

Sustainable Finance: Bridging the Gap in Asia and the Pacific

The Eighth CAREC Think Tank Development Forum



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Overview

- Introduction
- What can policymakers do?
- What can regulators do?
- What can private finance do?
- Ten principles for action to bridge the sustainable finance gap in Asia and the Pacific



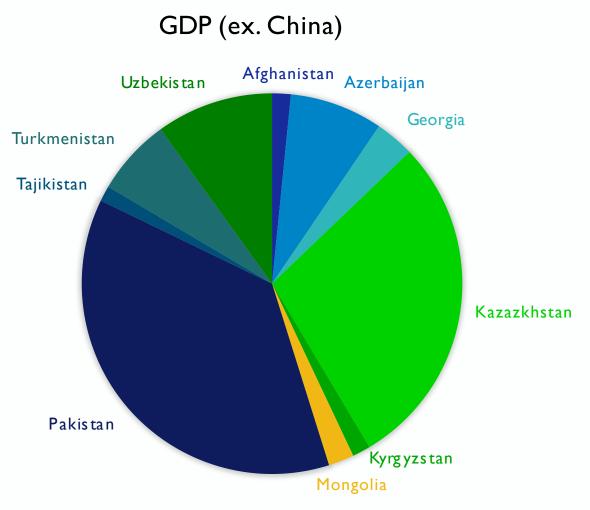


CAREC Economic Outlook

Country	GDP (USD Billions, 2023)	GDP per capita (USD, 2023)	GDP growth (2023)
The Islamic Republic of Afghanistan (2022)	14.5	352.6	-6.2%
The Republic of Azerbaijan	72.36	7,155.1	1.1%
The People's Republic of China	17,794.78	12,614.1	3.0%
Georgia	30.54	8,120.4	7.5%
The Republic of Kazakhstan	261.42	13,136.6	5.1%
The Kyrgyz Republic	13.99	1,969.9	6.2%
Mongolia	19.87	5,764.8	7.0%
The Islamic Republic of Pakistan	338.37	I,407.0	0.0%
The Republic of Tajikistan	12.06	1,189.0	8.3%
Turkmenistan	59.89	9,190.7	6.3%
The Republic of Uzbekistan	90.89	2,496.1	6.0%



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The Republic of Tajikistan	12.06
Turkmenistan	59.89
The Republic of Uzbekistan	90.89

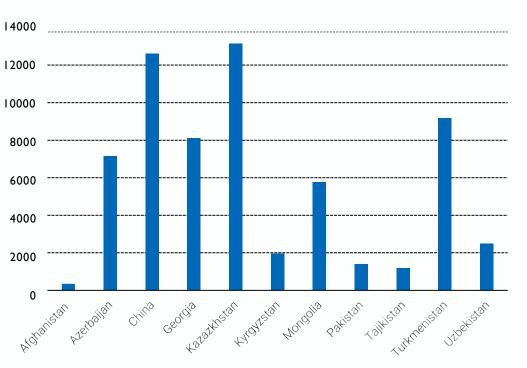




Source: World Bank, accessed 26/07/2024



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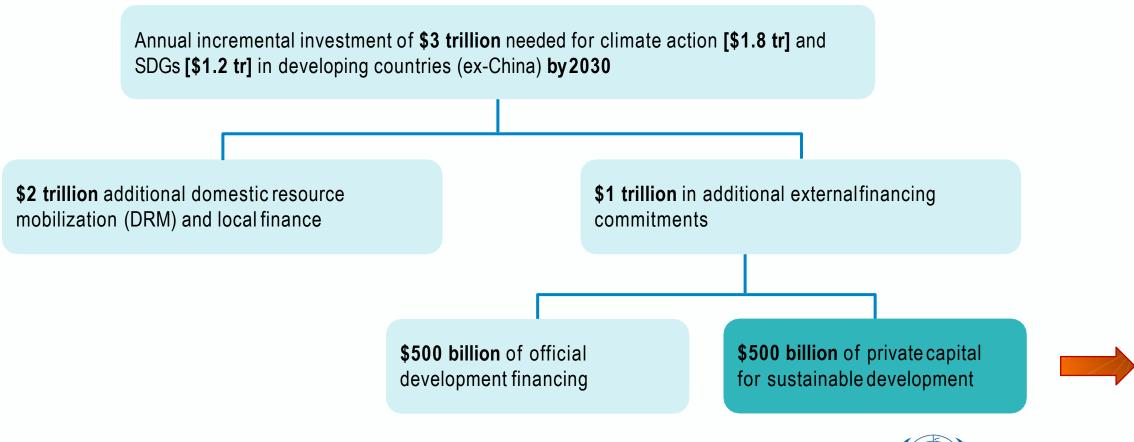




Source: World Bank, accessed 26/07/2024

Mind the (financing) gap: substantial and rising estimates of financing requirements to meet countries' climate ambitions

Report of the G20 Independent Expert Group (September 2023)





Source: ESCAP based on G20 Independent Expert Group Report, September 2023

Infrastructure Investment Needs – ADB Estimates

Regional Infrastructure Investment Needs CAREC, Beyond 2020

Sector	Sub-sector	Investment Need (USD billions)
	(total)	37.5
	Rail	24.6
	Road	10.2
Transport	Air	1.4
	Maritime	1.1
	Logistics	0.2
Trade facilitation		1.3
Energy		40.9
ICT		-
Other Sectors		-
Total		79.7

National Infrastructure Investment Needs Central Asia & People's Republic of China, 2016 - 2030

Estimate	Scenario	Region	Investment Need (USD billions)	Annual Average (USD billions)	As % of GDP
Baseline		Central Asia	492	33	6.8%
		PRC	13,120	875	5.0%
L	Low	Centra Asia	526	35	7.9%
Climate-	Growth	PRC	14,097	940	5.9%
Adjusted	High	Central Asia	605	40	7.6%
		Growth	PRC	16,504	1,100

• National infrastructure investment needs calculated as a function of: existing physical infrastructure stock, GDP per capita, shares of agriculture and industrial value-added of GDP, urbanization rate, and population density. Uses 2015 prices

Central Asia: [Armenia], Azerbaijan, Georgia, Kazakhstan, Kyrgyz Republic, Tajikistan, Turkmenistan and Uzbekistan
(Excludes Afghanistan, Georgia, Pakistan)

 Climate-adjusted estimate accounts for additional climate change mitigation (2 degrees) and adaptation infrastructure needs ("climate-proofing" the covered sectors and investing in irrigation, food securityetc.)

