Guidelines of the International Capital Markets Association.



#### **Active Approach**

Unconstrained approach allows high selectivity of issuers and issues.

Proven credit research process supports portfolio resiliency.

Active security selection combines credit and ESG integration at issuer level.



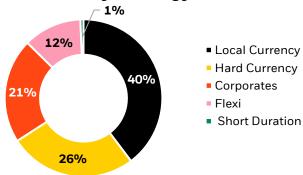
#### **Market Development**

The fund is expected to have an impact in the development of the new and undersupplied markets for green, social and sustainable bonds in EM, thus facilitating the mobilisation of resources to emerging economies where capital is needed to drive sustainable arowth.

Key features	
BGF Emerging Markets Impact Fund AUM	\$77 million as of 30 November 2022
EMD Team AUM	\$19 billion as of 30 November 2022
Launch Date	12 July 2021
Base currency	USD
Benchmark Index	J. P. Morgan ESG Green Bond Index EM hedged in USD
Regulatory Structure & Domicile	UCITS, Luxembourg
	1.05% For A2 USD share class
Ongoing charges	0.65% For D2 USD share class
	0.49% For I2 USD share class
Liquidity	Daily
Portfolio Manager	Michel Aubenas, Jack Deino, Ashley Schulten
ISIN for D2 share class	LU2337645589
Geographic focus	Global EM

## BlackRock Emerging Markets Debt Team

## **EM Bond Assets by Strategy**



## **Comprehensive Sustainable Product range**



There is no guarantee that a positive investment outcome will be achieved.

## BlackRock.

#### 1 Comprehensive Team and Platform

- 34-strong dedicated EMD team, supported by 27 EMD traders
- Three risk managers, fully independent and dedicated to the EMD team
- USD 140+ bn AUM in EMD across the platform, of which USD 19bn are managed by the dedicated EMD team

#### 2 All Weather Process

- Combining macro and country research frameworks that focus on fundamental, quantitative and idiosyncratic factors
- A corporate credit selection process that utilises screens, cash flow analysis and qualitative considerations to seek to avoid credit events
- ESG fully incorporated in active sovereign and corporate process, utilizing Aladdin integration for data management

#### 3 Leaders in EMD ESG<sup>1</sup>

- Partnered with JP Morgan index team to create new family of ESG benchmarks
- Only asset manager with full range of EMD ESG solutions. Winners of the "Best Fixed Income ESG Fund" in Environmental Finance 2019 Awards<sup>2</sup>
- Strong firmwide ESG resources

Source: Blackrock, as of 30 November 2022.

- $^{1}$  In 2018, Blackrock partnered with JP Morgan index team to launch first of its kind ESG indices in EM Fixed Income
- <sup>2</sup> In 2019, Environmental Finance, based in the United Kingdom, awarded the Best Fixed Income ESG Fund Award to the BlackRock ESG Emerging Markets Debt Funds.

## BlackRock's EMD team

- Size 22 alpha generators, 7 product strategists, 3 dedicated risk analysts, 2 dedicated Core PMs
- Experience 7 Managing Directors, 13 Directors
- Connectivity integral part of BlackRock's Global Fixed Income machinery led by Rick Rieder

#### Amer Bisat (32), global head of EMD

Academic (Professor of economics)
Policy experience (10 years at the IMF)
Financial market experience (Morgan Stanley, UBS, BLK)

#### Core PM

Q. Ton (17) J. Berardo (9)

#### **RQA**

O. Uras (12) M. Shevchenko (6) E. O'Hare (2)

## Sovereign PM/research

M. Aubenas (21)
P. Goldberg (27)
N. Ng Yan Luk (18)
S. Zanardini (13)
K. Veretinskii (9)
K. Leiton (10)
A.S. Monck (4)
W. Manan (4)
M-D. Vlad (1)

## Corporate PM/research

J. Deino (28)
C. Merrill (24)
J. Schwartz (20)
J. Yu (15)
M. Yu (14)
N. Do Nascimento (11)
C. Ward (5)
M. Siniscalco (2)
New joiner 2022

## Local PM/research

L. Develay (22)
M Wozniak (21)
P. Goldberg (27)
N. Ng Yan Luk (18)
M. Katrencik (9)
N. Do Nascimento (11)
W. Manan (4)

N. Dhingra (3)

#### **Product Strategy**

E. Bettoni (24)
W. Rodriguez (22)
K. Mapara (7)
A. Nazarova (6)
O. Bailey (4),
A. Moreno (7)
C. Chiu (4)

## Team leverages the breadth and scale of BlackRock's immense investment platform

BlackRock investment Institute

Trading and Liquidity (27 EMD traders)

RQA and BlackRock Solutions Responsible Investing Global Capital Markets

Source: BlackRock, as of 30 November 2022. RQA stands for Risk & Quantitative Analysis Group.



## **BGF Emerging Markets Impact Bond Fund**

## Portfolio Management Team

# Key Professionals Wichel Aubenas Head of EM Sovereign Debt Head of EM Corporate Debt Key Professionals Ashley Schulten Head of ESG investments Head of ESG Investments Fixed Income ESG Investments Ernesto Bettoni Head of EMD Product Strategy

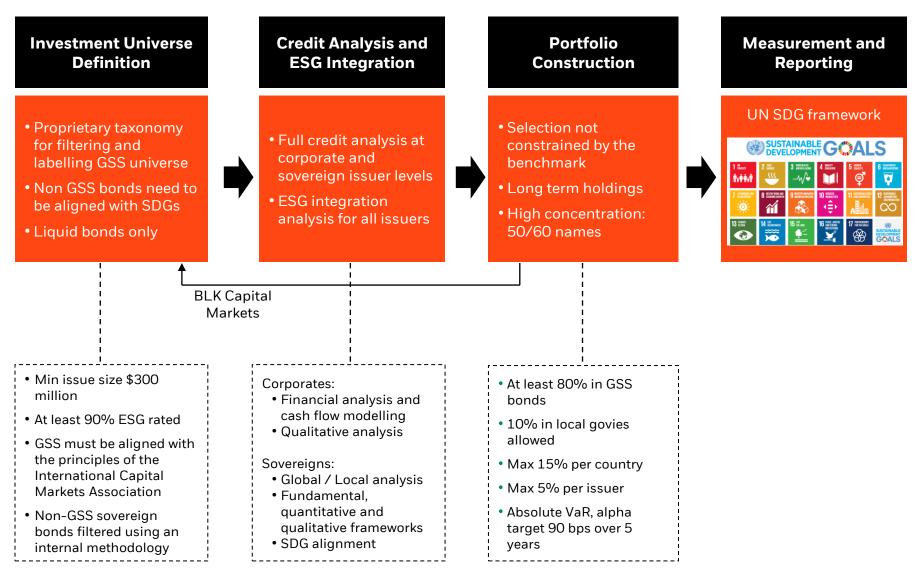
Fund Guidelines	BGF Emerging Markets Impact fund
Benchmark	J. P. Morgan ESG Green Bond Index EM hedged in USD
Risk approach	Absolute VaR
Liquidity	Daily
Baseline screens	Yes
Max issuer %	5%
Max country %	15%
Main FI instruments	Cash bonds
Geographic focus	Global EM

## **Fund features**

- The fund seeks to invest 80-100% in Green, Social, Sustainable (GSS)
- Unconstrained style allows the portfolio manager to be highly selective. (approx. 50-60 names in the portfolio)
- Long term view on holdings and low turnover expected
- Security selection not constrained by the benchmark
- Alpha objective measured over the long term against the benchmark (over 5 years)
- At least 90% of the portfolio will be in USD
- Typical exposure expected 70-80% in corporates and 20-30% in sovereign bonds

Source: BlackRock, as of 30 November 2022.

