

**UNFCCC Regional Collaboration Centres** Promoting Action Against Climate Change

# Financing and use of the CDM



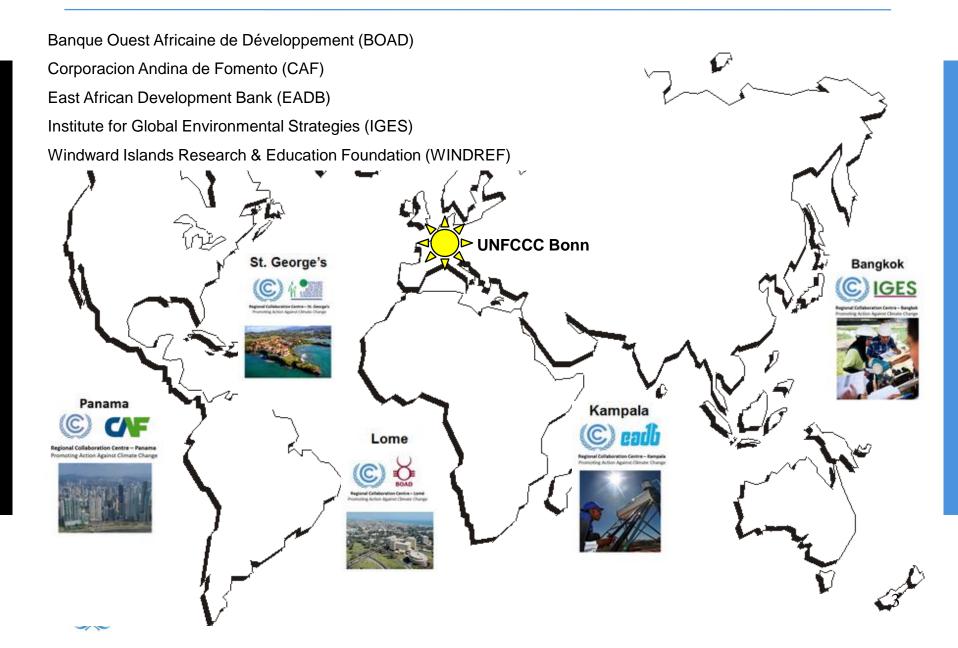


#### Historical background

- <u>CMP.1</u> (3/CMP.1, Annex, para B 4(d)): COP/MOP shall assist in arranging funding of CDM project activities, as necessary
- <u>CMP.1</u> (3/CMP.1, Annex, para C 5(i)): CDM-EB shall make publicly available information on projects needing funding and investors seeking opportunities
- <u>CMP.11</u> (6/CMP.11, para 8): encouraged the Board to explore opportunities for financing the CDM through international financing institutions, such as the GCF\*
- ✓ <u>EB-88</u>, E<u>B-90</u>, <u>EB-91</u>, <u>EB-94</u>, <u>EB-97</u> initiated neutral, unbiased, noncommercial support for several activities and added several additional
- ✓ <u>CMP.12</u> (3/CMP.12, para 4): encouraged the Board to continue its activities in response to CMP.11 above
- ✓ <u>CMP.13</u> (3/CMP.13, para 2): encouraged the Board to continue its cooperation with financial institutions in response CMP.11 above



#### **Representation globally**



#### Supporting the CDM-EB since 2016

Board approved activities:

Green Bond support development of CDM project financing via green bonds

**Crowd-finance** for projects via crowd-investing & -funding platforms

**EADB** support to the East African Development Bank

**BOAD** support to the West African Development Bank

**IDBZ** support to the Infrastructure Development Bank of Zimbabwe

**UDB** support to the Uganda Development Bank

**ASEAN**<sup>\*</sup> loans and bonds for CDM projects in south east Asia



Baker McKenzie.