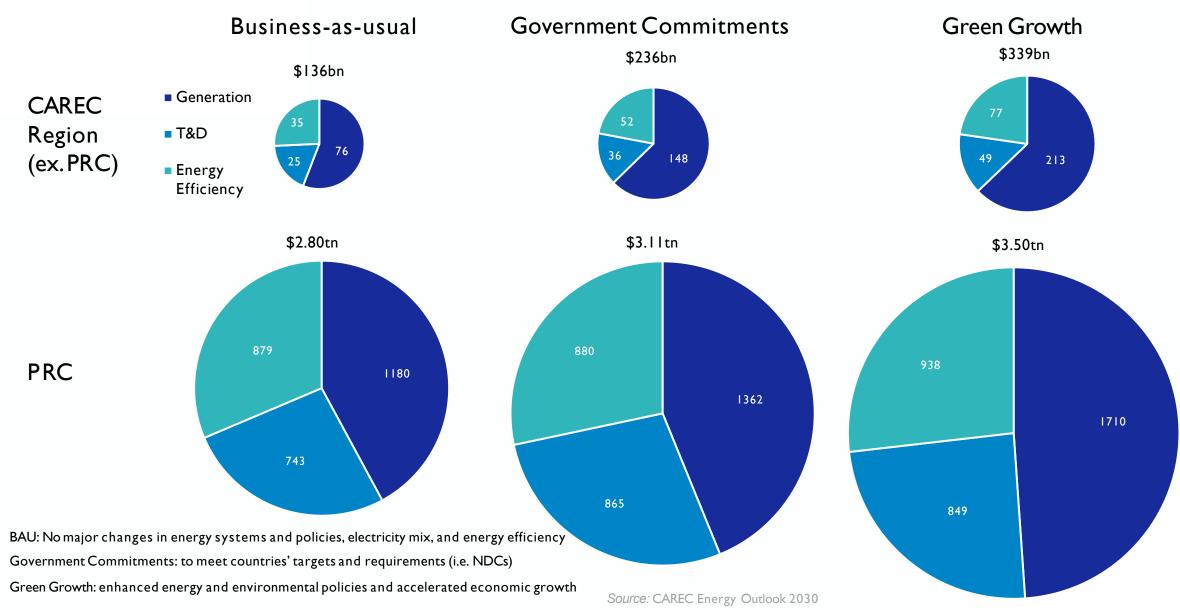
	Low growth rate	High growth rate
PRC	4.6%	6.6%
Central Asia	2.1%	4.1%



CAREC infrastructure investment needs based on ADB - Operational Plan for Regional Cooperation and Integration

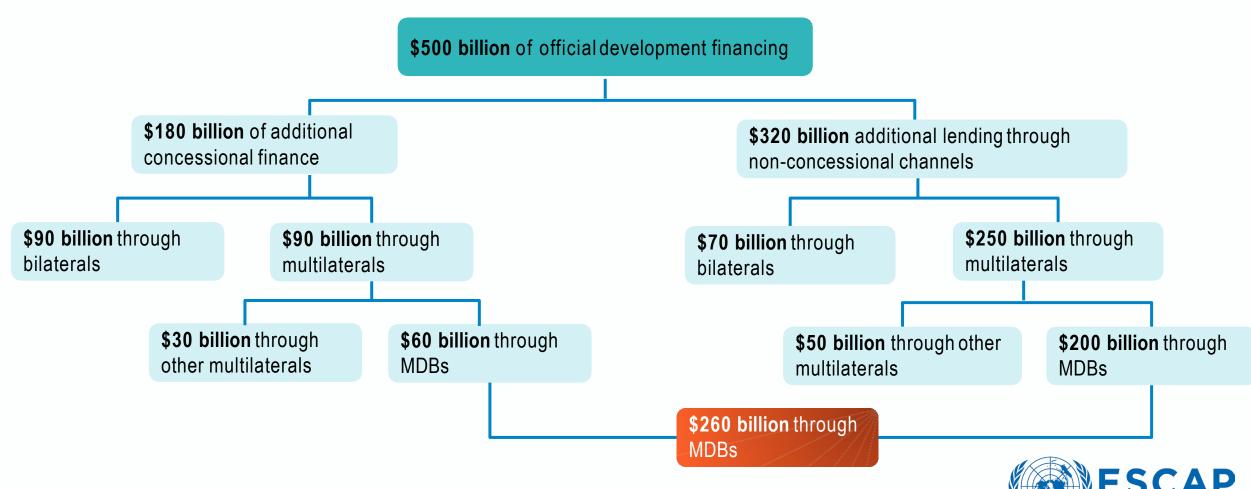
Source: ADB - Meeting Asia's Infrastructure Needs (2017)

CAREC Energy Infrastructure Investment Needs (USD Billions, 2016-2030)