## **Investment process**



Source: BlackRock, UN, as of 30 November 2022.

# **Defining GSS Bonds**Investment Universe filters

- We have developed a proprietary green bond taxonomy to label the green bond universe. For green bonds, the issuer needs to follow the Green Bond Principles ("GBP") of the International Capital Markets Association. We also actively engage with the market and issuers to strive for best practices.
- For social bonds, the issuer needs to follow the Social Bond Principles ("SBP") of the International Capital Markets Association, voluntary process guidelines that recommend transparency and disclosure and promote integrity in the development of the Social Bond market.

#### Very Light Green

#### **Very Light Green**

Fund projects that yield only marginal improvements over baseline energy consumption, CO2 emissions, etc. but are not yet aligned with long-term decarbonisation.

#### Light Green

Fund projects that yield improvements over baseline energy consumption, CO2 emissions, etc. but are not yet aligned with long-term decarbonisation.

#### **Medium Green**

Fund projects that yield improvements over baseline energy consumption, CO2 emissions, etc. and show some signs of alignment with longterm decarbonisation.

#### **Dark Green**

Fund projects that BlackRock determines to most likely put the world on a long-term path towards a zero carbon economy.

#### **Light Gold**

Fund projects that aims to address/mitigate a specific social issue but need further granularity and detail to reflect positive social outcomes, including better definition of target populations, contextualization to local and/or global social environments

#### **Medium Gold**

Fund projects that aims to address / mitigate a specific social issue and clearly contribute to positive social outcomes, with defined target populations and appropriate social environment contextualization

#### **Dark Gold**

Fund projects that aims to address / mitigate a specific social issue and can quantifiably result in positive social outcomes, with well defined target populations and specific to context of local and/or global social environments

Sources: BlackRock, Data as of 30 November 2022.

## **Defining Green Bonds - Minimum Requirements**

The issuer needs to follow the Green Bond Principles ("GBP"), voluntary process guidelines that recommend transparency and disclosure and promote integrity in the development of the Green Bond market.

The GBP are based on the following four components:



There is no guarantee that a positive investment outcome will be achieved. Sources: Bloomberg, MSCI, Green Bond Principles, 30 November 2022.

## The BlackRock Differentiator

BlackRock has been and continues to be an active participant and leader in the evolution of the green bond market. We differentiate ourselves as a key market player in the following ways:

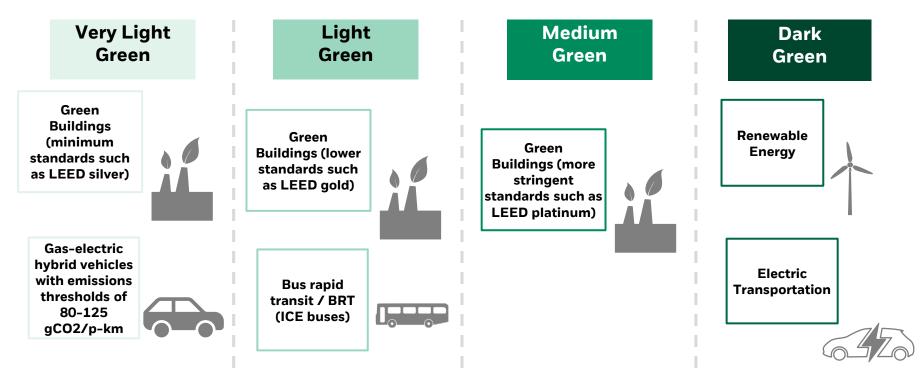
- We have developed a proprietary green bond taxonomy using which we have built a BlackRock labelled green bond universe that includes green scoring (very light green to dark green scale)
  - Our process includes checking new issuers for alignment with the Green Bond Principles. We update our proprietary list of green bonds monthly, cross-checked against Bloomberg, the Climate Bonds Initiative, and Environmental Finance databases, and annual verification that issuers are meeting their reporting obligations.
  - We exercise careful discernment for labelled green bonds. There have been occasions where bonds that are self-labelled green bonds or that are included on other green bond lists have not been included in BlackRock's tagging due to a lack of transparency on the intended proceeds or our lack of conviction that the projects financed met a defensible threshold of environmental benefit.
- We actively engage with the market and issuers to strive for best practices
  - BlackRock has been on the Executive Committee of the Green Bond Principles since its founding in 2014. We help protect the integrity of and shape the development of the Green Bond market by clarifying the approach for issuance of a Green Bond (including guidance on key components in launching a green bond, ensuring availability of necessary information in evaluating environmental impacts, assist with standardisation of disclosure). In addition, the firm is a member of the Climate Bonds Initiative.
- We have developed portfolio-level impact reporting
  - We have developed portfolio-level impact reporting framework, reporting on criteria such as carbon emissions avoided, renewable capacity installed, and energy savings alongside investment. On an annual basis, we compile environmental impact report for our green bond portfolios. We verify that each issuer is complying with its stated reporting obligations and use of proceeds.

There is no guarantee that a positive investment outcome will be achieved. Sources: Bloomberg, MSCI, Green Bond Principles, 30 November 2022.

## **Defining Green Bonds – BlackRock's "Green Scale"**

#### BlackRock's principles:

- What matters are **what projects are financed** by the bonds and how those projects contribute to meeting environmental goals
- We prioritise climate-change-mitigation benefits over other positive environmental impacts
- Whenever possible, we factor in resiliency of assets (esp. assets with a long life) to climate change impacts
- Ideally, **100% of use of proceeds are applied towards green projects**, but the minimum threshold we will consider is 90% towards green funding. In cases where only 90% of the funding is green, we will evaluate the issuance's 'greenness' on a case-by-case basis depending on the application of funding for the remainder 10%

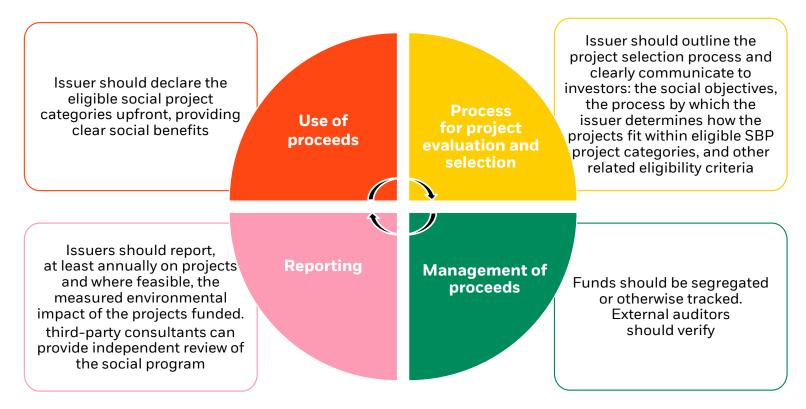


Source: BlackRock. Investment process is shown for illustrative purposes only and subject to change.

## **Defining Social Bonds - Minimum Requirements**

The issuer needs to follow the Social Bond Principles ("SBP"), voluntary process guidelines that recommend transparency and disclosure and promote integrity in the development of the Social Bond market.