**ClimateMundial** 

















# Climate for finance (F4C)

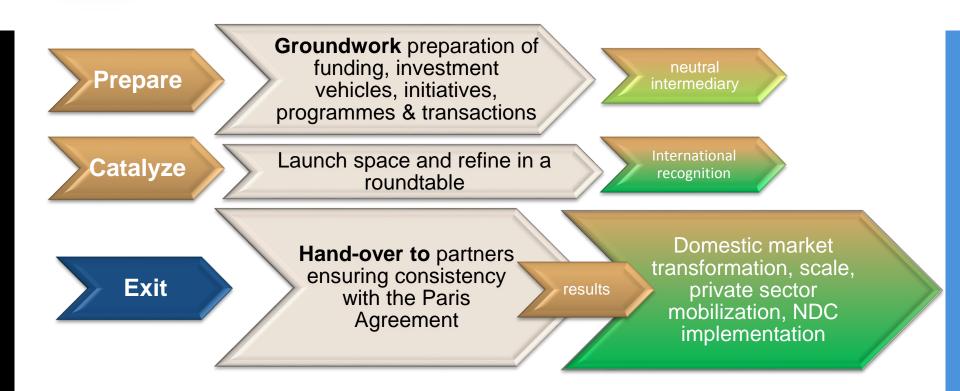
- Works with governments actively promote low carbon and climate resilient investments in their countries and disseminate information on their enabling investment environments to investors and other market players
- Works with financiers to find markets, identify co-financiers to form consortia, access project development funding to support investmentmature projects, provide access to risk mitigation instruments, help structure projects and financing along the Paris Agreement
- Works with project owners to provide increased visibility for their projects, making it easier to identify relevant financiers, advisors, service providers for specific needs and enable targeted and relevant engagements
- Works with financial institutions in particular bilateral funds, regional, multilateral development banks on mobilizing private capital, assisting on guarantees platforms, and supporting infrastructure investment

The Green Investment Catalyst is a key tool





# **GIC** theory of change



Pre-Paris finance meant the transfer resources from financial contributor(s) to recipient(s)

Post Paris finance means consistent achievement a common set of measurable results with the private sector



# **Objective**

- □ GIC focuses squarely on *implementation*, each GIC cycle is designed to catalyse several investment or finance vehicles e.g. debt (loans), equity (working capital), risk-sharing (guarantees, first-loss funds) or creditworthy intermediaries
- □ GIC connects the dots on finance for climate, by bringing together sources of finance with investment ready projects while ensuring implementation that supports alignment with a below 2-degree pathway
- GIC provides a *platform* for effective translation of policies, NDCs and national roadmaps into investment plans, producing integrated pipelines of bankable green and climate projects for long term capital market investment
- To:
- Ensure demonstration effect can others follow, and capital market take over
   Ensure additionality of finance would the investment have otherwise occurred
   Ensure reduction of GHG emissions and resilience does it contrit VERIFIED



# Approach

**GIC** is a three phase process executed with pre-selected partners:

#### Phase 1: Prepare

✓ Laying the groundwork through preparation of funding or investment vehicles finance, and/or programmes that are NDC aligned - with a dedicated expert in country for 6-12 months

#### Phase 2: Catalyse

 The neutral intermediary space where these programmes are refined, catalysed, and launched via a roundtable format or a similar event, supported by a large team

#### **Phase 3: Exit**

✓ The post-event continuity where the Phases 1 and 2 are followed-up and handed-over to result in tangible investments and projects on the ground that are consistent with the objectives of the Paris Agreement





Established a high level advisory council of permanent secretaries of state (environment, finance, energy)

Development of a green finance framework & guidelines

IDBZ Climate Finance Division & demonstration projects, issuance of a first domestic green bond

Address capital markets issues and open up to international markets

Established a green finance (loan and bond) framework for Zimbabwe with the aim to encourage sustainable financial products such as green sustainable bonds and loans. Green finance frameworks will act as an investment promotion instrument to implement the NDC





Empowered lives. Resilient nations.



