



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

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Global Economic Slowdown intensified Global Inequalities

Multiple intersecting crises

Multinational Trade
Promotion measures
not having the
desired effect

Developmental paralysis

Current financial system is too slow, expensive and exclusionary

#### **Research Problem**



How to ensure Cross-Border Integration and a common system of protocols to facilitate increase cross border trade?

How do we centre Inclusion in the design?

## **Approach**



- Literature Review of CBDC Integration and MCBDC Models
- Sourced from BIS, Central Banks, CBDC specialists
- Filtered recommendations focusing on the social benefits to BRICS society
- Examine applications for BRICS and Global South



# Retail

Allows Peer-to-Peer Transactions

Currency issued to the public, not banks

Higher volume – lower value

# Wholesale

Transactions between financial Institutions

CB is the central domestic counterparty

Lower volume – higher value

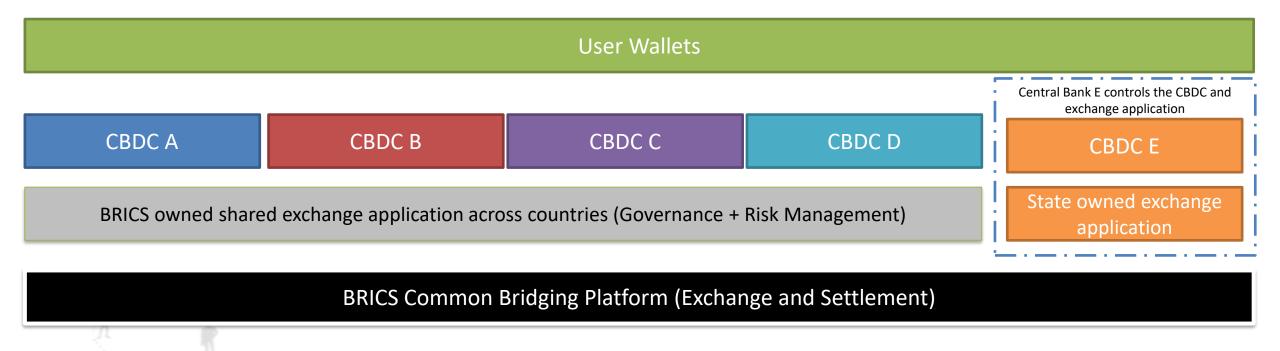


Impl	ementing the MCBDC Integrated Model	NATIONAL INSTITUTE FOR THE HUMANITIES AND SOCIAL SCIENCES BRICS Think Tank
Compatible	<ul> <li>Strength</li> <li>Reduces barriers to cross-border payments.</li> <li>Built on commonalities in technical standards and regulatory regimes.</li> <li>With shared commonalities, 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	CBDCs onboarded to the model.	• There is an increase in governance and controls inherent to the system.
	<ul> <li>Participants agree to the rules of eychange and the</li> </ul>	<ul> <li>Participants will need to relinquish a level of control</li> </ul>

- Participants agree to the rules of exchange and the shared underlying technical infrastructure.
- Supports efficiency gains when additional currencies are onboarded.
- Participants will need to relinquish a level of control over the governance arrangements, technical infrastructure and overall system oversight, as these functions are shared by the group.

### **Unbundling the Technology Stack**





- 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





# **Inclusive CBDC Design Principles**

# **Increase Payment Interoperability and Foster Financial Inclusion**





Promote access to payment and financial services.



Enable public and nonbank financial services, where private incentives are limited



Allow offline transactions



Open-source technologies can be shared across BRICS

### **Protect Data Privacy**



Central Bank takes 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

## **Promoting Carbon Neutrality**





Central Banks should support a Net-Zero Financial System



Only source power from Renewable Energies for currency exchange and verification



Early adoption of Renewable Energies will forefront the sustainable development agenda

## **Catalyse Digital Economy Innovations**



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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