The SBP are based on the following four components:



In addition issuer needs to define use of proceeds that does not conflict with environmental objectives/guidelines as defined by the EU sustainable finance taxonomy

There is no guarantee that a positive investment outcome will be achieved. Sources: ICMA Social Bond Principles, June 2020, EU Taxonomy for sustainable finance, March 2020, BlackRock as of 30 July 2020.

## **Defining Social Bonds - BlackRock's "Gold Scale"**

#### BlackRock's principles:

- What matters: **segregation of use of proceeds** (pool tracked separately), **clarity of projects financed** by bond proceeds and clear indication of how those projects contribute to **addressing global and local social challenges**
- We require clear (and quantitative) definitions of target population and detailed and transparent use of proceeds aligned with Social Bond Principles
- Issuers needs to articulate the **gap in service** that deployed proceeds fulfill **as it relates to global and/or local contexts** (e.g. healthcare services in a country where healthcare isn't a public good)
- Preference towards use of proceeds where issuer passes on concessionary funding to target population and commits to following impact reporting guidelines set by ICMA Harmonized Framework for impact reporting for Social Bonds

## **Light Gold**

Research & Innovation (R&I) for Advanced Medical Nutrition



Quality healthcare and parental support



### **Medium Gold**

Social housing aiming to support people living in social and economic difficulties



#### **Dark Gold**

Loans to Small Medium
Enterprises (SMEs)
established in Economically
underperforming regions
(defined through GDP per
capita vs national
benchmark)



Grants or lower interest rate loans to poor populations using geospatial data to determine program eligibility

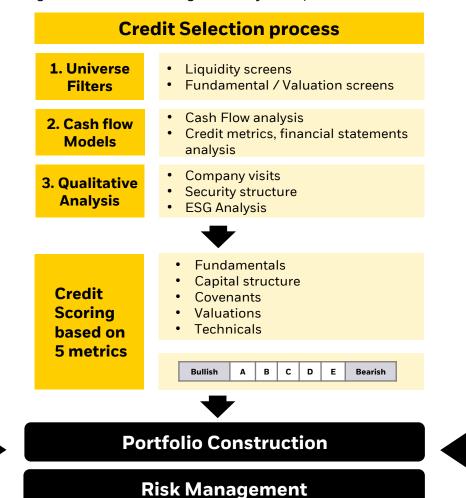


Source: BlackRock. Investment process is shown for illustrative purposes only and subject to change.

## **EM Corporate Debt**

## Investment Process overview

- Bottom-up analysis, incorporating liquidity, fundamental, qualitative, and relative value screens.
- Credit analysis implemented through cash flow modelling with a layer of qualitative assessment.



Source: BlackRock, as of 30 November 2022. For illustrative purposes only and subject to change.

**Global Weather** 

**Station** 

Regimes identification

and projection

**Local Weather** 

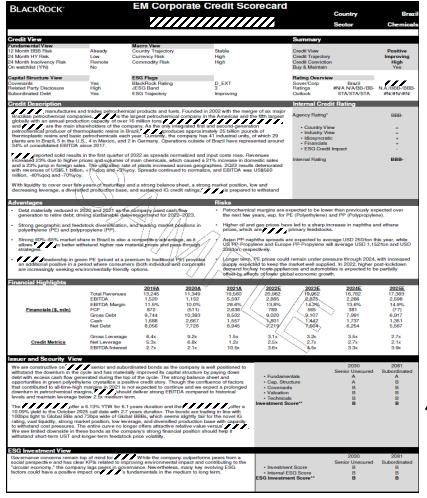
**Station** 

Sovereign Bottom-up

research

## **Credit Scorecard**

Combining credit view, financial assessment, and security analysis





Credit view facilitated with a credit scorecard and credit trend



Financial assessment supported by cash flow model



Investment thesis at security level

All specific research content is stored in the BlackRock database

Source: BlackRock, 30 November 2022. For illustrative purposes only. Not meant to depict actual data.



## **Sovereign Credit Analysis**

Fundamental, valuations, and technical country level analysis

# Fundamental Macro Research at the Country Level

Analysis of four factors for each country. Creation of a long-term macro score with a documented rationale, and upside/downside risks and signposts

## Monetary Policy

Central Bank policy and inflation are closely monitored to determine the evolution of rates.

## Growth and Fiscal

Analysis of a wide set of variables such as employment level, debt/GDP ratio that defines a fundamental picture of an issuer.

## ESG & idiosyncratic

Country analyst views expressed across E, S and G factors, with a focus on materiality.

#### **Real Flows**

Monitoring bond issuance, FDI and current account level to build a comprehensive technical picture.

#### Example:

	Moneta Polic		Fundan	nentals	ldiosyncra	tic & ESG		Flows		Team View
Country	Rates	FX	Growth	Fiscal	Idiosyncratic	ESG/Other	Flows	Current Account	FDI	
Mexico	-1	1	0	0	0	0	0	-1	1	NTRL

# Complimented with Country Level Market Analysis by Asset Class

Analysis of hard currency, local rates and FX from a market perspective, with a focus on valuations and technicals

- Performance analysis
- Spread analysis
- Crossover comparisons
- Yield curve analysis
- Breakdowns by rating
- New issues monitors
- Regional analysis
- Valuations
- Technical/positioning analysis

All specific research content is stored in the BlackRock database

Source: BlackRock. All screenshots are for illustrative purposes only and do not represent actual data. Investment process is shown for illustrative purposes only and is subject to change.

## Environmental, Social and Governance ("ESG") Integration

## Analysing materiality

- In our view, certain ESG characteristics can have a material impact on EMD performance
- We seek to understand and manage ESG related **risks** while identifying inflexion points
- ESG coexists with other alpha factors such as monetary policy, fundamentals, and technicals

#### **ESG Data**

Multiple data sources and specific KPIs are selected, monitored and analysed

- BSSI, GSS internal taxonomy
- Verisk, MSCI, JESG, Sustainalytics, Rep Risk
- World Bank, UN SDGs
- Global Peace index

## **Proprietary Frameworks**

Stylised Internal frameworks take granular data from multiple sources

- Isolate biases from raw scores by decomposing data
- Compare peers fairly
- Differentiate ESG risk and ESG action
- Identify ESG-related inflexion points or vulnerabilities

## **Qualitative Analysis**

Specialised analyst provides issuer knowledge of day-to day information

- Dedicated analysts follow and assess country developments
- Regular meetings with government officials and corporate boards
- Idiosyncratic EM knowledge and data analysis are combined to form a view and assess events

Direct integration into the issuer macro scores, providing an important dimension for security selection

Investment process subject to change and provided here for illustrative purposes only. Our view reflects the view of the dedicated active EMD Team. Source: BlackRock, as of 30 November 2022.

BlackRock

## **Risk Measurement and Management**

#### Organic and profound partnership with Risk & Quantitative Analysis Group (RQA)

- Three RQA professionals dedicated to the EMD business
- RQA produces daily reports to cover the EMD platform, which includes:
  - Traditional risk metrics Standalone risk (SAR) per asset class, Marginal Contribution to Risk (MCR), duration, spread duration,
     Duration Times Spread (DxS), Horizon Rate of Return (HROR), constant vol, beta and realised beta, portfolio concentration
  - Proprietary risk metric ("blocks") allows RQA to measure risk on an "apples to apples" basis
  - Stress tests and scenario analysis
  - Performance data with detailed attribution
- RQA runs a weekly "risk meeting" in which they present their dashboards and discuss with PMs changes in portfolio exposure and risk

## **Concentration Philosophy**

 RQA monitors portfolio concentration on the ongoing basis and discusses with PMs if necessary. RQA has the ability to escalate.