AMBASSADE DE FRANCE AU ZIMBABWE ET AUMALAWI





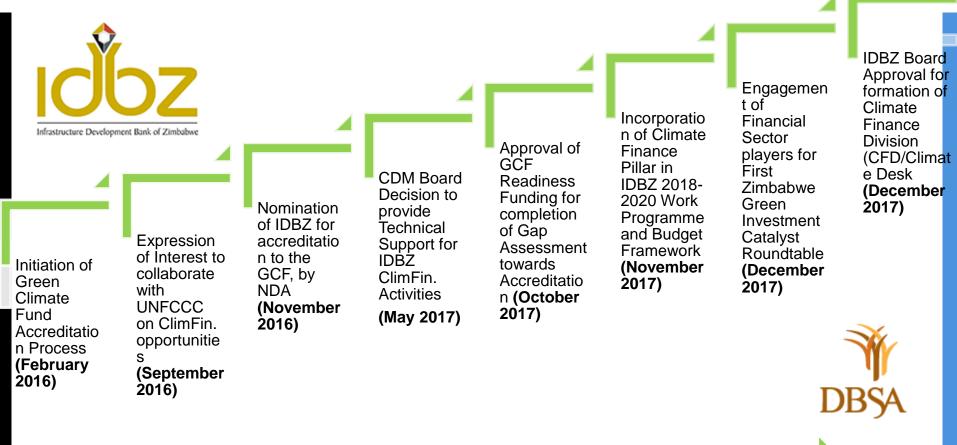






## **Results – Africa**





Ongoing technical assistance with partners



### **Results – Africa**

A Climate Finance Facility (CFF) at the Development Bank of Southern Africa

Catalytic role with blended finance approach	CFF will address market constraints, <b>playing a catalytic</b> <b>role with a blended finance approach</b> , to increase climate related investment in the southern African region.	
Subordinated debt/first loss + Tenor extension	CFF will focus on two main instruments: <b>subordinated debt</b> / first-loss and credit enhancements such as tenor extension	Development Bank of Southern Africa
Leveraging private investment	CFF is designed to <b>leverage private investment</b> with co- funders to reach an overall portfolio leverage ratio of <b>1:5</b> (project leverage ratios will vary within this range).	
Multiple co-funding sources	<b>CFF will raise co-funding from multiple sources</b> to be deployed in innovative structures and products, to support projects across southern African (SADC) countries	



FP-0090 @ B.20



## **Results – Asia**







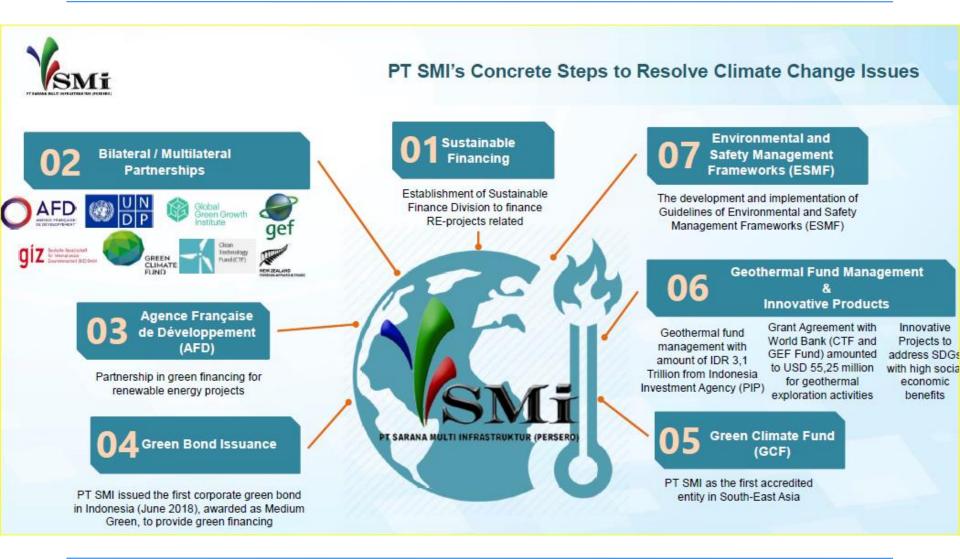
A launch with 200 private sector and public debt capital market representatives including targeted financial sector partners and government





Singapore, Cambodia, Laos, Myanmar and Thailand

## PT Sarana Multi Infrastruktur (Persero) - Indonesia





## **Results – Asia**

Sustainability Bond Facility for Micro Finance Institutions (SBFMFI) – A bond facility for financing on lending to micro finance institutions in the region

