WORLD BANK
BONDS FOR
SUSTAINABLE
DEVELOPMENT
ROADMAP

What is the World Bank?
Why invest with the World Bank?
What investment products does the World Bank offer?
How is the World Bank engaging with investors on the Sustainable Development Goals?
Annex: Project stories
WHAT IS THE WORLD BANK?
OVERVIEW - WORLD BANK

• International organization **owned by 189 member countries** – its owners are its clients.

• Purpose is to **end extreme poverty** and **promote shared prosperity** in a sustainable manner. These “twin goals” are aligned with the UN Sustainable Development Goals.

• The world’s largest source of development finance and expertise – 70+ years of financing development projects.

• About $227 billion in loans outstanding to 85 countries.

• Nearly 12,000 staff in 136 offices. Headquarters in Washington, DC.

• Largest shareholders: US, Japan, China, Germany, UK and France.

• International Bank for Reconstruction and Development – **IBRD**, “**World Bank**” is rated AAA/Aaa based on its capital, reserves and prudent financial policies.
IBRD, IDA and IFC are all three rated AAA/Aaa. They share the same overall development goals, but are legally separate entities. Each has its own risk profile and capital structure. The World Bank Treasury is the treasury for IBRD and IDA.
HISTORY OF THE WORLD BANK

IBRD was created in 1944 to rebuild Europe after World War II and was soon referred to as the “World Bank”.

- IBRD was designed to be financially self-sustaining and earn income to support its development activities.
- First loans were made to developed countries for reconstruction purposes.
- IBRD's focus shifted towards poverty alleviation in the 1960s and it continued to lend to countries that were creditworthy and could borrow at market-based rates.
The World Bank works with its member countries to design projects that meet their sustainable development needs.

All projects are designed to:
- Address country-identified priorities
- Contribute to World Bank goals
- Meet environmental and social standards
- Make a positive impact
All World Bank bonds support sustainable development. They offer investors the opportunity to invest in financial products with a high credit rating while supporting projects with positive impact.

01 Goals of the World Bank Group
02 Project Results
03 Sustainable Development Goals (SDGs)
OVERLAPPING CRISSES
The World Bank is responding with impact, speed and scale to help member countries

Shocks have had both a deep direct human and economic impact as well as long-term adverse spillovers on developing countries, threatening to reverse decades of development gains.

- Impacts of climate change
- Lingering pandemic effects
- Commodity shocks, food insecurity
- Wars and persistent fragility
WORLD BANK GROUP’S CLIMATE CHANGE ACTION PLAN
Aligning with the Paris Agreement, increasing Climate Finance

World Bank to be Paris Aligned by July 1, 2023

Definition
Provision of support to clients that is consistent with pathways towards equitable, sustainable, low-carbon, and climate-resilient development

Country Circumstances
Paris Agreement gives countries latitude in the pathways they choose based on country circumstances in integrating climate and development

Adaptation
 Ensuring physical risk mitigation measures are fully embedded in project design

Mitigation
Ensure investments support limiting global warming to well below 2 degrees, recognizing that peaking of GHG emissions will take longer for developing countries

Learn more about the World Bank’s Climate Change Action Plan (link)

World Bank Group to Increase Overall Flows to Climate
With at least 50% of climate financing going to adaptation

<table>
<thead>
<tr>
<th>World Bank Group Climate Finance Target (%)</th>
<th>World Bank Group Climate Finance ($ billion)</th>
</tr>
</thead>
<tbody>
<tr>
<td>35% FY21-25 target</td>
<td>$31.7B FY22</td>
</tr>
<tr>
<td>26% FY16-20 average delivered</td>
<td>$21.4B FY21</td>
</tr>
</tbody>
</table>

* Institutions of the World Bank Group that contribute climate benefits include: IBRD, IDA, IFC and MIGA and averaged together.
CLIMATE ACTION CUTS ACROSS SECTORS

100% of all IBRD projects are screened for climate risk and impact

90% of all IBRD projects (by #) had climate financing in FY22, representing

38% of all commitments (by dollar value)

Climate results Cut Across all World Bank Sectors

- Energy & Extractives
- Agriculture
- Urban Resilience & Land
- Transport
- Water
- Environment, Natural Resources & Blue Economy
- Social Sustainability & Inclusion
- Finance & Competitiveness
- Governance
- Trade
- Poverty & Equity
- Education
- Health, Nutrition and Population
- Social Protection
- Digital Development
WHY INVEST WITH THE WORLD BANK?
KEY FEATURES OF WORLD BANK BONDS

Decades in capital market, wide range of products
- Issuing debt since 1947; triple-A rating since 1959
- Fixed income products in multiple currencies, structures and maturities

Special Features
- 0% Basel II and III risk weighting minimizes capital requirements
- Liquid bonds are classified as “Level 1 HQLA” (high quality liquid assets)