## Sizing Philosophy

 Four criteria enter into deciding on sizing of expressions: level of conviction, volatility of the underlying expression, liquidity of the underlying expression, and the analyst's judgement on the upside/downside.

## **Usage of Portfolio Hedges**

 We actively use portfolio hedges and "air bags", But the bar for using them is high since they introduce basis (and unintended) risks. If we are uncomfortable with a position, our first port of entry is to cut it rather than hedge it.

## **Stop Loss Discipline**

 We do not use automatic stop losses. But our risk meetings are very focused on analysing "losers" and the bar for maintaining them gets higher the larger the drawdown.

Risk management cannot fully eliminate the risk of investment loss.

Source: BlackRock.

## **BGF Emerging Markets Impact Bond Fund**

#### As of 30 November 2022

#### **Portfolio Characteristics**

Key Characteristics	
Yield to Maturity (%)	6.8
Average Rating	BBB
Spread Duration	5.15
Modified Duration	4.94
No of bonds	57
No of issuers	53
No of countries	25

Sub-Asset Class Breakdown

HC Corp

Cash

Total

**HC Sovereign** 

LC Sovereign

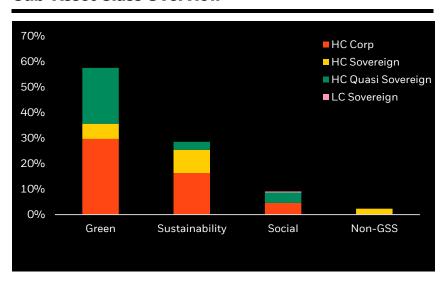
HC Quasi Sovereign

Portfolio Breakdown			
Green	55%		
Sustainability	28%		
Social	11%		
Non-GSS	2%		
Cash	4%		
Total	100%		

	_
/n	
49%	
16%	
30%	
0%	

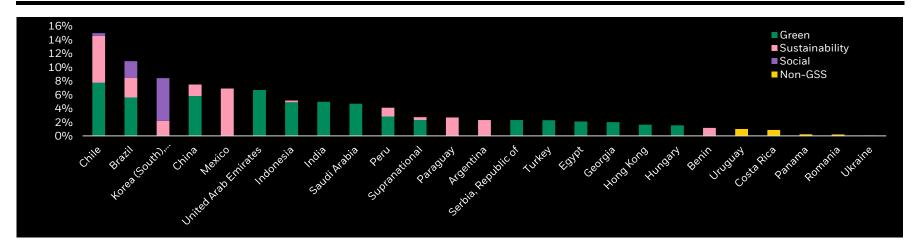
<b>Currency Breakdown</b>		
USD	89%	
EUR	11%	
CLP	0%	
Total 100%		

#### **Sub-Asset Class Overview**



## **EM GSS Hard Currency Universe**

4% 100%

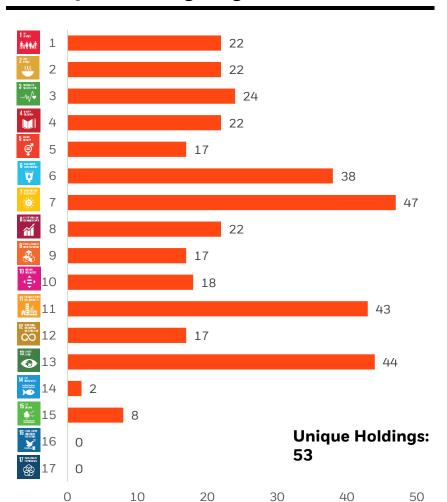


Source: BlackRock, Geographic exposure relates principally to the domicile of the issuers of the securities held in the product, added together and then expressed as a percentage of the product's total holdings. However, in some instances it can reflect the country where the issuer of the securities carries out much of their business. Allocations are subject to change. Due to rounding, the total may not be equal to 100%.

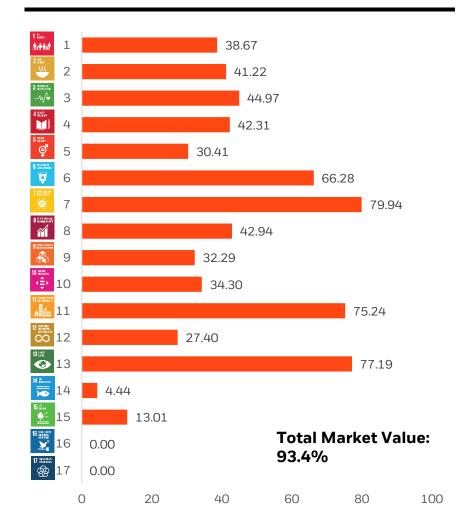
# SUSTAINABLE OF CONTROL OF CONTROL

## **Aligning Holdings with UN SDGs**

## # of Impact Holdings aligned to each SDG



## % Market Value Impact Holdings aligned to SDGS

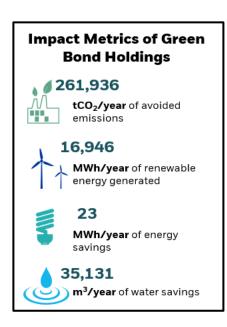


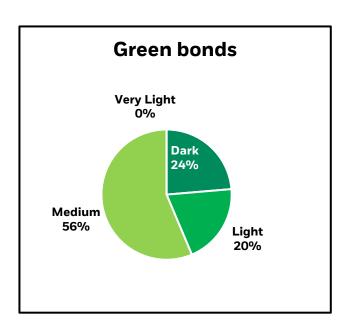
Sources: MSCI, BlackRock, as of 31 October 2022. Note that mappings are not mutually exclusive. See Definitions and Methodologies on slide 33-35 for additional details.

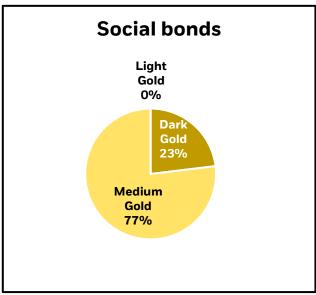


## **BGF Emerging Markets Impact Bond Fund**

#### As of 30 November 2022







See Definitions and Methodologies on slide 33-35 for additional details.

Source: BlackRock, MSCI. Geographic exposure relates principally to the domicile of the issuers of the securities held in the product, added together and then expressed as a percentage of the product's total holdings. However, in some instances it can reflect the country where the issuer of the securities carries out much of their business. Allocations are subject to change. Due to rounding, the total may not be equal to 100%.



## **Star Energy Green Bond**

## Issuer Summary

- Established in 2003, Star Energy Geothermal is Indonesia's largest geothermal energy producer and a leading clean energy company.
- STENGE 38s (IG): there is scarcity value. the only Indonesian IG utilities credit without coal exposure. Their label of green bonds also provides stronger technical support, in our view.
- STAREN 33s (HY): issuer has more stable cash flows than other Indonesian HY credits. The bonds are well structured to provide the visibility of deleveraging credit trend.