All terms are for il	lustration purposes only	Version June 2018
Terms and Cond	itions	Key Aspects
ssuer	SBFMFI, Sustainable Bond Facility for Micro-Finance Institutions in Cambodia, Laos, Myanmar, and Thailand	<ul> <li>Transaction is a million multi-tranche senior secured fixed rate notes supported by a guarantee attracting various investor profiles</li> <li>Transaction is a sustainability bond facility to be aligned with the Sustainability Bond Guidelines, potentially an external review</li> <li>Issued in Stock Exchange of Thailand (SET), the bond intends to attract local investors familiar with the CLMT markets</li> <li>International investors targeted through AA rating sustainability criteria monitored and supported 'on the ground' by MFIs with KPIs</li> </ul>
Project company:	SBFMFI, a joint venture company established in Thailand. The company serves as a vehicle for issuance and disbursement of funds to designated country fund manager	
Structure type:	Osustainability Bonds backed by loan guarantees providing a local AAA rating to provide low cost loan, funding for MFI on-lending to the poorest	
Underlying investments:	Underlying sustainable and green projects towards smallholder farmers and urban lenders, channeled through MFI's. Include: sustainable irrigation, fertilizers, crop seed, community solar lighting, sustainable, sustainability related insurance products.	
Borrowers:	<ul> <li>Microfinance Institutions in Thailand, Cambodia, Myanmar and Laos with an established track record</li> </ul>	<ul> <li>Credit worthiness of MFI's, track record, governance issuance and funds disbursement to be handled by local partner due diligence</li> </ul>
Tenor, issuance indicative size and coupon (example only):	Class     Amount (in     Repayment     Tenor / WAL     Rating     Coupon p.a.       Amount     USD million)     Type     (in years)     (%)       AAA     50     Amount     5     AAA     3       B1a     25     Amount     5     BBB     4       B1b     25     Bullet     5     BB     5	<ul> <li>Technical assistance for meeting sustainability criteria and for project implementation to be provided by donor funds or programme developers</li> <li>Potential for development of a standardized baseline emission factor for methane emission from rice in CLMT countries</li> <li>Potential for carbon finance to cover incremental costs for monitoring and reporting</li> </ul>
ssue Price	◎ 100.0%	
nterest Payments	<ul> <li>Quarterly</li> </ul>	Underling projects identified     Smart irrigation for smallholder farmer rice fields as well as other crops – reduction of flood irrigation in the region     GHG emission avoidance by reduced anaerobic decomposition of organic matter in rice cropping soils     Project implementation with smallholder farmers to be done through MFI's distribution within the community     Funding support channeled through MFI's from SBFMFI and technical
isting	Thailand (SET) market	
Potential partners:	Credit Guarantee and Investment Facility or GuarantCo (Credit enhancement)     Twin Pine (Consulting partner on arrangement)     Netafim/Mexicehm (Technology provider)     UNCDF (fund manager)     Vigeo Eiris (External reviewer)	
Business case		support for implementation provided by the project developer and donor support.
Expansion funds a	need to expand the demand for MF with lots of sustainable scalable projects available re limited and consisting of increasing deposits and external funds from dedicated bilateral- tfund, and DFis such as FMO etc.	<ul> <li>Others include: crop protection insurance with a local insurance companies supported by international re-insurance firms</li> <li>Solar rooftops and lighting as well as energy efficiency initiatives</li> </ul>
Ourrency risks, cou	e short term - few months while sustainable projects tenors are several years intry specific regulatory requirements such as local currency lending, interest rate caps ad ns, provide a challenging financing environment for MFIs	Next steps
<ul> <li>Microfinance institu sustainable agricul</li> <li>MFIs that work tow</li> </ul>	utions that target rural households are particularly relevant and significant for smart and ture practice in the region ards the development of crop insurance will be included, to address resilience & adaption e schemes for energy efficiency and households will also be financed through the facility	<ul> <li>Gathering firm commitments by MFI's, establishing demand for facility</li> <li>Lining up clear underlying projects with technical support elements where required</li> <li>SPV Structure formation and regulatory discussions in countries where</li> </ul>



#### Cambodia, Laos, Myanmar and Thailand

## **Results – Asia**

Syndicated Regional Green Lending Facility (SRGLF) – A loan facility to provide mid-scale syndicated concessional loans to domestic banks in the s.e. Asian region