Safety
- Strong balance sheet as a result of prudent financial policies
- Funds only for sovereigns/sovereign-guaranteed projects

Development Mandate
- The World Bank’s sustainable development programs aim to achieve positive social and environmental impacts in member countries
WHY INVEST? SECURITY
AAA/Aaa Credit rating

Conservative Financial Policies
- States only as borrowers
- Limits for individual countries
- Borrowers are also shareholders
- Preferred creditor status

Conservative Risk Management
- Fixed credit limits
- Equity to loans ratio granted only takes into account the equity paid in
- Strict and conservative investment policy

Solid Capital Structure
- Equity US$55 bn (FY22)
- Callable capital US$287 bn (FY22)
- 189 state shareholders
- 2018 capital increase of US$7.5 bn increases borrowing capacity

High Liquidity
- Target liquidity level is 12 months coverage (US$54 bn in FY23)
- Actual liquidity exceeds target (US$79 bn in FY22)
- Bond portfolio with securities rated AAA/AA
### BALANCE SHEET STRUCTURE

**Key Balance Sheet Items (As of June 30, 2022, in billions US$)**

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount (in billions US$)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loans Outstanding (a)</td>
<td>US$227</td>
</tr>
<tr>
<td>Investments (b)</td>
<td>US$82</td>
</tr>
<tr>
<td>Other</td>
<td>US$9</td>
</tr>
<tr>
<td><strong>Assets</strong></td>
<td><strong>US$318</strong></td>
</tr>
<tr>
<td>Borrowings</td>
<td>US$235</td>
</tr>
<tr>
<td>Equity</td>
<td>US$55</td>
</tr>
<tr>
<td>Other</td>
<td>US$28</td>
</tr>
<tr>
<td><strong>Liabilities &amp; Equity</strong></td>
<td><strong>US$318</strong></td>
</tr>
</tbody>
</table>

(a) Net of accumulated loan loss provision and deferred loan income
(b) Investments and due from banks; of this amount, the liquidity portfolio is US$79 billion
WORLD BANK’S STRONG CREDIT QUALITY

- Global diversification
- Lending only to sovereign or sovereign-guaranteed projects
- Borrowing clients are also shareholders; increased incentive to repay
- Preferred creditor treatment – borrowing clients prioritize financial obligations to the World Bank – recognized by rating agencies and financial market participants
- Policy of freezing additional lending if payments not on time
- Concentration limits for individual countries

**Top 10 Country Exposures for IBRD**
(as of June 30, 2022, US$ billions)
Shareholder Support
• IBRD bonds are supported by the strength of its balance sheet and support of its 189 sovereign shareholders

Largest Shareholders
• United States, 16.69%
• Japan, 7.85%
• China, 5.61%
• Germany, 4.31%
• France, 4.12%
• United Kingdom, 4.12%

By percentage of total subscription as of June 30, 2022

Callable Capital
• The World Bank’s financial policies are designed to minimize the need for a call on capital and key management tools like the Equity-to-Loans ratio targets do not take callable capital into account.
• No call has ever been made on a callable capital.
• Callable capital can only be called to satisfy debt obligations. Shareholders are responsible for the full amount of their callable capital subscription regardless of ability to fulfill their obligations.

<table>
<thead>
<tr>
<th>Total Subscribed Capital</th>
<th>US$ billions as of June 30, 2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paid-in Capital</td>
<td>US$20.5</td>
</tr>
<tr>
<td>Callable Capital</td>
<td>US$286.6</td>
</tr>
<tr>
<td>Subscribed Capital</td>
<td>US$307.1</td>
</tr>
</tbody>
</table>
**WORLD BANK’S STRONG CREDIT QUALITY**

- **Conservative financial policies** are designed to minimize the need for a call on capital.

- Key risk management indicators such as **Equity-to-Loans ratio** (22% as of June 30, 2022) do not factor in callable capital to determine IBRD’s risk-bearing capacity.

- As of June 30, 2022, the total outstanding amount of direct loans and guarantees made by IBRD was $236 billion, i.e., **69.5%** of subscribed capital, reserves, and surplus.

- FX and interest rate risks managed carefully to minimize risks.

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**Quality Loan Portfolio**

- Diversified shareholder base

**Prudent Risk Management**

- “Gearing Ratio” (US$ billions; FY22)

<table>
<thead>
<tr>
<th>Part</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Callable Capital</td>
<td>$287</td>
</tr>
<tr>
<td>Reserves &amp; Surplus</td>
<td>$32</td>
</tr>
<tr>
<td>Paid-In Capital</td>
<td>$21</td>
</tr>
<tr>
<td>Total:</td>
<td>$339</td>
</tr>
</tbody>
</table>

(a) Net of accumulated loan loss provisions

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**Liquidity**

- Net of accumulated loan loss provisions $20 billion.
The target liquidity level represents 12 months coverage as calculated at the beginning of every fiscal year.