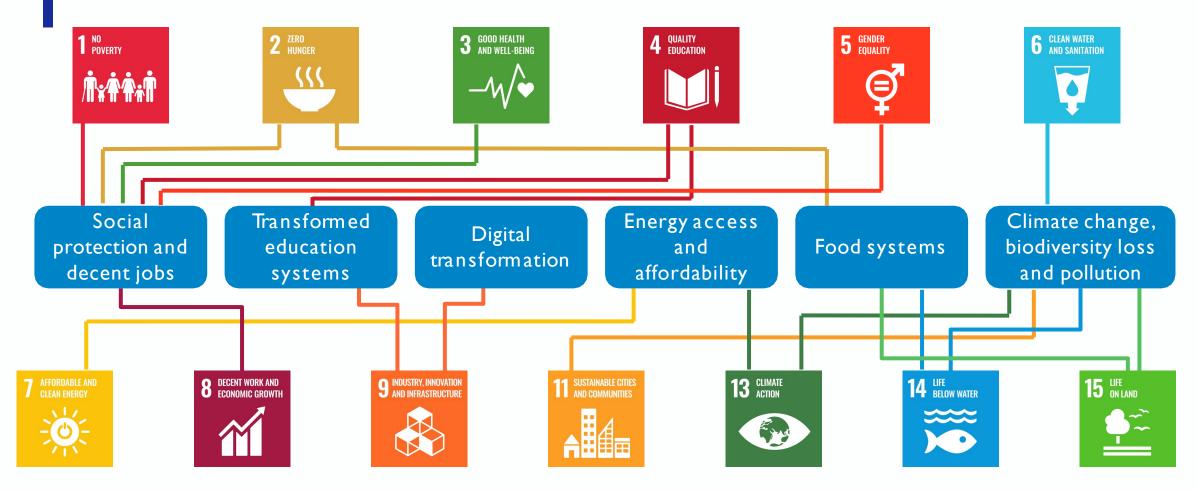
Government, bilateral donors, multilateral and financial institutions must work together to help close the current gap

Report of the G20 Independent Expert Group (July 2023)



or Asia and the Pacifi

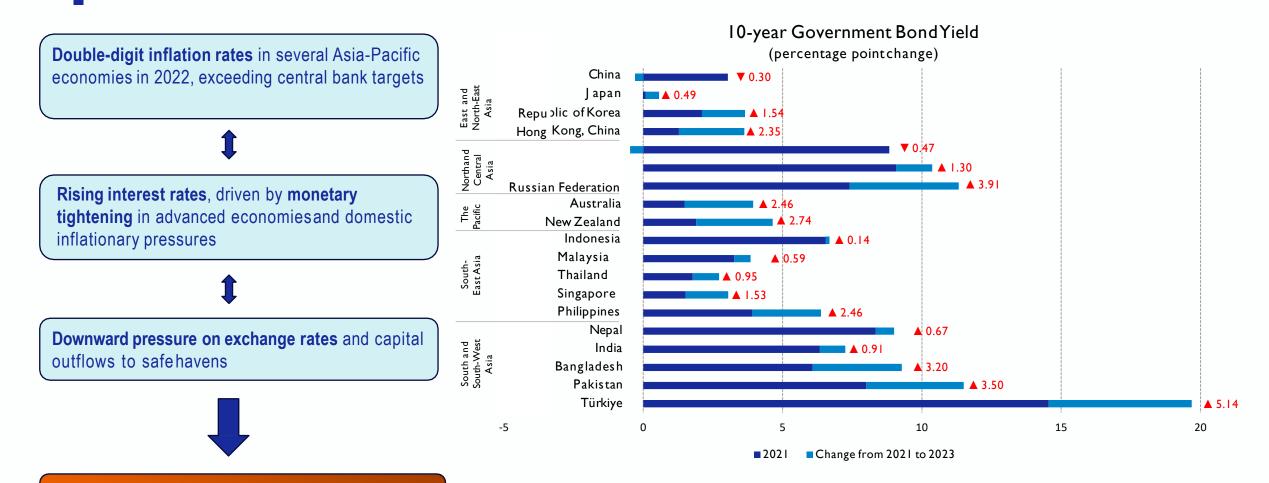
UN has identified six transformative pathways to accelerate progress towards SDGs



Source: UNCTAD, UNDESA and UNDP (2023). The cost of achieving the SDGs. Available at https://unctad.org/sdg-costing/about#



Challenging macroeconomic environment due to rising inflation and interest rates, which contributes to higher cost of capital for sustainable and climate investments

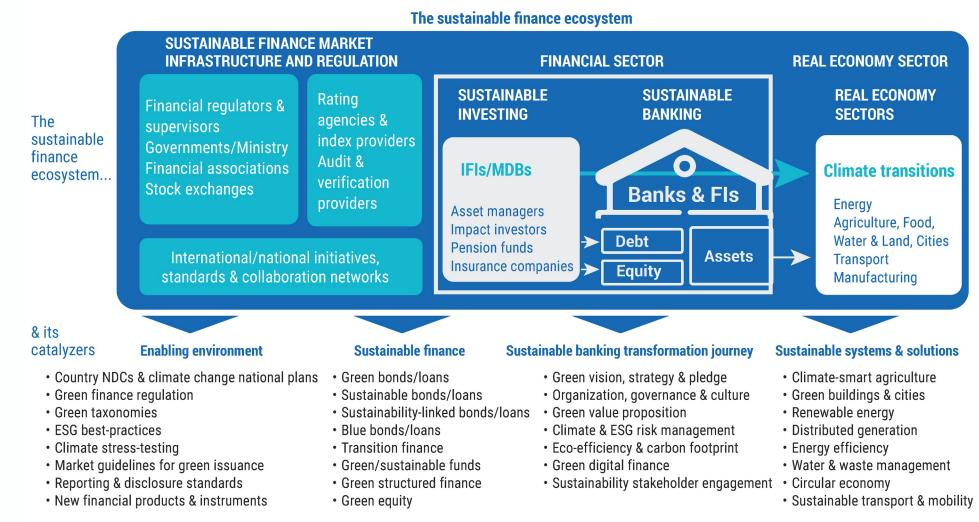


Higher risk premia and borrowing costs



Source: ESCAP, based on CEIC Data (accessed 22 July, 2024)