#### Issuer ESG Overview

- In 2019 Star Energy generated enough to power more than 550,000 homes for 1 year and equivalent to about 11 million barrels of oil displaced. The entire output of these plants is contracted to Indonesia's power distributor, directly replacing mostly coal power generation to the tune of 1.2 coal power plant equivalents/year.
- As an inexhaustible, dispatchable, flexible and widely available renewable energy source, geothermal power holds a lot of promise in the transition to zero carbon and is an excellent complement to solar and wind energy.

## Use Of Proceeds

- Star Energy has issued 2 benchmark size green bonds: a \$580 million deal in April 2018 and a \$790 million deal in April 2020. An extremely interesting example of a geothermal project structure issued out of Indonesia, also one we consider a potential blueprint for the country and the sector.
- **Use of Proceeds:** Development, construction and operation of geothermal energy generation facilities. Geothermal project, with good quantitative emissions thresholds, by our taxonomy rating this is **MEDIUM GREEN**.

# Star Energy Green Bond contributes positively to advancing the following SDGs:















Case studies are for illustrative purposes only; they are not meant as a guarantee of any future results or experience, and should not be interpreted as advice or a recommendation.

Source: BlackRock, Aladdin Research



## **Benin Sustainability Bond**

#### Issuer Summary

- Strong macro performer compared to HY peers, with growth tracking an 6% annual average, debt ratio slightly under 50% after peaking in 2021, while the fiscal deficit is expected at 4.5% in 2022 (after 6.5% deficit in 2021).
- The macro-economic and credit outlook benefit from a market friendly administration, which has embarked on a series of reforms to drive the National Development Plan. In April 2022, the government signed a 42-month IMF EFF program, focusing on revenue mobilisation (revenue only 14% of GDP).

#### **Issuer ESG** Overview

- While the reform drive has significant improved governance, the issuer perform poorly compared to regional peers on several social factors including education. Key risk to monitor is if any progress is made on a more inclusive political framework.
- Last year presidential election saw most opposition candidates unable to run because they did not meet the minimum sponsorship threshold (16 parliamentarians or mayors) after their parties partly boycotted the 2020 municipal elections and were disqualified from the 2019 parliamentary elections under a controversial new electoral code. Parliamentary elections will be held in 2023, and the government indicated that the process could be more consensual and allow more parties to run.

#### Use Of **Proceeds**

- Benin came to market in July 2021, with their first sustainability bond: €500 million 12.5-year transaction (maturing on 22 Jan2035).
- As a member of the UN, Benin has adopted ambitious measures to incorporate the UN SDGs into their budgetary and fiscal policies. They established their SDG Bond Framework ahead of the launch of their issuance.
- Benin's framework categories projects by SDG along 4 pillars: population, prosperity, planet and partnerships. Proceeds were allocated to projects to expand education services, increase access to drinking water and wastewater processing, developing green infrastructure and conservation of lake and coastal areas, and increasing the capacity for electricity distribution in the country.
- Social projects include the construction of middle-income housing units in designated cities, the provision of vegetable growing and national school lunch programs. We consider the social use of proceeds targeted and exhibit positive social results for the intended populations, thus we rated DARK Gold.
- For green use of proceeds, this includes electrification of rural areas through the construction of solar and wind plants, and the conservation of lake and coastal areas. We rated the renewable energy expansion DARK Green and the conservation of coastal ecosystems MEDIUM green for an overall green shading of MEDIUM Green for green use of proceeds.

#### Eligible Expenditures across the 4 pillars

## "Population" or Social

· Development of a sustainable and productive



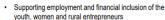
- · Improving health for all
- · Decent housing for the poor
- · Expanding education services and expanding capacity to take on students











· Access to low-carbon, reliable and affordable energy











"Prosperity"

or Economy

- · Developing living environments and sustainable infrastructure for all
- · Conservation of lake and coastal areas, reasonable economic exploitation of the coasts
- · Conservation of biodiversity, restoration and reasonable exploitation of the forest cover and fighting against desertification





Peace/Partnership or Governance

Promoting heritage sites, educational sites and entertainment infrastructure





Case studies are for illustrative purposes only, they are not meant as a guarantee of any future results or experience, and should not be interpreted as advice or a recommendation. Source: BlackRock, Aladdin Research



## **Chile Social Bond**

### Issuer Summary

- Overall a neutral view on the sovereign.
- A new Constitution would reshape the country's business model, structurally increasing demand for public funds, yet approve not a given.
- An overheated economy and a negative terms of trade shock leads to a wide current account deficit that would have to be tackled by a reduction in domestic absorption.

## Issuer ESG Overview

- Chile is an outperformer across LatAm peers on Governance related metrics. We see particular outperformance vs peers in Voice & Accountability; Government Effectiveness; Rule of law; Control of Corruption (World Bank governance metrics).
- Chile scores better than peers on broad Social metrics but income inequality remains a significant vulnerability. On human capital metrics Chile generally scores well – with one of the highest life expectancy and school enrolment in LatAm.
- While having higher reliance on coal & lower use of renewables than peers, we see signs of improvement in Chile's Environmental management. Chile remains a consumer of coal, with 20% of the country's 2019 energy consumption coming from this source. However, in the COP26 Summit we saw Chile pledge to phase out coal by 2050 which was a positive surprise During COP26 we also saw Chile sign the pledges to end deforestation and to cut methane emissions. In Chile's NDC, its net zero target is set at 2050.

## Use Of Proceeds

- Republic of Chile has been a player in the social bond market since November 2020, when they first established their social bond framework. Chile issued social bonds for USD 3.75 billion in July 2021. Labelled bonds represent 24.0% of Chile's outstanding central government debt, one of the highest shares in the world.
- Chile won social bond of the year in Environmental Finance Awards 2022 for the US\$5.8bln multi-currency social bond issuance in July 2021.
- The sovereign has outlined very good quantitative thresholds for every single category. Target population identifications are quantitative, targeted, and the use of proceeds associated have clear beneficial outcomes.
- We believe Chile's social framework covers every single social bond use of proceeds category. We rate this overall DARK Gold, given very good quantitative thresholds set for each use of proceeds categories, and upfront disclosure of projects, as well as spending amounts that are applicable.



## Access to Education Ministry of Education

The selected projects to be funded in this category are

- Preferential school grants.
- Free higher education.
- Transfers for Kindergartens and Cradle Rooms Integra foundation.
- Transfers for Cradle Rooms Junji.
- Public education support fund.
- · Bicentennial scolarships

In general terms, these projects finance programs that aim to improve the quality and access to preschool, basic, secondary and higher education for vulnerable children and young people or those with special needs. All projects included in this sector are carried out by services from the Ministry of Education.

This project benefits roughly

#### 3.3 million students



## Support for low-income families Ministry of Labor and Social Security

The selected projects to be funded, included in this category are:

- · Permanent family transfers.
- Family subsidy.
- Winter transfer.

These projects seek to finance actions and measures aimed at the most vulnerable families in the country through subsidies or contributions to low-income families.

All projects included in this category are carried out by the Institute of Social Security, from the Ministry of Labor and Social Security.

These projects benefit roughly

### 4.3 million people

## Support Affordable Housing Ministry of Housing and Urbanism

The selected projects to be included in this category are:

- Solidarity funds for housing selection DS49.
- Housing improvement DS27.
- Integrated system for housing subsidies DS1.
- Housing program for social integration DS116-2014 and DS19-2016.