Actual liquidity exceeds the estimated liquidity requirement to provide financial flexibility in the timing of new debt issuance while meeting obligations. The FY23 target liquidity level was set at US$54 billion, US$3 billion lower than FY22 Target Liquidity Level due to lower projected debt service for FY23.

Liquidity portfolio is conservatively managed against strict guidelines. Eligible investments are highly rated fixed income securities rated AA- or better for governments and agencies, and AAA for corporates and ABS.
WHAT INVESTMENT PRODUCTS DOES THE WORLD BANK OFFER?
FUNDING STRATEGY

Meet Investors’ Needs
• Offer a wide range of debt instruments from a AAA/Aaa issuer, with various characteristics including flexible structures, size, liquidity and maturities.
• Customize products to meet investor preferences
• Maturities up to 50 years.
• A 0% Basel II and III risk weighting minimizes capital requirements.
• Liquid bonds are considered level 1 HQLA (high quality liquid assets).
• Bonds have ‘green’ or ‘sustainability’ bond tag in Bloomberg

High Execution Standards
• Broad sponsorship from underwriters with solid primary placement with a diversified investor base.
• Strong aftermarket spread performance for liquid bonds.
FUNDING PROGRAM
Investors have a wide choice of products to choose from

- Global & Benchmark Bonds
- Non-Core Currency Bonds
- Structured Notes & Callable Bonds
- Capital-at-Risk Notes
- Discount Notes

- Liquidity
- Diversification
- Customization
- Extra Yield Potential
- Cash Management

- USD 40%
- EUR 17%
- Other 43%

Fiscal Year 2023

- Structured/ Risk Transfer Notes
- Other/ Plain Vanilla Bonds
- Benchmark/ Global Bonds

Fiscal Year: FY16, FY17, FY18, FY19, FY20, FY21, FY22, FY23
World Bank bonds provide investors with an opportunity to do well by doing good.

World Bank Sustainable Development Bonds and Green Bonds are:
- aligned with the Sustainability Bond Guidelines
- tagged sustainability bonds on Bloomberg
- displayed on the Luxembourg Green & Sustainable Exchange

SUSTAINABLE DEVELOPMENT BONDS
Connecting Investment with Purpose
World Bank Sustainable Development Bonds support the financing of a combination of green and social, i.e., “sustainable development”, projects, programs, and activities in IBRD member countries.

Each project is designed intentionally to achieve both positive social and environmental impacts and outcomes in line with the World Bank Group’s twin goals of eliminating extreme poverty and promoting shared prosperity.

The World Bank’s Sustainable Development Bond Framework describes the process for selecting, evaluating and reporting on eligible Sustainable Development Projects and contains descriptions and examples of such eligible projects.

Target Populations: World Bank projects aim to protect and empower vulnerable groups, including women and girls, the poor, disabled people, and youth to reduce poverty, improve living standards, and raise income and productivity.
The World Bank offers global bonds in a variety of currencies and maturities through strategic offerings designed to meet investor demand.

• **Global Bonds provide:**
  — Investors with liquidity and strong dealer commitment to secondary market support
  — Diversification among triple-A holdings and benefit from a rarity value in the marketplace

• **Characteristics:**
  — Issue size is typically US$1-4 billion, or benchmark size for each market; largest benchmark was US$8 billion
  — Maturities generally range between 2-10 years
  — Denominated in a variety of currencies, incl. USD, EUR, GBP, CAD, AUD, NZD

• World Bank bonds are represented in **major indices**

• **Pricing** and other bond details: Bloomberg: IBRD <Govt> <Go> or IBRD <Go>
On April 4, 2023, the World Bank (IBRD) priced a USD 5 billion 5-year Sustainable Development Bond. This transaction attracted nearly 150 orders totaling more than USD 8.2 billion from global investors.

Distribution by Geography

- Americas: 39%
- Asia: 18%
- Europe/ Middle East/ Africa: 43%

Distribution by Investor Type

- Central Banks / Official Institutions: 40%
- Asset Managers/Insurance /Pension Funds: 17%
- Banks/Bank Treasuries/Corporates: 43%

Summary Terms and Conditions

- Issuer Rating: Aaa/AAA
- Maturity: 5-year
- Total Amount: USD 5 billion
- Settlement Date: 04/12/2023
- Maturity Date: 07/12/2028
- Coupon: 3.50% p.a., payable semi-annually in arrear
- Senior co-lead managers: CastleOak Securities, L.P., Daiwa Capital Markets, National bank of Canada financial Inc., Scotiabank Europe plc

Net proceeds of the bonds described herein are not committed or earmarked for lending to, or financing of, any particular projects or programs, and returns on the bonds described herein are not linked to the performance of any particular project or program.*
On April 5, 2023, the World Bank (IBRD) priced a EUR 2 billion 15-year Sustainable Development Bond. This transaction attracted over 90 orders totaling Euro 2.6 billion from European and global investors.