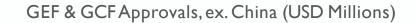
The Sustainable Finance Ecosystem

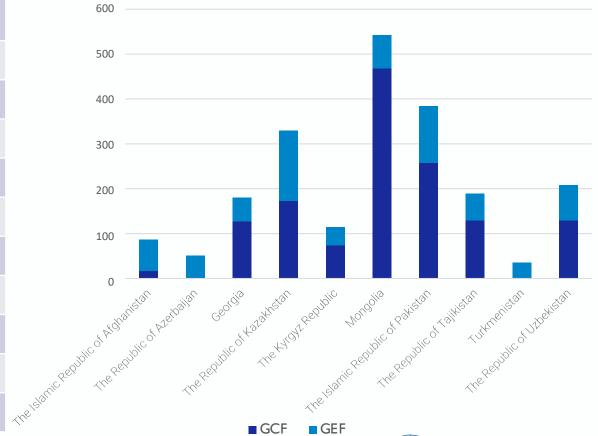




GEF & GCF Funding Approvals

Country	GEF Grant Values (USD Millions)	GCF Financing Values (USD Millions)
The Islamic Republic of Afghanistan	69.2	17.2
The Republic of Azerbaijan	50.8	0
The People's Republic of China	1,518.5	100
Georgia	52.6	127.8
The Republic of Kazakhstan	156.9	173.0
The Kyrgyz Republic	40.6	73.8
Mongolia	74.2	468.4
The Islamic Republic of Pakistan	127.0	257.7
The Republic of Tajikistan	59.2	130.0
Turkmenistan	35.2	0
The Republic of Uzbekistan	78.1	130.2





Valuesare cumulative, to-date

GCF values exclude regional project financing, includes national projects only

GEF values include regional project grants (divides total project value equally between recipient countries)GCF Country Database

Source: GEF Project Database;



Net FDI and ODA Receipts

Country	FDI Net Inflows (USD Billions)	FDI Net Inflows (% of GDP)	Net ODA Receipts (USD Millions)
The Islamic Republic of Afghanistan	-	-	3,914.97
The Republic of Azerbaijan	-4.47	-5.7%	48.5
The People's Republic of China	180.0	1.0%	-280.48
Georgia	2.13	8.5%	376.80
The Republic of Kazakhstan	4.93	2.2%	74.99
The Kyrgyz Republic	0.0548	0.5%	735.21
Mongolia	2.5	14.6%	285.57
The Islamic Republic of Pakistan	1.42	0.4%	1,733.46
The Republic of Tajikistan	0.174	1.6%	594.65
Turkmenistan	0.936	1.7%	16.33
The Republic of Uzbekistan	2.5	3.1%	1,584.61



Figures from 2022 Net ODA receipts are only those from OECD official donors

Source: World Bank; OECD

What can governments do?

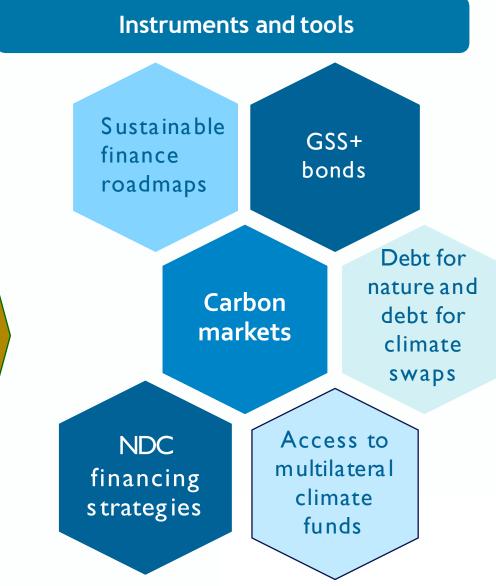


Role of governments to signal credible intentions and present national climate action priorities to markets



Need for coherence between policy commitments and regulatory frameworks

- Limited availability of country NDC financing needs and ambitious NDC financing plans
- Rapidly changing sustainable finance landscape
- Lack of harmonization to access different climate finance sources
- Sovereign Credit Ratings and Lack of Local Currency Options
- Lack of bankable green project pipelines
- Limited technical capacities across project cycle
- LDCs and SIDS specific challenges and vulnerabilities to attract private finance and access multilateral climate finance



Sustainable Finance Roadmaps – Georgia

2017 : National Bank of Georgia (NBG) joined SBFN	2018: Integrated ESG considerations in Corporate	2019 : Sustainable Finance Roadmap	2020: ESG reporting and disclosure principles with a			Pillar 1: ESG Integration	Pillar 2: Climate Risk Management	Pillar 3: Financing Sustainability			
Joined SBEIN	Governance Code for commercial	launched by NBG	corresponding template	corresponding	National Framework Coverage						
	banks				Alignment with International Goals & Standards						
					Alignment with National Goals & Strategies						
Update to ESG	2021 : Commercial	Integrated ESG	2022 : Sustainable		Overall Approach & Strategy						
section of Corporate Governance	Banks start reporting under ESG reporting	considerations in Corporate Governance	ons in Finance te Taxonomy for	Finance Taxonomy for	Finance Taxonomy for	Finance Taxonomy for	Finance	Technical Guidance			
Code		published by	published by Industry Association	Supervisory Activities & Incentives							
		Securities			Tracking & Aggregated Disclosure						
					Strategy & Governance						
Climate change risk assessment	EST risk management	2023: ESG scorecard for commercial		Sub-pillar 3: Expectations of	Organizational Structure & Capacity Building						
started in the banking sectorby NBG	started in the guidelines banks developed Financial Started by BBG	Financial Institution (FI) Actions	Policies & Procedures								
					Tracking, Reporting & Disclosure						
				Completed	In progress Not yet begun						