In general terms, these projects seek to finance the acquisition, repair, expand, and improve social housing. All projects included in this sector are carried out by the Ministry of Housing and Urbanism.

This project benefits roughly

87,000 households

Case studies are for illustrative purposes only; they are not meant as a guarantee of any future results or experience, and should not be interpreted as advice or a recommendation. Source: BlackRock, Aladdin Research



## **Sustainability Bond**

## Republic of Peru

Issuer	Republic of Peru
Green/Social Bond Framework	Peru's Sustainable Bond Framework - Ministry of Economy and Finance. (Jul 2021)
Second Party Opinion	Sustainalytics - Peru Sustainable Bond Framework (Jul 2021)
Use of Proceeds	<ul> <li>Allocations are 90/10 split for social and green proceeds.</li> <li>Across the social categories, social benefits are outlined. From its website, process to target population is well structured. We would rate this overall as dark gold.</li> <li>In terms of green categories, the 2021 budget has identified the following categories of focus: (1) resilient and efficient water and wastewater management, (2) sustainable agriculture, and (3) sustainable management of natural resources, land use and marine protected areas. For wastewater management, projects include water treatment, flood risk mitigation, and water conservation (light to medium green).</li> <li>For sustainable management of natural resources, wood production and forest management is in line with FSC standards (medium green). For sustainable agriculture, projects include drip irrigation, irrigation systems with improved water efficiency, and use of organic/sustainable fertilizers in agricultural practices (medium to dark green). Would be helpful to mention target efficiency improvements in irrigation systems and whether this does not add any emissions.</li> <li>Overall, would rate green projects as medium green.</li> </ul>
Green/Social Bond + Shading	YES – SUSTAINABILITY MEDIUM GREEN/DARK GOLD

Source: BlackRock, Aladdin Research. For illustrative purposes only.

For illustrative purposes only

current certification level within

**For Italy:** This document is marketing material: Before investing please read the Prospectus and the KIID available on www.blackrock.com/it, which contain a summary of investors' rights.

## **Risk Warnings**

**Capital at risk.** The value of investments and the income from them can fall as well as rise and are not guaranteed. Investors may not get back the amount originally invested.

Past performance is not a reliable indicator of current or future results and should not be the sole factor of consideration when selecting a product or strategy.

Changes in the rates of exchange between currencies may cause the value of investments to diminish or increase. Fluctuation may be particularly marked in the case of a higher volatility fund and the value of an investment may fall suddenly and substantially. Levels and basis of taxation may change from time to time.

## **Risk Warnings**

#### Fund Specific Risks for the BGF Emerging Markets Impact Bond Fund

- Changes to interest rates, credit risk and/or issuer defaults will have a significant impact on the performance of fixed income securities. Non-investment grade fixed income securities can be more sensitive to changes in these risks than higher rated fixed income securities. Potential or actual credit rating downgrades may increase the level of risk.
- **Emerging markets Risk**: Emerging markets are generally more sensitive to economic and political conditions than developed markets. Other factors include greater 'Liquidity Risk', restrictions on investment or transfer of assets, failed/delayed delivery of securities or payments to the Fund and sustainability-related risks.
- Derivatives may be highly sensitive to changes in the value of the asset on which they are based and can increase the size of losses and gains, resulting in greater fluctuations in the value of the Fund. The impact to the Fund can be greater where derivatives are used in an extensive or complex way.
- The Fund seeks to exclude companies engaging in certain activities inconsistent with ESG criteria. Investors should therefore make a personal ethical assessment of the Fund's ESG screening prior to investing in the Fund. Such ESG screening may adversely affect the value of the Fund's investments compared to a fund without such screening.
- **Counterparty Risk:** The insolvency of any institutions providing services such as safekeeping of assets or acting as counterparty to derivatives or other instruments, may expose the Fund to financial loss.
- Credit risk: The issuer of a financial asset held within the Fund may not pay income or repay capital to the Fund when due.
- Liquidity Risk: Lower liquidity means there are insufficient buyers or sellers to allow the Fund to sell or buy investments readily.

# **Appendix**

## **Methodologies and Assumptions**

Asset Class	Description
Corporates	Corporates are mapped using MSCI's SDG suite of metrics. In this analysis, we focus only on product alignment. Companies who have no strong product misalignment, and have product alignment to at least 1 SDG per MSCI are captured in this analysis.
Green Bonds	Green bonds, as determined by BlackRock FI ESG Investment team, are mapped to SDGs using the below waterfall methodology, which is ordered from most to least granular:  1. BlackRock impact analysis based on publicly available Green Bond impact reports communicated by issuers  2. Environmental Finance SDG mapping of green bonds  3. Broad mapping of holdings to Environmental SDGs (6, 7, 11, 13)
Social Bonds	Social bonds, as determined by BlackRock FI ESG Investment team, are mapped to SDGs using the below waterfall methodology, which is ordered from most to least granular:  1. Environmental Finance SDG mapping of social bonds  2. Broad mapping of holdings to Social SDGs (1, 2, 3, 4, 5, 8, 10)
Sustainable Bonds	Sustainable bonds, as determined by BlackRock FI ESG Investment team, are mapped to SDGs using the below waterfall methodology, which is ordered from most to least granular:  1. Environmental Finance SDG mapping of Sustainable bonds  2. Broad mapping of holdings to Environmental and Social SDGs (1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 13)
CMBS	CMBS pools where > 80% loans are financing low income housing, CMBS pools where >80% of loans are financing LEED, GBI, or other green certified collateral are included as SDG aligned
ABS	Solar ABS, Auto loan pools originated by top quartile MSCI auto manufacturers, Student loan pools where > 80% of loans are refinanced at a lower rate, credit card pools originated by financial companies with top quartile MSCI ESG scores are included as SDG aligned.
MBS	US Agency MBS pools originated through existing housing affordability programs, as well as pools with certain collateral characteristics the investment team has deemed to be supportive of measurable Impact outcomes