**Distribution by Geography**
- Germany: 31%
- France: 31%
- Central Banks / Official Institutions: 13%
- Rest of Europe: 34%
- Other: 4%

**Distribution by Investor Type**
- Asset Managers/Insurance /Pension Funds: 59%
- Banks/Bank Treasuries/Corporates: 28%
- Other: 13%

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**EUR 2 billion 15-year Bond**

<table>
<thead>
<tr>
<th>Summary Terms and Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Issuer Rating:</td>
</tr>
<tr>
<td>Maturity:</td>
</tr>
<tr>
<td>Total Amount:</td>
</tr>
<tr>
<td>Settlement Date:</td>
</tr>
<tr>
<td>Maturity Date:</td>
</tr>
<tr>
<td>Coupon:</td>
</tr>
<tr>
<td>Leads:</td>
</tr>
</tbody>
</table>

*Net proceeds of the bonds described herein are not committed or earmarked for lending to, or financing of, any particular projects or programs, and returns on the bonds described herein are not linked to the performance of any particular project or program.*
On January 5, 2023, the World Bank (IBRD) priced a USD 1.75 billion Sustainable Development Bond linked to the Secured Overnight Financing Rate (SOFR). The transaction attracted over 35 orders totaling nearly USD 2 billion from a diverse set of investors seeking a high credit quality investment while supporting sustainable development.

**Distribution by Geography**
- Americas: 43%
- Europe/Middle East/Africa: 50%
- Asia: 7%

**Distribution by Investor Type**
- Bank Treasuries / Banks / Corporates: 81%
- Central Banks / Official Institutions: 11%
- Asset Managers / Pension / Insurance: 8%

**USD 1.75 billion 4-year Bond**

<table>
<thead>
<tr>
<th>Summary Terms and Conditions</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Issuer Rating:</td>
<td>Aaa/AAA</td>
</tr>
<tr>
<td>Maturity:</td>
<td>4-year</td>
</tr>
<tr>
<td>Total Amount:</td>
<td>USD 1.75 billion</td>
</tr>
<tr>
<td>Settlement Date:</td>
<td>01/12/2023</td>
</tr>
<tr>
<td>Maturity Date:</td>
<td>01/12/2027</td>
</tr>
<tr>
<td>Coupon:</td>
<td>Compounded SOFR + 37 basis points</td>
</tr>
<tr>
<td>Leads:</td>
<td>Wells Fargo Securities, BMO Capital Markets, Scotiabank</td>
</tr>
</tbody>
</table>

Net proceeds of the bonds described herein are not committed or earmarked for lending to, or financing of, any particular projects or programs, and returns on the bonds described herein are not linked to the performance of any particular project or program.*
On January 6, 2022, the World Bank (IBRD) priced a GBP 1.5 billion Sustainable Development Bond. This transaction attracted 50 orders totaling more than USD 1.9 billion appealing to investors seeking a high credit quality investment while supporting sustainable development.

Net proceeds of the bonds described herein are not committed or earmarked for lending to, or financing of, any particular projects or programs, and returns on the bonds described herein are not linked to the performance of any particular project or program.*
DISCOUNT NOTES

- The World Bank offers flexible and customized short-term debt instruments through its USD Discount Notes Program using simple documentation (Offering Circular).

- Discount Notes are offered in the United States and Eurodollar markets.

- Rates for World Bank Discount Notes are posted on Bloomberg's “ADN” page under the World Bank option (“WBDN”).

- Discount Notes characteristics:
  - maturities of 397 days (13 months) or less
  - aggregate face amounts of US$50,000 and higher per maturity date
BUYBACK PROGRAM

- The World Bank buys back its own bonds through dealers on a reverse enquiry basis
- Program is designed to offer backstop liquidity to investors and covers vanilla and structured IBRD notes, as well as benchmarks
- Repurchased notes are retired from the market
- The program has been operational 20+ years, including the 2008-2009 financial crisis and the 2020 COVID-19 crisis with average volumes of roughly US$1 billion annually
- Confidential execution as requested
- Execution remains at the discretion of IBRD
On March 17, 2023, the World Bank (IBRD) issued a joint catastrophe bond and swap transaction that provides a total of USD 630 million of earthquake insurance to the Government of Chile for three years, consisting of USD 350 million of catastrophe bonds and USD 280 million of catastrophe swaps. The bond is IBRD’s 19th cat bond and the first listed on the Hong Kong Exchange (HKEX).

