Developing Social Bond Markets in Asia: Social Impacts in the Asian Context

Virtual Event via Zoom
5 November 2020, 9:00 AM Manila Time
Using Social Bonds To Achieve Meaningful Impact in Developing Asia

Presenters: Professor Jane Elizabeth Hughes, and Jason Mortimer
Today’s Agenda

• Build Back Better
• Impact Areas:
  • Crisis Alleviation, Health, Food Security, Water and Sanitation
  • SME Finance
  • Resilience
  • Education and Training, Girls’ Education
  • Gender Equity
  • Digital Access and Financial Services
  • Poverty and Inequality
• Intersectionality
• Social Impact Measurement
• Market Analysis: Impact Areas and Metrics
• Conclusions: Optimizing Impact in the COVID Era and Beyond
Build Back Better

• With Social Bond issuance set to achieve a new record in 2020, it is important to optimize their use in developing Asia, specifically:
  • Which social issues to address
  • How to maximize deep and lasting impact

• Like most disasters, COVID has disproportionately harmed poor, underserved, and vulnerable communities

• Much more than a health crisis; pandemic affects virtually all aspects of human development
  • Disaster impacts health, education, livelihoods
  • Will not only deepen poverty but widen inequality; affect future generations

• Need to **build back better**
  • Meet urgent short-term needs for employment and health care
  • Address underlying, longer-term issues such as poverty and resilience
Impact: Crisis Alleviation

- COVID deaths in developing Asia are around 160,000
- Immediate priority is to save lives
  - Boost hospital capacity and public health services
  - Purchase protective equipment and medicines
  - Purchase vaccines, when available
- More than health care
  - Address hunger
  - Protect firms from bankruptcy, protect families from eviction
  - Provide direct cash support to households

<table>
<thead>
<tr>
<th>Country</th>
<th>Total Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>India</td>
<td>119,000</td>
</tr>
<tr>
<td>Indonesia</td>
<td>13,299</td>
</tr>
<tr>
<td>Philippines</td>
<td>6977</td>
</tr>
<tr>
<td>Pakistan</td>
<td>6736</td>
</tr>
<tr>
<td>Bangladesh</td>
<td>5803</td>
</tr>
<tr>
<td>China</td>
<td>4634</td>
</tr>
</tbody>
</table>
Impact: Health

- COVID has reversed 2 decades of progress in vaccinating children; vaccines are a good proxy measure for how health systems are coping
- Funding needed to scale up telehealth, add healthcare capacity, improve the performance of public hospitals and maternal healthcare
Impact: Food Security and Water

- COVID has exposed vulnerabilities in global food and water supplies
- Number of people confronting potentially life-threatening food insecurity in developing world will double in 2020 to 265M

- Of the 44 countries at high or extremely high risk of water crisis, 8 are Asian
- One reason why COVID spreads so quickly in developing countries: lack of clean water for washing

Prevalence of Food Insecurity in Total Population by Region of Asia, Pre-Pandemic (2018)
Source: FAO
Impact: SME Finance

- SMEs account for more than 96% of all businesses in Asia-Pacific, more than 2/3 of private sector jobs
- Contribute to youth and gender empowerment
- Opportunity to leap from “garage to great”
- Need to address SME funding gap, lack of financial literacy

SME Employment Share, Selected Asian Economies
(% of Employment)
Most recent available data, 2011-2016
(Source: ADB Institute)
Impact: Resilience

• Address the need for greater resilience before the next crisis
• Prevent and mitigate future disasters
• Over 60% of Asia-Pacific population lacks access to social protection, as do 70% of workers in informal sector
• Invest in resilience by addressing needs before next crisis
Impact: Education and Training

• Education may be greatest opportunity for impactful investment
• According to UNESCO, more than 1.5 billion children and youth – over 90% of the world’s students – have had education disrupted due to school closures
• A child who is out of school for more than a year is unlikely to return
• Without school, millions of children risk becoming trapped as laborers, child brides, soldiers, victims of human trafficking
• Education Commission: Total global aid for education is barely $10 per child
Impact: Girls’ Education

- Jeff Skoll: Girls’ education is the silver bullet for development
- One of the most effective ways to improve health, reduce conflict
- COVID threatens to derail progress
- Worldwide, UNESCO reports that the pandemic puts 11M girls at risk of never returning to school
- Girls who have been out of school are 2.5X more likely to drop out than boys
Impact: Gender Equity

• UN recommends putting “gender equality at the center of response efforts” to the pandemic, in order to build back better
• Pandemic has had gender-differentiated impact in Asia-Pacific; impact is even worse for minority and lower-income women
• Social Bonds can fund women-owned SMEs, create products and services for women consumers, decrease the digital divide, improve working conditions for women
Impact: Digital Access and Financial Services