## **Methodologies and Assumptions**

<u> </u>	
Metrics	Definition and Methodology
MSCI Rating	Aggregate MSCI ESG Rating - market value weighted ESG Rating for the fund. Individual holdings normalized based on sector peers.
Sustainalytics Percentile	Aggregate score from Sustainalytics (separate ESG data provider). Market-value-weighted average percentile of fund holdings (sector normalized). Portfolios with a high percentile have higher quality ESG holdings.
Controversial Holdings	The overall controversy assessment signals whether a company has a notable controversy related to a company's operations and/or products, and the severity of the social or environmental impact of the controversy. This is ranking 0-10 with 0 being worse.
ESG Adjusted Score	MSCI Industry Adjusted Score from 0-10 . Normalized score for each industryMV Weighted: Portfolio score calculated by weighting ESG scores by market value -DxS Weighted: Portfolio score calculated by weighting ESG scores by DxS
Counterparty ESG Score	ESG score of counterparties for the derivative portion of the portfolio
Coal	Companies generating >10% (GFI Standard Screens) or >5% (EMEA/Global Screens) revenue from coal mining or electricity generation. Green bonds are excluded.
Controversial Weapons	Percent of holdings in companies that are involved in production and proliferation of controversial weapons
Controversial Holdings	Percent of holdings in companies with a controversy score of 0 from MSCI. Controversy score signals whether a company has a notable controversy related to a company's operations and/or products, and the severity of the social or environmental impact of the controversy.
Fossil Fuel	This field identifies companies with evidence of owning fossil fuel reserves regardless of their industries, including companies that own less than 50% of a reserves field.
UNGC Violators	Percent of holdings in companies that fail to comply United Nations Global Compact principles
Tobacco	Percent of holdings in companies involved in tobacco production related activities (Global/GFI Standard Screens). This applies to tobacco producers and/or companies that derive >5% of revenue from tobacco retail (EMEA Screens).
Negative Externalities (N_EXT)	Least preferred holdings for ESG/responsible/sustainable portfolios that have some negative societal externalities associated with them.
Holdings w/ Deforestation Risk	Currently captures worst rated names per WWF palm oil score card. Over time we will attempt to capture broader deforestation risk from agricultural and other human activities.
BIS C/D O&G > 2030	Securities maturing later than 2030 issued by oil and gas companies that are rated as C or D by Investment Stewardship
Engagement Stats	These figures represent counts of engagements by our BIS team in the latest calendar year. Engagement mappings to categories and issues are not mutually exclusive. Note that the total count of engagements includes multiple engagements with the same company.
IIGCC Net Zero Framework	The IIGCC Net Zero Investment Framework sets out the approach investors should take when assessing the alignment of assets and setting targets to increase the proportion of assets that are aligned to net zero. Further details <a href="https://example.com/here-en/alignment-net/">here-en/alignment of assets and setting targets to increase the proportion of assets that are aligned to net zero. Further details <a href="https://example.com/here-en/alignment-net/">here-en/alignment of assets and setting targets to increase the proportion of assets that are aligned to net zero. Further details <a href="https://example.com/here-en/alignment-net/">here-en/alignment of assets that are aligned to net zero. Further details <a href="https://example.com/here-en/alignment-net/">here-en/alignment-net/<a href="https://example.com/here-en/alignment-net/">here-en/alignment-net/</a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a>

Review the MSCI methodology behind the Sustainability Characteristics:  $\frac{1}{\text{https://www.msci.com/esg-ratings}}$ ;  $\frac{2}{\text{https://www.msci.com/index-carbon-footbuiling-projections}}$ 62-34/39

**Methodologies and Assumptions - continued** 

Metrics	Definition and Methodology
Emissions Intensity - (Sales)	Aggregate emissions for every million dollars of revenue for underlying holdings. Green bond adjusted emissions indicates that dark & medium green bond (as shaded by BlackRock GFI ESG team) emission's are set to zero.
Emissions Intensity - (EVIC)	Aggregate emissions financed for every million dollars enterprise value of invested capital invested in the companies. Green bond adjusted emissions indicates that dark & medium green bond (as shaded by BlackRock GFI ESG team) emission's are set to zero.
Sovereign GHG Intensity	GHG intensity of an economy (in tons per USD million GDP nominal). The higher the value the more carbon intensive the economy is. Green bond adjusted emissions indicates that dark & medium green bond (as shaded by BlackRock GFI ESG team) emission's are set to zero.
MSCI Low Carbon Transition Score	A company level score that measures a company's level of alignment to the Low Carbon Transition. Companies with higher Low Carbon Transition score are more aligned with the Low Carbon Transition compared to the companies with lower scores. (Score: 0-10)
Paris Aligned per TPI	Holdings rated to be Paris aligned or better by Transition Pathway Initiative
Holdings with SBTs (Science Based Targets or Commitments)	Exposure to holdings that have science-based targets or commitments. Science-based targets specify how much and how quickly a company needs to reduce greenhouse gas (GHG) emissions that is in line with what the latest climate science says is necessary to meet the goals of the Paris Agreement. <sup>3</sup>
Portfolio Temperature Alignment	The implied temperature warming of holdings in the portfolio. Corporate data is based on MSCI data and is weighted relative to the portfolio's ownership of company's overshoot/undershoot of their emissions budget. Sovereign data is based on MSCI data and is market value weighted. Green bond temperature alignment is set to two degrees.
Aladdin Climate PCAV (Expected Emissions)	The Physical Climate Adjusted Value (PCAV), or percentage change in market value as a result of the Expected Emissions (RCP 4.5) Average Risk scenario. "Expected Emissions" represents a RCP 4.5 W/m2 which assumes some corrective action going into effect to reduce emissions, while projecting an increase in the global surface temperature by 1.7°C to 3.2°C (averaged over 2081-2100 as compared to pre-industrial periods). In this scenario, the CO2 concentrations stabilize around 550 ppm by the end of the 21st century, after an earlier emissions peak at mid-century. The "Average Risk" corresponds to the mean impact from physical risk contributors given the range of temperature increases (e.g., energy expenditures, hurricane damages, etc.).
Aladdin Climate TCAV (Average Emissions)	The Transition Climate Adjusted Value (TCAV), or percentage change in market value as a result of the Orderly – Net Zero by 2050 scenario. The Orderly – Net Zero by 2050 scenario assumes climate policies are introduced early and become gradually more stringent. The orderly scenario limits global warming to 1.5°C through stringent climate policies and innovation, reaching global net zero CO <sub>2</sub> emissions around 2050.
Sust. Dev. Impact	Percent of holdings with >20% of revenues derived from any of the eleven social and environmental impact themes including nutrition, sanitation, major diseases treatment, SME finance, education or affordable real estate, alternative energy, energy efficiency, green building, pollution prevention and sustainable water. Also inclusive of all green bonds held in the portfolio.
Positive Externalities (P_EXT)	Most preferred holdings for ESG/responsible/sustainable portfolios that have some positives societal externalities associated with them.
Green Bonds	Percent of holdings in bonds tagged as "Green" by GFI ESG Investing team. Green Bonds are fixed income instruments in which the proceeds will be exclusively applied towards new and existing "green" projects. Dark, Medium and Light shading represents the tiering of green bonds based on "greenness" or "impact" of proceeds use.
Impact Metrics of Green Bond Holdings	BlackRock analysis for green bonds held in the portfolio based on publicly available environmental impact reports as communicated by issuers in the MSCI Bloomberg Barclays Green Bond Index; not every issuer reports on every metric, hence no linear extrapolation should be performed.

Review the MSCI methodology behind the Sustainability Characteristics: <sup>1</sup>https://www.msci.com/esg-ratings; <sup>2</sup>https://www.msci.com/index-carbon-footprint-metrics

<sup>3</sup>https://sciencebasedtargets.org/

This material is for distribution to Professional Clients (as defined by the Financial Conduct Authority or MiFID Rules) only and should not be relied upon by any other persons.

In the UK and Non-European Economic Area (EEA) countries: this is Issued by BlackRock Investment Management (UK) Limited, authorised and regulated by the Financial Conduct Authority. Registered office: 12 Throgmorton Avenue, London, EC2N 2DL. Tel: + 44 (0)20 7743 3000. Registered in England and Wales No. 02020394. For your protection telephone calls are usually recorded. Please refer to the Financial Conduct Authority website for a list of authorised activities conducted by BlackRock.

**In the European Economic Area (EEA):** this is Issued by BlackRock (Netherlands) B.V. is authorised and regulated by the Netherlands Authority for the Financial Markets. Registered office Amstelplein 1, 1096 HA, Amsterdam, Tel: 020 – 549 5200, Tel: 31-20-549-5200. Trade Register No. 17068311 For your protection telephone calls are usually recorded.