Net proceeds of the bonds described herein are not committed or earmarked for lending to, or financing of, any particular projects or programs, and returns on the bonds described herein are not linked to the performance of any particular project or program.\textsuperscript{a}

### USD 350 million 3-year Cat Bond

**Summary Terms and Conditions**

- **Issuer Rating:** Aaa/AAA
- **Maturity:** 3-year
- **Total Amount:** USD 350 million
- **Settlement Date:** 03/24/2023
- **Maturity Date:** 03/31/2026
- **Bond Coupon:** Compounded SOFR + Funding Margin + Risk Margin
- **Risk Margin:** +4.75% p.a.
- **Funding Margin:** +0.04% p.a.
- **Covered Perils:** Earthquake
- **Trigger:** Parametric, per occurrence
- **Leads:** Aon Securities, GC Securities and Swiss Re Capital Markets

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\textsuperscript{a} Chile Cat Bond Press Release

Chile Cat Bond listed on the HKEX Press Release
On March 31, 2022, the World Bank (IBRD) issued the first **Wildlife Conservation Bond**, a principal protected outcome bond, that channels additional private capital for conservation outcomes.

- Investors foregone regular coupons **fund conservation investment** in two parks in South Africa, while also providing environmental and social benefits to local communities.

- In addition to return of principal and a small guaranteed return, investors potentially receive a **conservation success payment** at maturity (funded by the Global Environment Facility) based on rhino population growth rates.

- Nuveen was the lead investor in the transaction which included other **institutional investors and individual investors** from both Credit Suisse and Citi private banking.

**USD 150 million 5-year Bond**

<table>
<thead>
<tr>
<th>Summary Terms and Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rating: AAAp</td>
</tr>
<tr>
<td>Maturity: 5-year</td>
</tr>
<tr>
<td>Total Amount: USD 150 million</td>
</tr>
<tr>
<td>Settlement Date: 03/31/2022</td>
</tr>
<tr>
<td>Maturity Date: 03/31/2027</td>
</tr>
<tr>
<td>Issue Price: 94.84%</td>
</tr>
<tr>
<td>Conservation Investment Payment: Issuer will make payments totaling ZAR 152 million to the Park Managers to finance rhino conservation activities.</td>
</tr>
<tr>
<td>Conservation Success Payment: Paid to investors at maturity based on rhino growth rates in two Parks. Maximum payment is US$13.76 million</td>
</tr>
<tr>
<td>Sole Structurer: Credit Suisse</td>
</tr>
<tr>
<td>Bookrunners: Credit Suisse and Citibank, NA</td>
</tr>
</tbody>
</table>

**WCB Press Release**

USD 150 million 5-year Bond

- Investors foregone regular coupons to fund conservation investment in two parks in South Africa, while also providing environmental and social benefits to local communities.

- In addition to return of principal and a small guaranteed return, investors potentially receive a conservation success payment at maturity (funded by the Global Environment Facility) based on rhino population growth rates.

- Nuveen was the lead investor in the transaction which included other institutional investors and individual investors from both Credit Suisse and Citi private banking.
On February 22, 2023, the World Bank (IBRD) issued an Emission Reduction-Linked Bond, a principal protected outcome bond, that channels private capital to a project with positive climate and development impacts.

- Investors foregone regular coupons provide up-front financing for manufacture and distribution of 300,000 water purifiers to approximately 8,000 schools and institutions in Vietnam.
- The project is expected to reduce greenhouse gas emissions by almost 3 million tons of carbon dioxide over 5 years.
- In addition to return of principal and a small guaranteed return, investors receive variable coupons linked to the issuance of Verified Carbon Units (VCUs) generated by the water purifier project.

**USD 50 million 5-year Bond**

<table>
<thead>
<tr>
<th>Summary Terms and Conditions</th>
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</thead>
<tbody>
<tr>
<td>Rating:</td>
</tr>
<tr>
<td>Maturity:</td>
</tr>
<tr>
<td>Total Amount:</td>
</tr>
<tr>
<td>Settlement Date:</td>
</tr>
<tr>
<td>Maturity Date:</td>
</tr>
<tr>
<td>Issue Price:</td>
</tr>
<tr>
<td>VCU-Linked Interest Payment:</td>
</tr>
<tr>
<td>Lead Manager:</td>
</tr>
</tbody>
</table>

Net proceeds of the bonds described herein are not committed or earmarked for lending to, or financing of, any particular World Bank projects or programs. Payments on the bonds are not funded by any particular World Bank project or program.

ER-Linked Bond Press Release
HOW IS THE WORLD BANK ENGAGING WITH INVESTORS ON THE SDGs?
A revolution sparked by green bonds has the potential to drive more data-driven sustainable/impact investing. The green bond model for project selection, second party opinion, and impact reporting has expanded to World Bank Sustainable Development Bonds.

World Bank’s first green bond catalyzed the green bond market and spearheaded disclosure and impact reporting standards for green and other sustainable assets.

Issuer of sustainable development bonds and green bonds.

Engagement with investors and others on sustainable and impact investments.

