



## Inclusive Economic Development Principles for Integrating Central Bank Digital Currencies in BRICS

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### Background

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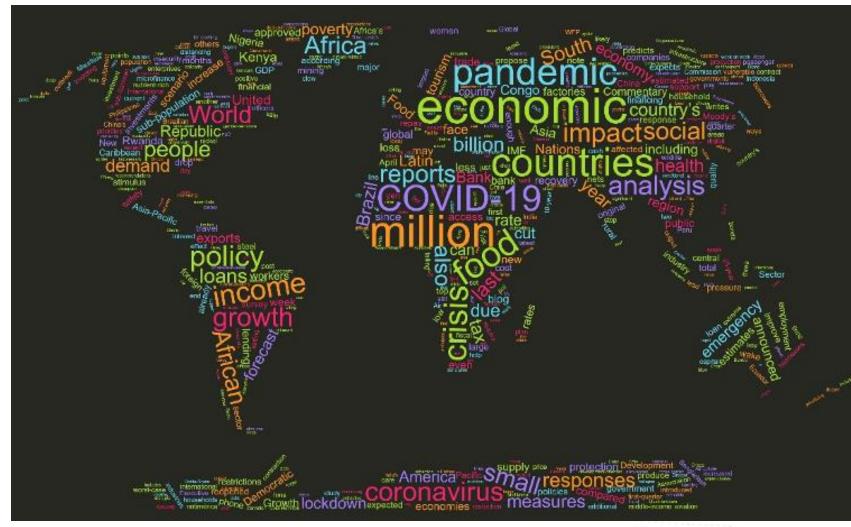
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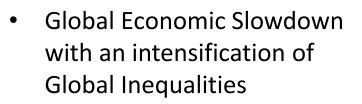
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Source: Centre for Global Development, summary of headlines during the pandemic



- 2008 Global Financial Crisis
- Current COVID-19 Pandemic
- Collapse of Global Trade (14% drop in 2020 Q1)
- Multiple intersecting crises
- Multinational Trade
   Promotion measures not
   having the desired effect
- Current financial system is too slow, expensive and exclusionary



## Challenge



# CBDCs are gaining ground worldwide

- All BRICS Nations are testing CBDC options
- Focus is on national priorities and technological development

Need broader focus on Cross-Border Integration and a common system of protocols to facilitate increase cross border trade

Bad design choices at this point will entrench current exclusionary and inefficient processes.

An early focus on integration will lead to substantial long-term benefits Is a need for radical changes to break the current development paralysis impeding shared economic growth





## **Implementing the MCBDC Integrated Model**



	Strength	Weakness		
Compatible	<ul> <li>Reduces barriers to cross-border payments.</li> <li>Built on commonalities in technical standards and regulatory regimes.</li> <li>With shared commonalities, it is simpler to onboard operational processes.</li> </ul>	System follows a process of legal harmonisation, which took many years to introduce.		
Interlinked	<ul> <li>Introduces a shared technical interface, supported by contractual agreements allowing cross-border payments.</li> <li>Introduces a shared clearing system with designated settlement accounts, allowing Central Banks to hold a balance of a foreign CBDC in its clearing account.</li> </ul>	country connecting to the system, requiring each country to hold a balance of foreign currency in its clearing account.		
Integrated	<ul> <li>Based on a single multi-currency platform with several CBDCs onboarded to the model.</li> <li>Participants agree to the rules of exchange and the shared underlying technical infrastructure.</li> <li>Supports efficiency gains when additional currencies are onboarded.</li> </ul>	over the governance arrangements, technical		



User Wallets						
	Central Bank E controls the CBDC and exchange application					
CBDC A	CBDC B	CBDC C	CBDC D	CBDC E		
BRICS owned share	State owned exchange application					
				<u> </u>		

BRICS Common Bridging Platform (Exchange and Settlement)

- Any country should be able implement their own CBDC application or adopt the common exchange application
- The BRICS Common Bridging Platform is used as a clearing house





## **Distributing Regulatory and Governance Powers**



### BRICS Common Bridging Platform

- Clearing Centre responsible for exchange rate conversion, settlement
- Shared minimum standards for communication & exchange

## Central Banks

- Issuance, exchange, redemption and circulation
- Regulate authorised operators
- Set rules for technical, business, security and operational standards





### **Minimise banking intermediaries**



Adopting the Retail CBDC Model supports Peer to Peer transactions

## End User holds a CBDC account with the Central Bank

End user can transact directly without need for a Commercial Banks

Fees increase with increased number of intermediaries





#### **Protect Data Privacy**





Through the CBDC, the Central Bank can take responsibility for KYC and AML verification

## Trust can be placed in the Central Bank

3<sup>rd</sup> Parties need not gain access to digital identity data

Access and usage of identity data must be transparent









CBDC model must centre financial inclusion and improve access to payment and financial services. Central Bank to offer public and nonbank financial services, where private incentives are limited Offline Wallet capability enables transaction capability where internet access is limited

BRICS Central Banks to share knowledge any technology used for offline capabilities Open-source technologies can be shared allowing all BRICS consumers to benefit from innovation





#### **Centralise Social Innovation**





CBDCs can be a launchpad for future innovations that accelerate global economic growth

The currency could disrupt and disintermediate several industries



BRICS Central Banks must consider the social implications of new technologies and innovations









## Thank you

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