This document is marketing material. BlackRock Global Funds (BGF) is an open-ended investment company established and domiciled in Luxembourg which is available for sale in certain jurisdictions only. BGF is not available for sale in the U.S. or to U.S. persons. Product information concerning BGF should not be published in the U.S. BlackRock Investment Management (UK) Limited is the Principal Distributor of BGF and may terminate marketing at any time. Subscriptions in BGF are valid only if made on the basis of the current Prospectus, the most recent financial reports and the Key Investor Information Document, which are available in registered jurisdictions and available in local language where registered can be found at www.blackrock.com on the relevant product pages. Prospectuses, Key Investor Information Documents and application forms may not be available to investors in certain jurisdictions where the Fund in question has not been authorised. Investors should understand all characteristics of the funds objective before investing. For information on investor rights and how to raise complaints please go to https://www.blackrock.com/corporate/compliance/investor-right available in in local language in registered jurisdictions.

**Austria:** This document is marketing material. For further information, the prospectus, Key Investor Information Document, annual report and semi-annual report can be obtained free of charge in hardcopy form from the Austrian paying agent: Raiffeisen Zentralbank Österreich AG, A-1030 Vienna, Am Stadtpark 9 and also from www.blackrock.com/at available in German and English. Blackrock may terminate marketing at any time. Investors should understand all characteristics of the funds objective before investing. For information on investor rights and how to raise complaints please go to https://www.blackrock.com/corporate/compliance/investor-right available in German

**Germany:** This document is marketing material. This is a financial promotion. For further information, the prospectus, Key Investor Information Document, annual report and semi-annual report can be obtained free of charge in hardcopy form from the German information centre: BlackRock (Netherlands) B.V., Frankfurt (Germany) Branch, Frankfurt am Main, Bockenheimer Landstraße 2–4, 60306 Frankfurt am Main. The paying agent in Germany is J.P. Morgan AG, CIB / Investor Services – Trustee & Fiduciary, Taunustor 1 (Taunus Turm), D-60310 Frankfurt am Main and also from www.blackrock.com/de available in German and English Blackrock may terminate marketing at any time. Investors should understand all characteristics of the funds objective before investing. For information on investor rights and how to raise complaints please go to https://www.blackrock.com/corporate/compliance/investor-right available in German

Netherlands: The risk indicator shown on this document refers to the D2 share class of the Fund. Higher or lower risk may apply to the other share classes of the Fund. This document is marketing material. BlackRock Global Funds ("BGF") is a UCITS (icbe) as defined in section 1:1 Financial Markets Supervision Act (Wet op het financieel toezicht; "FMSA"). BGF and its sub funds are listed in the register as defined in section 1:107 FMSA. Please refer to the Key Investor Information Document (essentiële beleggersinformatie; "EBI") for further information about BGF and its sub-funds. The prospectus and EBI of BGF and its sub funds are available on BlackRock's website www.BlackRock.nl. Available in Dutch and English All financial investments contain a certain risk. The value of the assets managed by BGF and its sub-funds may greatly fluctuate as a result of the investment policy and your initial investment is not guaranteed. Blackrock may terminate marketing at any time. Investors should understand all characteristics of the funds objective before investing. For information on investor rights and how to raise complaints please go to https://www.blackrock.com/corporate/compliance/investor-right available in English and Dutch

**Sweden:** This document is marketing material. The prospectus and KIID are available at BlackRock (Netherlands) B.V., Stockholm branch, Malmskillnadsgatan 32, 111 51 Stockholm, Sweden and also from www.blackrock.com/se available in Swedish and English. Investors should read the KIID before making an investment decision. Blackrock may terminate marketing at any time. Investors should understand all characteristics of the funds objective before investing. For information on investor rights and how to raise complaints please go to https://www.blackrock.com/corporate/compliance/investor-right available in English

**Switzerland**: For Qualified Investors only. This document is marketing material. This document shall be exclusively made available to, and directed at, qualified investors as defined in Article 10 (3) of the CISA of 23 June 2006, as amended, at the exclusion of qualified investors with an opting-out pursuant to Art. 5 (1) of the Swiss Federal Act on Financial Services ("FinSA"). For information on art. 8 / 9 Financial Services Act (FinSA) and on your client segmentation under art. 4 FinSA, please see the following website: www.blackrock.com/finsa.

The BlackRock Global Funds (BGF) Emerging Markets Impact Bond Fund is domiciled in Luxembourg. The Fund has not been registered with the Swiss Financial Market Supervisory Authority (FINMA). Representative in Switzerland is BlackRock Asset Management Switzerland Limited, Bahnhofstrasse 39, CH-8001 Zurich and the Paying Agent in Switzerland is State Street Bank International GmbH, München, Zweigniederlassung Zürich, Beethovenstrasse 19, CH -8002 Zürich. The Fund's confidential Private Placement Memorandum and/or any other offering materials and the annual and semi-annual reports, if applicable, of the Fund/s are available free of charge from the representative in Switzerland. Investors should read the fund specific risks in the Prospectus and any other offering material.

**Finland:** This document is marketing material. The prospectus (in English language) and KIID (in Finnish language) are available at BlackRock (Netherlands) B.V. and also from www.blackrock.com/fi available in Finnish and English. Blackrock may terminate marketing at any time. Investors should understand all characteristics of the funds objective before investing. For information on investor rights and how to raise complaints please go to https://www.blackrock.com/corporate/compliance/investor-right available in English

**Norway:** This document is marketing material. The prospectus and KIID are available at BlackRock (Netherlands) B.V. www.blackrock.com/no available in Norwegian and English. Blackrock may terminate marketing at any time. Investors should understand all characteristics of the funds objective before investing. For information on investor rights and how to raise complaints please go to https://www.blackrock.com/corporate/compliance/investor-right available in English

Spain/Portugal: This document is marketing material. Certain funds mentioned here are registered for distribution in Spain. Additionally, certain funds are registered for distribution in Portugal. In Spain, BlackRock Global Funds (BGF) is registered with the number 140 in the Comisión Nacional del Mercado de Valores de España (CNMV) and the Prospectus for each registered fund has been registered with the CNMV and can be found at www.blackrock.com/es available in Spanish and English. In Portugal, certain share classes of certain BGF funds are registered with the Comissão do Mercado de Valores Mobiliários (CMVM) and the Prospectus for each registered fund has been registered with the CMVM and can be found at www.blackrock.com/pt available in Portuguese and English. This document contains products or services of BlackRock, Inc. (or affiliates thereof) that might be offered directly or indirectly within the Andorran jurisdiction, and it should not be regarded as solicitation of business in any jurisdiction including the Principality of Andorra. Blackrock may terminate marketing at any time. Investors should understand all characteristics of the funds objective before information investor raise investing. For on rights and how complaints please qo to https://www.blackrock.com/corporate/compliance/investor-right available in Spanish and Portuguese

Any research in this document has been procured and may have been acted on by BlackRock for its own purpose. The results of such research are being made available only incidentally. The views expressed do not constitute investment or any other advice and are subject to change. They do not necessarily reflect the views of any company in the BlackRock Group or any part thereof and no assurances are made as to their accuracy.

This document is for information purposes only and does not constitute an offer or invitation to anyone to invest in any BlackRock funds and has not been prepared in connection with any such offer.

© 2022 BlackRock, Inc. All Rights reserved. BLACKROCK, BLACKROCK SOLUTIONS, and iSHARES are trademarks of BlackRock, Inc. or its subsidiaries in the United States and elsewhere. All other trademarks are those of their respective owners.