Partnering with others to:
- leverage our issuance and development experience
- increase awareness for thematic investment and sustainable capital flows
- support transparency and data availability as a global public good.
PIONEERING THE GREEN BOND MARKET

- The World Bank’s first green bond catalyzed the green bond market and spearheaded disclosure and impact reporting standards for green and other sustainable assets.
- Green bonds carry the same financial terms and risk as other World Bank bonds.
- The World Bank is advising member countries on green finance and green bond issuance, e.g., through a guide for a national taxonomy.

Examples of projects herein are for illustrative purposes only and no assurance can be provided that disbursements for projects with these specific characteristics will be made by IBRD anytime in the future. Net proceeds of IBRD securities are not committed or earmarked for lending to, or financing of, any particular projects or programs, and returns on IBRD securities are not linked to the performance of any particular project or program.

- 4,800,000 tons of untreated wastewater prevented from flowing into rivers annually in China
- 6,000,000 tons of CO₂ emissions reduced due to reforestation in Mexico
- 774,600 hectares of forest restored or reforested in China & Mexico
- 51,462 GWh in annual energy savings
MEETING INVESTOR DEMAND
For Sustainable Investment Products

• All World Bank bonds aim to achieve positive social and environmental impact in line with the SDGs.
• Investors are factoring environmental and social risks and sustainability considerations into decision-making.
• World Bank bonds are natural fit for investors seeking positive impact.
• World Bank Treasury is cultivating a long-term partnership with the private sector driving growth in green and sustainability bonds and innovation to mobilize financing for sustainable development.
• Investors are focusing investments on special themes and the SDGs like climate action, gender equality, good health and well-being, equitable social services, and sustainable transport.
ENGAGING WITH INVESTORS
World Bank Sustainable Development Bonds
Raise Awareness for the SDGs

Examples of dedicated themes

Nutrition, Human Capital & Health
Sustainable Cities
Women & Girls’ Empowerment
Women & Children’s Health
Responsible Consumption & Production
Water & Oceans
Green Bonds

Examples of projects herein are for illustrative purposes only and no assurance can be provided that disbursements for projects with these specific characteristics will be made by IBRD anytime in the future. Net proceeds of IBRD securities are not committed or earmarked for lending to, or financing of, any particular projects or programs, and returns on IBRD securities are not linked to the performance of any particular project or program.
SUSTAINABLE DEVELOPMENT BONDS

IBRD issues two types of labeled bonds

World Bank Sustainable Development Bonds aligned with Sustainability Bond Guidelines published by ICMA

World Bank Green Bonds aligned with Green Bond Principles published by ICMA
SUSTAINABLE DEVELOPMENT BONDS
Holistic Approach Uses SDGs as a Framework

Sustainable & Inclusive Growth

- **9.2 million people** with enhanced access to transportation services
- **772 MW** of generation capacity or energy constructed or rehabilitated
- **493,000 people** with new/improved electricity service
- **500,000 people** with new/enhanced access to broadband internet
- **29.3 million students** with direct interventions to enhance learning
- **9.1 million beneficiaries** of job-focused interventions
  - Of which:
    - **590,000 beneficiaries** of financial services
      - 3.3 million farmers accessing agricultural assets/services
      - 865,220 teachers recruited/trained
      - 2.7 million beneficiaries of job-focused interventions
      - 755,200 students benefiting from direct interventions to enhance learning
      - 1.1 million people benefiting from labor market programs
- **590,000 people** and **10,000 businesses** benefiting from financial services

- **680 projects supported**
- **$33.1 billion in lending committed**

Read the 2022 World Bank (IBRD) Impact Report
The graph above shows the proportion of projects related to the gender-sensitive SDG targets across the project portfolio beyond SDG 5 and demonstrates the interconnected nature of the SDGs and the importance of taking a holistic approach to examining such connections.
GREEN BONDS

FY22 GREEN BOND PROJECT RESULTS

- **Biodiversity**: 7.3 million ha under sustainable landscape management practices.
- **Resilient Infrastructure**: 25 years of return period for which roads are designed to withstand a flood event.
- **Clean Transportation**: 1.2 million people benefiting from enhanced access to transportation services.
- **Sustainable Agriculture**: 134,420 clients adopting improved agricultural technology.
- **Renewable Energy & Energy Efficiency**: 675,023 MWh of heat and electricity generated from renewable biomass, 105,571 MWh of annual energy savings, 179 MW of renewable capacity added.
- **43,836 t** of annual pollution load (CO2) and 5,031 tons of annual nutrient load to waterways reduced.
- **37,594 ha** provided with new/improved irrigation or drainage services.

Read the [2022 World Bank (IBRD) Impact Report](#).
The World Bank’s purpose is to **end extreme poverty** and **promote shared prosperity**.

World Bank bonds fund sustainable development activities.

**AAA/Aaa rating** is based on its strong balance sheet and capital, conservative financial policies and risk management, and support from 189 member countries.