Source: SFBN Toolkit – Developing Sustainable Finance Roadmaps

Sustainable Finance Roadmaps – Mongolia

2013 : Mongolian Sustainable Finance Initiative	2015 : Mongolian Sustainable Finance	First version of Na Finance Roadmap	17: ational Sustainable was endorsed, and ionsincluded in the			Pillar 1: ESG Integration	Pillar 2: Climate Risk Management	Pillar 3: Financing Sustainability								
(MSFI) launched, sustainable	ASFI) launched, sustainablePrinciples and Sector Guidelines2025 Financial MarketDevelopment Programme approved by the Parliament	ketDevelopment		National Framework Coverage												
finance WG formed, and Mongolia joins	banks		Sub-pillar 1: Strategic Alignment			Alignment with International Goals & Standards										
SBFN				Alignment with National Goals & Strategies												
2018 : Mongolian	2019 : Mongolia Green	2020: The Mongolia	2021: Green bond		Overall Approach & Strategy											
Sustainable Finance	Taxonomy approved by the	Green Finance Corporation was	issuance guidance	issuance Sub-pillar 2:	Technical Guidance											
Association (MSFA) was established, to	Financial Stability Council; Bank ofMongolia	registered as a public-private partnership-	registration rule	new Bond registration rule	new Bond registration rule	new Bond registration rule	new Bond registration rule	new Bond registration rule	new Bond registration rule	lic-private new Bond rtnership- registration rule	public-private new Bond Indust partnership- registration rule	Industry Association Actions	Supervisory Activities & Incentives			
expand MSFI into nonbanking	starts greenloan statistics	based national green Fl	issued by the Financial Regulatory	Letter and the second	Tracking & Aggregated Disclosure											
			Commission (FRC)		Strategy & Governance											
	2022			Sub-pillar 3: Expectations of	Organizational Structure & Capacity Building											
National Sustainable Finance	2022: ESG reporting guidelines for	ESRM guideline for MFIs endorsed by the		Financial Institution (FI) Actions	Policies & Procedures											
Roadmap approved bythe Financial	listed companies issued by FRC and Mongolia	Financial Regulatory Commission			Tracking, Reporting & Disclosure											
Stability Council	Stock Exchange (MSE)	(FRC)		Completed	In progress Not yet begun											

National Carbon Credit and Compliance Mechanisms

Country	National Carbon Tax	National ETS	National carbon-crediting mechanism
The Islamic Republic of Afghanistan			
The Republic of Azerbaijan			
The People's Republic of China		China National ETS (2021)	China GHG Voluntary Emission Reduction Program (2014)
Georgia			
The Republic of Kazakhstan		Kazakhstan ETS (2013)	Kazakhstan Crediting Mechanism (2013)
The Kyrgyz Republic			
Mongolia			
The Islamic Republic of Pakistan		Pakistan ETS	
The Republic of Tajikistan			
Turkmenistan			
The Republic of Uzbekistan			

Implemented

Under Consideration

ETS - Share of jurisdiction's emissions coveredChina NationalETS31.9%Kazakhstan ETS47.0%

China also has regional emissions trading schemes One credit permits the emission of one metric ton of CO_2e

Cumulative Carbon Credits Issued

China 77 million Kazakhstan I.I million *Source:* World Bank (preliminary



International Carbon Credit Markets

Country	Clean Development Mechanism	Gold Standard	Verified Carbon Standard
The Islamic Republic of Afghanistan			
The Republic of Azerbaijan	0.1		
The People's Republic of China	1,195.6	29.4	180.7
Georgia	1.5		0.4
The Republic of Kazakhstan			0.1
The Kyrgyz Republic			
Mongolia	1.6	1.4	0.6
The Islamic Republic of Pakistan	16.5	0.2	4.4
The Republic of Tajikistan			0.3
Turkmenistan			0.2
The Republic of Uzbekistan	17.9		

Issuance

Carbon credit issuance in millions; cumulative to-date One credit permits the emission of one metric ton of CO_2e

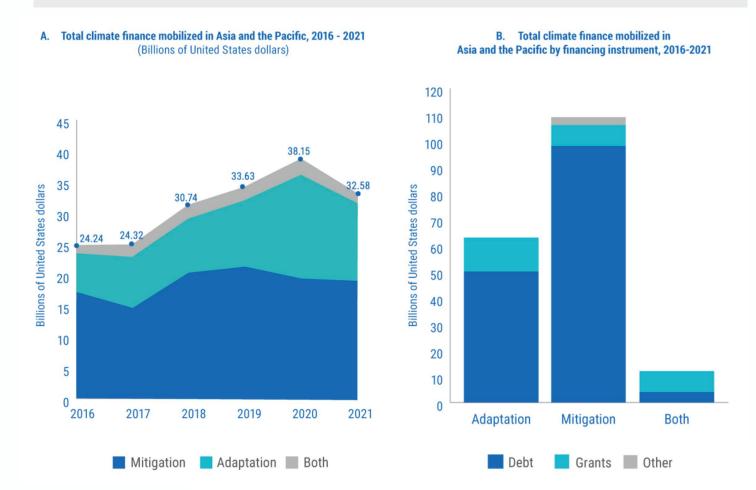
Source: World Bank (preliminary



Asia and the Pacific received \$183.7 billion in climate finance between 2016 and 2021 from bilateral sources, MDBs and multilateral climate funds

- Adaptation finance in Asia and the Pacific doubled between 2016 and 2021, but remains small compared to mitigation (>70%)
- Over half of climate-related finance remains concentrated in the transport, storage, and energy sectors
- Much of the financing has been debt creating, which is a concern when countries are already experiencing increased indebtedness
- Multilateral climate funds are a critical source and channel for developing countries – although insufficient to close the current financing gap

Climate-related development finance committed by developed countries to Asia-Pacific through various channels in 2021 (USD millions)

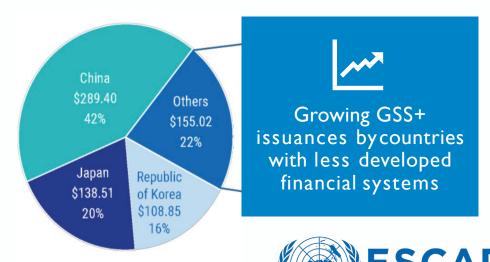


GSS+ bonds market in Asia-Pacific reached \$206 billion, showing both growth and diversification, as well as resilience against macroeconomic challenges