• Pandemic highlights need for infrastructure, especially digital access
• Digital divide is development priority: rise in remote learning and work, financial inclusion (especially for women)
• Business sectors requiring digitization: SMEs, tourism, education, healthcare
• Digitization of SMEs in ASEAN could add $1.1T of GDP value by 2025
• Bain: Just 15% of SMEs in Southeast Asia use digital tools, despite 75% seeing digital integration as opportunity
• Addressing digital divide is opportunity to build back better, add resilience
Impact: Poverty and Inequality

Poverty and inequality are foundational and profound; underpin many of the abovementioned social ills, and present unique intersectional dimensions.
Intersectionality: Challenge & Opportunity

• Social ills are deeply intersectional; many problems are connected
• *Reduction in poverty & inequality requires addressing everything else, from education to infrastructure*
• Impossible to achieve sustainable development without addressing gender equity; impossible to achieve gender equity without progress in financial & digital inclusion, healthcare, education
• *This is the challenge; the opportunity is that the dynamism of women-led SMEs has the potential to become a source of economic resurgence, resilience in post-COVID recovery*
Social Impact Measurement: You can’t manage what you don’t measure

• A few principles:
  • Strict adherence to additionality
  • As consistent, objective, and verifiable as possible
  • Distinguish correlation from causality: RCTs?
  • Strive to determine real impact, not just counting heads
  • Enable comparability across projects to the extent that this is possible

• But in social impact measurement, these principles are more aspirational than widely practicable
  • Sometimes an exercise in quantifying the unquantifiable
  • Some impacts are very long-term (e.g. education)

• “It’s always apples to oranges”
Frameworks for Impact Measurement

- **ICMA Social Bond Principles:** Issuers should
  - Dedicate proceeds to specific social issue and target population
  - Clearly communicate social objectives, project selection criteria to investors
  - Manage proceeds in transparent manner
  - Maintain real-time information including annual report with performance indicators

- **Mapping to the SDGs**
  - Many investors seek to link portfolios to SDGs
  - Becoming common for issuers to map bonds’ use-of-proceeds to individual SDGs

Percentage of Issuer Social (Sustainability) Bond Frameworks that reference SDGs:
(Totals do not sum to 100% due to overlapping categories)
### Case Studies: SDG Mapping and Impact Assessment

<table>
<thead>
<tr>
<th>Issuer</th>
<th>SDG Linkage</th>
<th>Impact Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chugoku Bank Social Bond Japan, September 2020</td>
<td>SDG 8: Decent work and economic growth</td>
<td>Total loans outstanding and number of eligible loans</td>
</tr>
<tr>
<td>Bank of the Philippine Islands COVID Action Response (CARE) Bonds, Philippines, August 2020</td>
<td>SDG 8: Decent work and economic growth</td>
<td>Number of loans made to MSMEs, total monetary value of loans made to MSMEs</td>
</tr>
<tr>
<td>Bank of Ayudhya (Krungsri) Social Bond, Thailand, October 2019</td>
<td>SDG 5: Gender equality SDG 8: Decent work and economic growth SDG 9: Industry, innovation, &amp; infrastructure SDG 10: Reduced inequalities SDG 17: Partnerships for the goals</td>
<td>Employment generation through women-owned SMEs SME loans outstanding, and use of proceeds</td>
</tr>
</tbody>
</table>
Learning From SIBs and DIBs

- **Issue Areas**: Dominated by employment, social welfare
- **Impact Measurement**: “Outcomes” and outputs

**Issue Areas Addressed by SIBs and DIBs, 2010-2020**
(Source: Brookings Institution)

**Types of Metrics Used in Impact Bonds (Source: Brookings Institution)**

<table>
<thead>
<tr>
<th>Contracted Impact Bonds Total</th>
<th>Outcomes</th>
<th>Outcomes &amp; Outputs</th>
<th>Outputs</th>
<th>Data not Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>194</td>
<td>109</td>
<td>49</td>
<td>5</td>
<td>31</td>
</tr>
</tbody>
</table>
Impact Areas & Metrics in Social Bonds

Market Analysis

1. **Analysis of Social Bond Frameworks referencing SBP Projects**
   a) By region, SBP Project Group and Category
   b) Under-allocated SBP Project categories based on Framework reference and actual Allocation

2. **Funding allocations to Social Bond Principles (SBP) Project categories -- Estimated**
   a) Globally
   b) By region (Asia, Non-Asia, Supranational)
   c) By region and income level
   d) By region, income level, and country

3. **Funding allocations to Sustainable Development Goals (SDGs) -- Estimated**
   a) By SDG and Year
Social Bond frameworks are concentrated in just a few SBP project categories (Housing, SME Finance, Edu/Health).

Asian and Non-Asian frameworks show a similar distribution for projects. Supranational frameworks are expansive.