**Wide range of products** ranging from benchmark bonds to tailor-made notes designed to suit specific investor needs.

All bonds are labeled as ‘sustainability’ or ‘green’ bonds designed to achieve positive impact.

**Outcome based structured bonds** allow investors to take on other risks for additional impact.
ANNEX: PROJECT STORIES

Disclaimer: Examples of projects herein are for illustrative purposes only and no assurance can be provided that disbursements for projects with these specific characteristics will be made by IBRD anytime in the future. Net proceeds of IBRD securities are not committed or earmarked for lending to, or financing of, any particular projects or programs, and returns on IBRD securities are not linked to the performance of any particular project or program.
Access and Quality in Higher Education

Development Challenge: The participation of young people from socioeconomically disadvantaged backgrounds in tertiary education in Colombia is very low. In 2014, only 10% of young people in the poorest quintile enrolled in a higher education program, compared to 59% of the richest quintile. That same year, only 13% of the rural population enrolled in a tertiary education program, as compared to 60% in the main cities. Half of the students who enter tertiary education drop out before finishing their studies.

Purpose: Improve the quality of tertiary education in participating institutions and increase enrollment of students from disadvantaged socioeconomic backgrounds in quality programs. The project provides financing for students to attend tertiary and postgraduate education through student loans and scholarships. The project also provides financing for institutions to carry out quality improvements to obtain accreditation through competitive research grants and loans.

Expected Results (include):
• 1,222,876 students from disadvantaged backgrounds enrolled in tertiary education
• 46,080 students from low socioeconomic groups who obtain a loan
• 322,000 students benefiting from direct interventions to enhance learning
• 6.2% of new student loans given to victims of violence; 7.5% to indigenous, afro-Colombians, and Roma people; 7% of loans to new students in 'remote areas'

IBRD Financing: $160 million
Closing: 2023

For more information: https://projects.worldbank.org/en/projects-operations/project-detail/P160446
EGYPT
Greater Cairo Air Pollution Management and Climate Change Project

Development Challenge: Despite significant improvements in air quality in recent years, Greater Cairo’s air pollution levels far exceed international standards. Pollution management is key to providing safe living conditions for communities while reducing the health burden, fiscal strain, and economic costs from environmental degradation. Air pollution and adverse climate impacts threaten the longevity of Egypt’s draw for tourism (a sector that contributes about 12% to GDP) by degrading Egypt’s rich cultural heritage and creating conditions that discourage tourists from visiting altogether.

Purpose: Reduce air and climate emissions from critical sectors and increase resilience to air pollution in Greater Cairo. In response to COVID-19, the project is working to improve healthcare waste management systems and introduce prevention measures in municipal waste operations. This will focus on under-served hospitals to provide waste sterilization equipment and personal protective gear, alongside the provision of technical assistance and training on the safe handling, transportation and disposal of healthcare waste.

Expected Results (include):
• Increase the number of women employed in the solid waste chain by 10%, following training and capacity building
• Reduce GHG emissions from public buses by 23%
• Reduce GHG emissions from municipal solid waste by 30%

IBRD Financing: $200 million
Closing: 2026

For more information: https://projects.worldbank.org/en/projects-operations/project-detail/P172548

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Development Challenge: Although Gabon has two laboratories capable of diagnosing COVID-19, samples must be transported either by air, facing logistical constraints, or by road, which is far from the capital. These two centers do not have enough capacity to provide the laboratory testing Gabon needs during the COVID-19 pandemic and financial support is needed for laboratory equipment and acquisition of kits and laboratory reagents.

Purpose: Prevent, detect, and respond to the threat posed by COVID-19 and strengthen national systems for public health preparedness in Gabon. The project received additional financing to support the country’s National Vaccination and Deployment Plan, to enable affordable and equitable access to COVID-19 vaccines, providing 945,255 doses.

Expected Results (include):
- 23 laboratories provided with COVID-19 diagnostic equipment, test kits, and reagents
- Increase the percentage of health staff equipped with appropriate PPE for infection prevention and control to 80%
- Provide 26 ambulances to transport COVID-19 patients
- 60% of population vaccinated, of which 50% are women
- Distribute gender sensitive educational communication materials on COVID-19 vaccines

IBRD Financing: $21 million

Closing: 2024
Development Challenge: Guatemala faces a crisis as a result of the spread of COVID-19, both in terms of public health and the economy. COVID-19 has worsened the country’s economic situation, leading to a rise in malnutrition along with food shortages and an increase in food prices. Approximately 47% of Guatemalan children suffer from stunting – one of the highest rates in the world. The capacity of the country’s health infrastructure to respond to the crisis is limited due to high demand and insufficient human resources, equipment, and financing.

Purpose: Improve selected practices, services, and behaviors known to be key determinants of chronic malnutrition (with an emphasis on the first 1,000 days of life) and respond to the threat posed by COVID-19, in selected intervention areas. In response to the COVID-19 pandemic, the project was restructured to reallocate $20 million of original project financing to increase capacity for COVID-19 testing and expand temporary and mobile medical pavilions to cope with the increasing demand for health services.