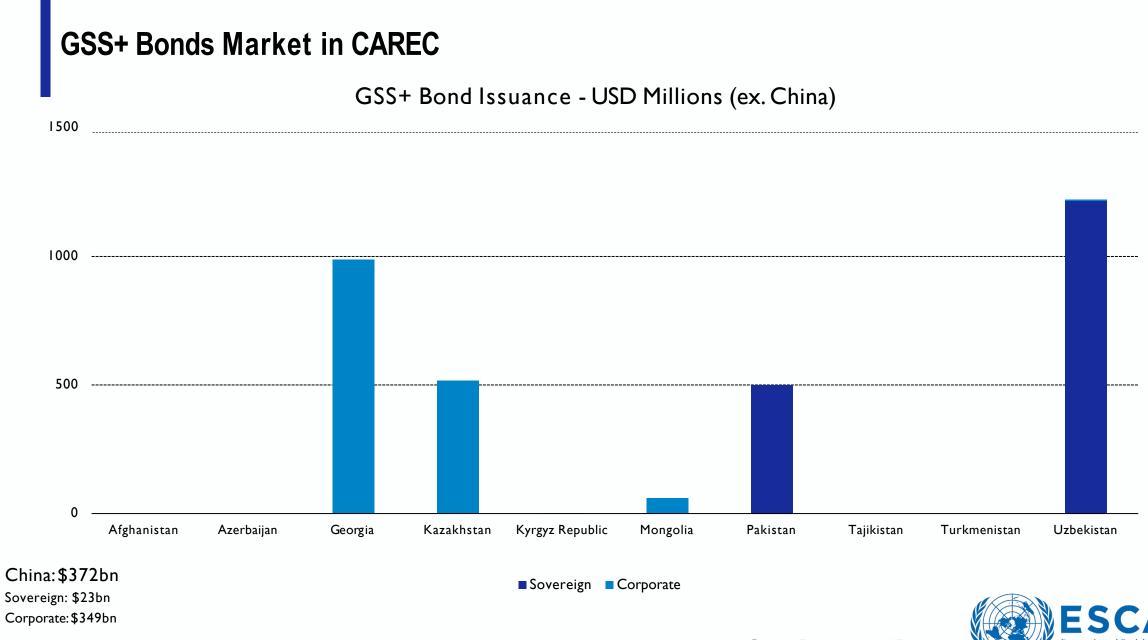
- Green bonds hold the largest share of total GSS+ bond issuances
- 22 countries have issued GSS+ bonds by end of 2022



- Promising growth of sustainability-linked and transition bonds in 2022
- Higher local-currency issuance of GSS+ bonds, signalling uptake of GSS+ bonds by local investors
- Growing number of sovereign issuances, although corporates dominate the market



Source: ESCAP



All issuances cumulative, up-to-date as of 24 July 2024

for Asia and the Pacifi

What can governments do?



Develop **effective and coherent NDC financing strategies** with interim 2030 and 2040 targets, and clear resource mobilization plans



Support the **development of a pipeline of bankable projects** that fit the volumes, scales, and risk-return profiles of MCFs, MDBs, DFIs, and private investors



Support the **financial sector and the private sector to proactively plan for the net zero transition**, with focus on opportunities for local currency financing



Adopt a **conducive taxation regime** and public financial reforms towards the net-zero-transition, and further align policy coherence.

Advocate for MDBs and bilateral development financial institutions to **increase local currency** lending

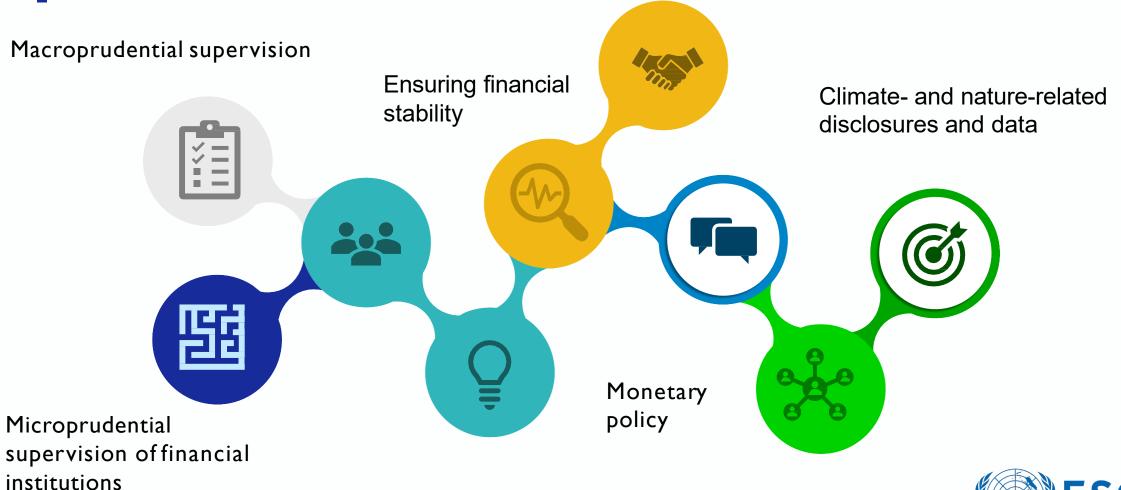


Consider building **climate finance partnerships**, similar to the JETP model.

What can regulators do?