Data includes publically listed, ICMA-compliant Social Bonds 2017-2020 YTD (As at August 7, 2020)
1b. Analysis of Under-allocated SBP Project Categories

- In Asia, Health & Affordable Housing SBP project categories appear to be under-allocated relative to SBP frameworks.
- Additional Social Bond issuance targeting Under-allocated project areas could add impact and enhance diversification.

*Data includes publically listed, ICMA-compliant Social Bonds 2017-2020 YTD (As at August 7, 2020)*
2a. Global SBP Project Allocations

- Top investable SBP use of proceeds: Affordable Housing (26%), SME Finance (21%), and Education/Training (18%)
- 2020 has seen above-average growth in Education/Training, SME Finance, and Crisis Unemployment Alleviation (new)

Data includes publically listed, ICMA-compliant Social Bonds 2017-2020 YTD (As at August 7, 2020)
2b. Regional SBP Project Allocations

- In Asia, SME Finance (35%) is the largest SBP Project category by estimated allocated funding, followed by Transport (26%)
  - Large transport allocations are due to issuance by Japanese expressway operators
- In Non-Asia, Affordable Housing (32%) is the largest category, followed by Education/Training (21%)
  - Large Education/Training allocations are due to French unemployment training and assistance issuance
- Globally, Health is only 10% of the total, with only 3% in Asia

Data includes publicly listed, ICMA-compliant Social Bonds 2017-2020 YTD (As at August 7, 2020)
2c. Regional and Income SBP Project Allocations

- Across High Income countries, SBP Project allocations are roughly similar albeit with different areas of focus
  - 93% in our database of outstanding social bonds are issued by High Income countries

- In Ex-High Income countries, cross-regional differences are more pronounced, although data is limited
  - Asian Ex-High Income Social allocations are ~100% focused on Socio-economics issues (eg SME Finance)
  - Non-Asian Social issuance focuses on Basic Needs and Services

*Data includes publically listed, ICMA-compliant Social Bonds 2017-2020 YTD (As at August 7, 2020)*
Cumulative Social Bond project Group allocations in Japan and Republic of Korea now rivals or exceeds that of most other High Income countries ex-France
- 93% in our database of outstanding social bonds are issued by High Income countries

Republic of Korea experience growing the Social Bond market may provide a useful template for Ex-High Income Asian countries to follow
- Republic of Korea Project Group allocations more similar to Ex-High Income countries, but scale is large
- Issuance is driven largely by Governmental Agencies with social mandates

Data includes publically listed, ICMA-compliant Social Bonds 2017-2020 YTD (As at August 7, 2020)
3a. Global Social bond SDG Allocations

- Top Social Bond allocations to SDG: Decent Work #8 (22%), Sustainable Cities #11 (19%), and No Poverty #1 (15%)
- 2020 has seen above-average growth in Education/Training, SME Finance, and Crisis Unemployment Alleviation (new)

Data includes publically listed, ICMA-compliant Social Bonds 2017-2020 YTD (As at August 7, 2020)
Conclusions: Optimizing Impact in the COVID Era and Beyond

- Asia is highly important as engine of growth for world economy
- Will need to **build back better**, to build resilience
- Policymakers, issuers, investors will need to determine which issue areas should be addressed through Social Bond funding, and how to track impact using deeply imperfect metrics
- Don’t let perfect be the enemy of “good enough”
Thank you
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Q&A
Panel Discussion

Chair: Satoru Yamadera, Principal Financial Sector Specialist, ADB

Panelist:

1. Mr. Cedric Rimaud, Corporate Bonds and Green Finance Specialist, Climate Bonds Initiative

2. Mr. Gempaku Okuyama, General Manager, Global Fixed Income Investment Department, Dai-ichi Life Insurance

3. Ms. Gladys Chua, Head, Sustainability Services, RAM Sustainability Sdn Bhd
Mr. Cedric Rimaud
Corporate Bonds and Green Finance Specialist
Climate Bonds Initiative
THE ROAD THROUGH PARIS

THE CLIMATE AGREEMENT REACHED IN PARIS WAS A CRITICAL MILESTONE. HOWEVER, NOW BEGINS THE HARDEST LEG OF THE JOURNEY, AS WORDS NEED TO BE TURNED INTO URGENT ACTION, BOTH IN THE EU AND GLOBALLY.

2015
- The Paris Agreement comes into force
- All countries sign up to a global climate deal that aims to limit temperature rise to well below 2°C, with a goal of 1.5°C. 196 countries submit voluntary climate action plans to the UN.
- The Paris agreement incorporates several key WWF priorities:
  - **Emissions:** Greenhouse gas emissions should peak “as soon as possible.” All countries are called upon to develop long-term low-emission development plans and to update their climate change efforts every five years in line with the latest science.
  - **Finance:** Rich countries must provide at least US$100 billion a year in climate finance by 2020, and more after that, to finance the energy transition, protect forests and other ecosystems, and support the most vulnerable.
  - **Forests:** All countries need to act to end deforestation and unsustainable land use, which are responsible for around a quarter of greenhouse-gas emissions.
  - **Ecosystems:** The text highlighted the importance of ecosystems, including – for the first time – the ocean, in climate mitigation and adaptation, and loss and damage.