Expected Results (include):
• 680,000 people reached with essential health, nutrition, and population services including:
  ─ 400,000 children under 5 years old receiving immunizations
  ─ 280,000 women and children under 5 years old receiving basic nutrition services
• Train 5,000 health staff in COVID-19 infection prevention and control
• Build and equip 2 temporary hospitals for COVID-19 treatment

IBRD Financing: $100 million
Closing: 2024
Development Challenge: While India is recognized as a leading global manufacturer of high-quality generic drugs, industry gaps and market failures constrain its innovation capabilities, limiting its competitiveness and ability to address its disease burden. Diseases that disproportionately affect low- and middle-income countries are largely ignored as companies tend to allocate resources to high-profit markets, leading to a growing concern of getting affordable healthcare in India.

Purpose: Facilitate innovation in biopharmaceutical products and medical devices that address public health priorities. Strengthen and accelerate the pilot-to-market innovation ecosystem for low-cost vaccines, biopharmaceuticals, diagnostics, and medical devices funding for the government of India’s Biotechnology Industry Research Assistance Program (BIRAC). The project will provide grant funding to companies, research and academic institutions, and practitioners to support early-stage bio-manufacturing, clinical development, training, and technology transfer.

Expected Results (include):
- 50 products addressing public health priorities advance at least one step on the product development pathway
- 23 technologies licensed for manufacturing or commercialization
- 14 international publications
- 6,295 people trained

IBRD Financing: $125 million
Closing: 2023

For more information:
LEBANON
Greater Beirut Urban Transport Project

Development Challenge: Lebanon has one of the highest population densities in the world. About 87% of the resident population lives in urban areas, with more than half in the Greater Beirut Area. The economic cost of traffic congestion in Lebanon is estimated above US$2 billion, between 5% and 10% of national GDP. A growing population, including an increase in Syrian refugees, has increased traffic levels by as much as 25%.

Purpose: Improve the speed, quality, and accessibility of public transport for passengers in Greater Beirut and at the city of Beirut’s northern entrance. The project will provide needed infrastructure to reduce the traffic burden, create jobs, and stimulate the economy while increasing mobility and ensuring security for vulnerable groups including the poor, women, and youth.

Expected Results (include):
• Create 2 million labor days in construction jobs for low-income Lebanese and Syrians
• Attract more than 300,000 passengers per day while halving commute times between Beirut and the northern suburbs
• Reduce traffic congestion
• 60,0000 tons of CO2 equivalent reduced annually

IBRD Financing: $225.2 million
Closing: 2023

SERBIA
Enabling Digital Governance Project

Development Challenge: The Serbian government wanted to digitalize services to quickly respond to the COVID-19 crisis and prepare for the second wave of the pandemic. While Serbia has placed a strong emphasis on e-government services, efforts have been uncoordinated and only partially funded. Many registries and information databases are fragmented, imposing an additional burden in terms of time and costs to citizens and businesses when engaging with the government.

Purpose: Improve access to and efficiency of online government services. Two activities have been introduced in response to the COVID-19 pandemic: (1) a business continuity assessment for government institutions to help guide the transition to providing digital services, and (2) the development of software solutions to enable mobile access to government services.

Expected Results (include):
- Increase the number of government services digitized and available online to 30, from a baseline of 4
- Provide 200,000,000 people with access to online services
- Increase user satisfaction with online services by 50%

IBRD Financing: $50 million
Closing: 2024

For more information: https://projects.worldbank.org/en/projects-operations/project-detail/P164824

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TURKEY
Energy Efficiency in Public Buildings

**Development Challenge:** Energy efficiency is critical for Turkey to sustain its economic growth while meeting its commitments for climate change and environmental sustainability. As energy use per capita in Turkey rises, its energy intensity is expected to grow. This high intensity negatively impacts energy security as Turkey’s energy imports account for almost 19% of the country’s total imports. It also has a negative impact on the environment, with the energy sector accounting for 72.2% of the country’s greenhouse gas (GHG) emissions.

**Purpose:** Reduce energy use in central government buildings and inform the development of sustainable financing mechanisms to support a scaled-up, national program for energy efficiency in public buildings. The project supports the renovation of central government and central-government affiliated buildings (i.e., public buildings including schools and hospitals); and strengthens technical assistance to support project implementation to ensure its sustainability and scale-up.

**Expected Results (include):**
- 315 GWh of annual energy savings
- 225,000 tons of CO2 equivalent reduced annually
- 620 buildings commissioned
- US$18,000,000 of energy costs savings annually

**IBRD Financing:** $150 million

**Closing:** 2025

For more information:
https://projects.worldbank.org/en/projects-operations/project-detail/P162762
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