All terms are for il							or SMEs i	Version June 2018
Terms and Con								Key Aspects
Terms and Con	unio							
Facility	0	and Thailar	nd at phase I, o	en Lending Fa expanding to A	SEAN at Pha	ase II	A medium size project (USD 5-15m) loan syndication facility to provide a main based risk sharing approach	
Purpose:	0			cle for syndicat entified local F		irsement of fu	<ul> <li>Full range offering: Longer term loans, revolving facility, project finance, senior trenches and equity</li> <li>SRGLF partners are local banks with strong corporate/project lending and eq investment capabilities</li> <li>Facility channels scalable areen funds to identified projects utilizing external (</li> </ul>	
Structure:	0			lowing banks, ruments and e		o-invest into l		
Features:	0			dit notes for m oncessional ter			risking support mechanisms      Onvestment is made alongside local banks identifying and executing transaction	
Partners	0	Road show terms of en	with partner's gagement to b	local banks a be established	nd Fl's in ead	h in each cou	ntry conducted,	<ul> <li>Technical assistance will be provided by facility partners and donor funds for meeting green criteria and for project implementation.</li> <li>External reviewers to rate the green/climate impact in accordance with</li> </ul>
	0			e: ANZ Bank,				<ul> <li>international standards and include continuous monitoring</li> </ul>
Green Loans		Project	Amount (in USD million)	Repayment Type	Tenor (in years)	Loan guaranteed	Coupon p.a. (%)	The margin and terms of the loan or green credit notes are to be tied to the rating of the impact, providing concessionary terms.
tenors, indicative		Α	15	Amort	5-7	Yes	3	<ul> <li>Dialog with policy makers for enabling green regulatory market conditions is required</li> </ul>
size and coupon (for illustrative		В	10	Amort	5	yes	4	Ill loans to be compliant with the Asia Pacific Loan Market Association & LN
purposes only):		С	5	Amort	5	Yes	5	Green Loan Principals (GLP)
		D	15 5	Debt Equity	5 N/A	Yes N/A	3 N/A	<ul> <li>Potential for carbon finance to cover incremental costs for monitoring and reporting</li> </ul>
Issue Price	0	100.0%	5	Equity	DVA	IN/A	DVA.	Underlying projects identified
Interest Payments	Ō	Quarterly, t	ied to impact p	performance				
Equity stakes	0				ndicated deal	s when capita	lization is required	<ul> <li>O Large scale modern irrigation systems working with municipalities. 5-7-year tenor project USD15m loan</li> </ul>
Business case								<ul> <li>Rural durable steel sustainable housing project with energy efficiency eleme \$10m scalable project involving a 5 years lending facility</li> </ul>
Despite of glob	al fun	ds shift towar	ds ESG, chall	enge remains t	to channel the	ese funds into	economies with le	<ul> <li>Electric bikes manufacturer/ distributer, wishing to finance its retail/corporate customers via term green loans</li> </ul>
advanced finar								Sustainable rice mill expansion and re-financing. \$5m equity and \$15m loan structure
							ed projects is lack due to a deposit-	<ul> <li>Solar roomops and lighting / energy eniciency initiatives</li> </ul>
lending misma					iunus (+ affū i	above years)	due to a deposit-	Energy efficiency projects pending new regulatory standards
<ul> <li>Challenging fin investment gra</li> </ul>	ancing de cre	g environmen dit rating or n	t: under develoone, and cour	oped local cap htry specific reg	gulatory requi	rements such	, lower than as local currency	Next steps
<ul> <li>Iending, interes</li> <li>Mid-size (\$5-1)</li> <li>offshore finance</li> </ul>	5m) pr	ojects face th	e greatest fina	ancing challeng	ge as mid-size	e transaction of	do not allow for te aligned financing	<ul> <li>Further focusing of facility is required based on investors' appetite.</li> <li>Local banks partnering and underlying transaction identified.</li> </ul>
is even more o	f a cha	allenge in the	se countries				-	<ul> <li>Facility structuring - cost effective syndication and legal structure</li> </ul>
- A ognarourion i				suuciure) cov	ers some inn	erent risks by	uversilication	<ul> <li>Currency (non-domestic), political and credit risk cover</li> <li>Green monitoring and implementation incremental cost support</li> </ul>
(project sector	<ul> <li>(project, sector, transaction type and country)</li> <li>Blended finance elements will provide further risk support as well as credit enhancement</li> </ul>							



#### Cambodia, Laos, Myanmar and Thailand

## Intelligent networking within finance districts

#### Sustainable Finance Bangkok

BANGKOK FINANCE DISTRICT

AFTER WORK COCKTAIL RECEPTION

CLIMATE-CONSISTENT INVESTING

10 MAY, 2018



# Sustainable Finance Bangkok

The inaugural Sustainable Finance Bangkok event will explore {insert text}

May 10 6 pm Venue



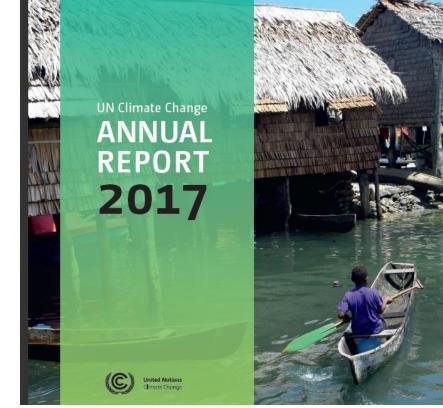


Regional Collaboration Centre – Bangkok Promoting Action Against Climate Change



Raising awareness, identifying partners, catalyzing opportunities

# Thank you







**United Nations** Climate Change Secretariat