Regulators have a critical role to manage climate-related financial risks and shift capital towards the green transition





Climate-related disclosures are gaining momentum



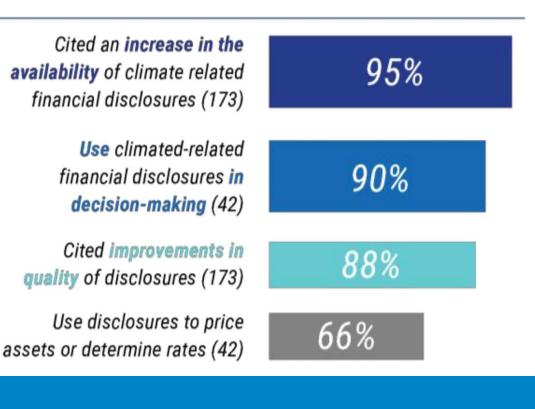


ASIA-PACIFIC RANKS SECOND GLOBALLY FOR CLIMATE-RELATED FINANCIAL DISCLOSURES **1,956** ORGANIZATIONS IN ASIA-PACIFIC ARE MEMBERS OF TCFD (40% OF THE TOTAL)



.. while nature-related disclosures have yet to become mainstream Implementation of the TCFD recommendations and use of climaterelated disclosures

Top survey findings for users and other respondents



Source: FSB (2022)

Direct Corporate GHG Emission Disclosures to CDP

Country	No. of Disclosing Companies
The Islamic Republic of Afghanistan	3
The Republic of Azerbaijan	18
The People's Republic of China	1,714
Georgia	18
The Republic of Kazakhstan	72
The Kyrgyz Republic	8
Mongolia	12
The Islamic Republic of Pakistan	64
The Republic of Tajikistan	6
Turkmenistan	4
The Republic of Uzbekistan	17

Limited

CDP (formerly the Carbon Disclosure System) is an international non-profit that runs the global disclosure system for investors, companies, cities, states and regions to manage their environmental impacts. It is aligned with the TCFD recommendations.

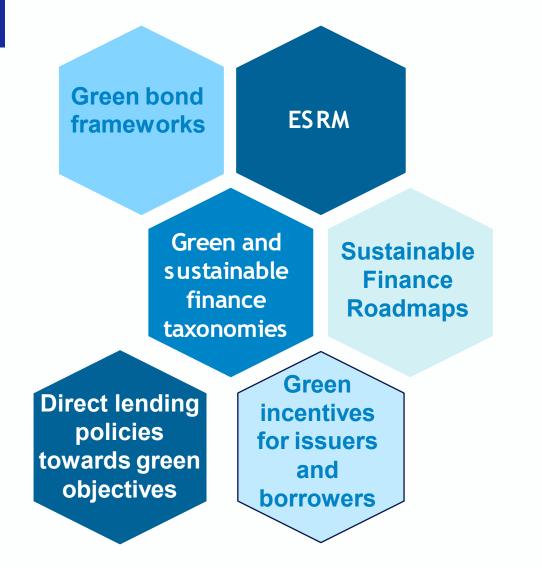
Coverage Rate (as classified by CDP)

Moderate Low

Disclosures data last updated 2022



How are regulators supporting government priorities and shifting capital to low carbon investments?



The International Sustainability Standards Board global baseline disclosure standards, released in June 2023, will take a further step towards taxonomy unification and allow for comparability and interoperability between taxonomies across the region.



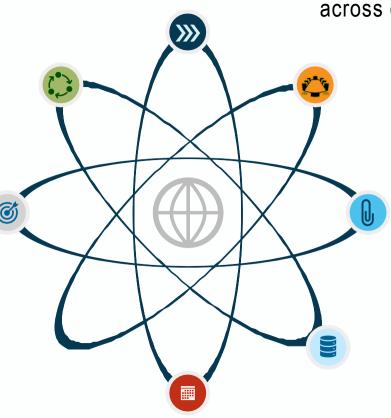


What can regulators do? - Recommendations

6. Consider making regulations on green finance mandatory

5. Consider joining peerlearning based international alliances (NGFS)

> 4. Strengthen monitoring, reporting, and verification capacity in markets



1. Facilitate the **interoperability of taxonomies** across countries to reduce compliance costs

2. Ensure the alignment of roadmaps, taxonomies, and sustainable finance frameworks put forth by regulators with policymakers' commitments, especially the NDCs

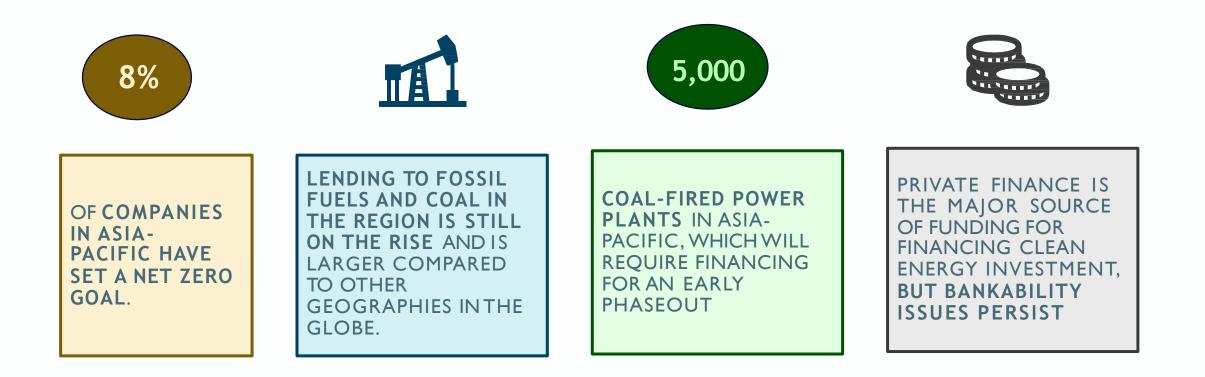
3. Ensure a fair and predictable enforcement of current green finance requirements, including ESRM



What can private finance do?