2016
- EU to work on ETS reform, implementing the 2030 climate and energy package, and 2050 targets for non-ETS sectors
- COP 21 in Paris: Paris Agreement enters into force
- WWF and other NGOs walk out in protest against the lack of progress and the excessive influence of polluting industries on talks

2018
- Countries to review their commitments in line with 1.5-2°C goal
- IPCC to provide a special report on the impacts of 1.5°C warming
- EU ETS ‘Market Stability Reserve’ starts, temporarily removing surplus allowances

2020
- First global stocktake at COP25 and every five years thereafter
- Paris Agreement to come into force – but emissions need to peak before then!

2023
- EU to reach emissions cuts of 80-95%. WWF is calling for a reduction of at least 95% and 100% renewable energy in the EU

2030
- Deadline for the EU to reach at least 40% emissions reductions, at least 27% renewables, and 27% energy efficiency (likely to be revised upwards)

Source: WWF
The steps to issuance

1. Prepare the bond
   • Identify assets that meet the relevant sector criteria and compile supporting information
   • Create Green Bond Framework setting out how proceeds of the bond will be used

2. Engage a verifier
   • Engage an Approved Verifier for pre- and post-issuance Certification
   • Provide them with relevant information
   • Receive a Verifier’s Report giving assurance that Climate Bonds Standard requirements are met

3. Get Certified & issue a Certified Climate Bond
   • Submit the Verifier’s Report and Information Form to the Climate Bonds Initiative
   • Receive a decision on pre-issuance Certification
   • Issue your bond, using the Certified Climate Bond mark

4. Confirm the Certification post-issuance
   • Within 12 months of issuance, submit the Verifiers post-issuance report
   • Receive notification of post-issuance certification

5. Report annually
   • Prepare a simple report each year for term of the bond
   • Provide it to bond holders and Climate Bonds Initiative
Climate Bonds Taxonomy

The Climate Bonds Taxonomy identifies the assets and projects needed to deliver a low carbon economy and gives GHG emissions screening criteria consistent with the 2-degree global warming target set by the COP 21 Paris Agreement. More information is available at https://standard.climatebonds.net/taxonomy.

[Diagram of Climate Bonds Taxonomy with categories such as Energy, Transport, Water, Buildings, Land Use & Marine Resources, Industry, Waste, and ICT, each with subcategories like Solar, Wind, Geothermal, Bioenergy, Hydropower, Marine Renewables, Transmission & distribution, Storage, Production, and others, along with symbols indicating certification criteria approved, criteria under development, and due to commence.]
Mr. Gempaku Okuyama
General Manager
Global Fixed Income Investment Department
Dai-ichi Life Insurance
Asian Development Bank’s Virtual Event
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Panel Discussion
Social Bonds: Impacts in Asia
Panelist: Ms. Gladys Chua, Head, Sustainability Services
5 November 2020
Development of Social and Sustainability Bonds/Sukuk in ASEAN & Malaysia

Regulatory catalyst:
Sustainable & Responsible Investment (SRI) Sukuk Framework

2014
1st Social SRI Sukuk
RM100 mil

2015
2nd Social SRI Sukuk
RM100 mil

2017
EDRA
ASEAN Sustainability SRI Sukuk (Solar + Farming)
RM500 mil

2018
HSBC Amanah
SDG Sukuk
RM245 mil

2019
CIMB BANK
SDG Bond
USD680 mil

2020
ASEAN Sustainability Bonds/Sukuk
RM100 mil (Affordable Housing) +
Sukuk Prihatin
RM666 mil

Total issuance in Malaysia: ~USD1.1 bil
Total issuance outside Malaysia: ~USD3.1 bil

ACMF
ASEAN Social Bond Standards
ASEAN Sustainability Bond Standards

RCBC

MANILA WATER
CARE IN EVERY DROP

~USD964 mil
Considerations by Various Stakeholders

ISSUER

INVESTOR

ARRANGER

BENEFICIARIES

Project Structure, Risk and Return

Pricing

Social Impact, Measurement & Reporting

Investor Education & Acceptance
THANK YOU

For more information on the above presentation, please contact

Gladys Chua
Head, Sustainability Services
(603) 3385 2611
✉️ gladys@ram.com.my

RAM Sustainability Sdn Bhd
Level 8, Mercu 2,
KL Eco City, No.3, Jalan Bangsar,
59200 Kuala Lumpur
T: (603) 3385 2488
F: (603) 3385 2582
W: www.ram.com.my
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