Asian banks and companies are still considerably slow to make their net zero commitments

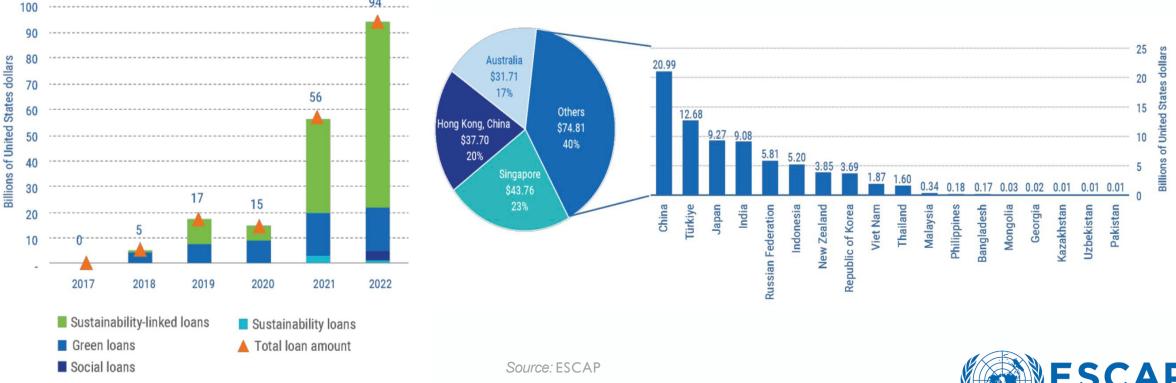


Bank of East Asia Limited – China Habib Bank – Pakistan



In Asia and the Pacific, banks are still at the frontline in the transition to net zero

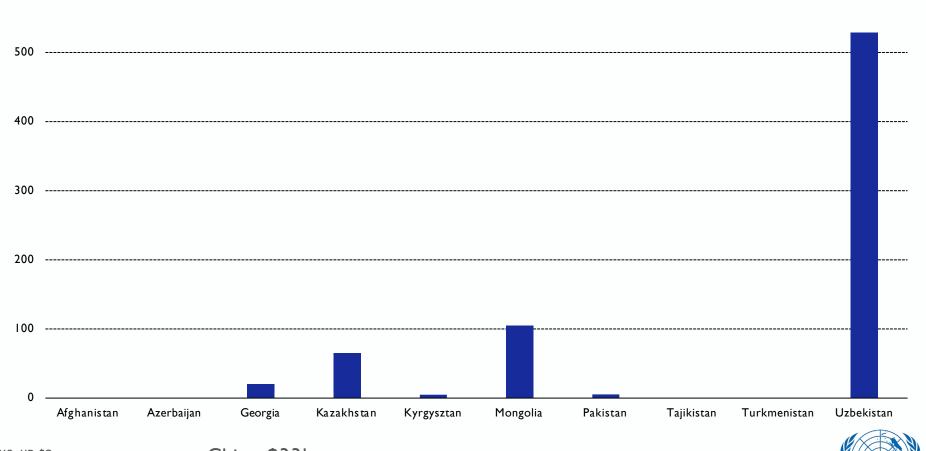
Asia-Pacific is predominantly a loan market, with total asset size of the top 50 largest banks in Asia alone over \$56.5 trillion as of April 2023 Sustainability-linked lending is growing, which allows for more flexibility and "unrestricted" funding, if structured and verified well.



ESCAP Economic and Social Commissio for Asia and the Pacific

Sustainability-Linked Lending – CAREC Region

Sustainability-Linked Loans (USD Millions)





All loans cumulative, up-todate as of 24 July 2024

600

China: \$33bn

Asia's growing energy demand requires significant private finance for the climate and just energy transition, but challenges abound

Inadequate project preparation support to ensure that projects meet the risk-return-mandate requirements of different investors Lack of mandatory regulation to shift banks towards concrete commitments, despite national commitments to the Paris Agreement

Small-ticket projects are increasingly overlooked in the urgent search for scale, but they also need to be nurtured.

> Lack of local currency financing

Limited availability of bankable projects



MDBs and DFIs play a powerful role to mobilize concessional and catalytic investments to leverage private investors





Act as anchor investor to

de-risk pioneering projects and increase their bankability to investors Encourage and support policy change and mobilize additional private finance alongside own investments



Support private credit institutions by investing equity to help financial institutions expand their lending

Need to increase MDB and DFI concessionality and expand risk-taking

Role of MDB Capital Adequacy Frameworks reforms to increase lending capacity, while preserving long-term financial sustainability



What can private finance do? Recommendations

5. Encourage real economy borrowers and clients to implement the net zero transition

4. Project developers and financial institutions must meet regularly to co-create investment projects and provide clarity on suitable sources and terms of financing



1. Establish progressively ambitious net zero pledges and set out interim transition plans to reach net zero

2. Engage in partnerships with policymakers and regulations, not just transactions

3. Invest **in building the capacity** of staff and systems



Ten Principles For Action To Bridge The Sustainable Finance Gap In Asia And The Pacific (I)

Governments and Regulators



New climate finance partnerships between governments, regulators, MDBs and private finance will guide action



Effective NDC financing strategies are developed, led by authorities with clear mandates, which signal credible transition pathways with interim targets and clear resource mobilization plans



Policy coherence and capacities are to be developed across key government ministries such as finance, energy, transport, and environment to reduce the costs of financing



Decisive regulatory action can shift capital in Asia and Pacific towards the net zero transition



Investment in the capacities of financial personnel is essential



Investment in much-needed sectoral and project-based financial data strengthens solutions



Ten Principles For Action To Bridge The Sustainable Finance Gap In Asia And The Pacific (II)

Private Finance – Asia and Pacific Investors



Commit to net zero pledges for 2050 with credible transition pathways including 2030 goals



Increase local-currency participation in energy transition projects, as well as green technologies and other net-zero investments



Support expansion and acceleration in the provision of concessional financing and risk-sharing by multilateral development banks, bilateral development financial institutions, and public development banks to de-risk projects to be co-financed by private finance



Intensively collaborate with partners in project preparation in more challenging markets, whether in the least developed countries (LDCs), Small Island Developing States (SIDS), or in new green technologies



ESCAP Financing for Development report No. 5 "Sustainable Finance: Bridging the Gap in Asia and the Pacific"



- The report discusses challenges, opportunities and recommendations for policymakers, regulators, and private finance in the Asia-Pacific region to bridge the gap in sustainable finance
- It aims to spur a robust and informed debate amongst ESCAP member States on key measures to move towards increased sustainable finance, and to bring greater clarity regarding the benefits and consequences of various policy, regulatory and private finance choices.



Thank you

