

Financial Stability Report 2017 June 21, 2018 www.central-bank.org.tt; email: info@central-bank.org.tt JIIIII © Central Bank of Trinidad & Tobago, 2018



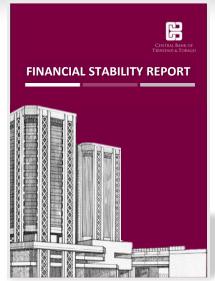


UNDERSTANDING FINANCIAL STABILITY

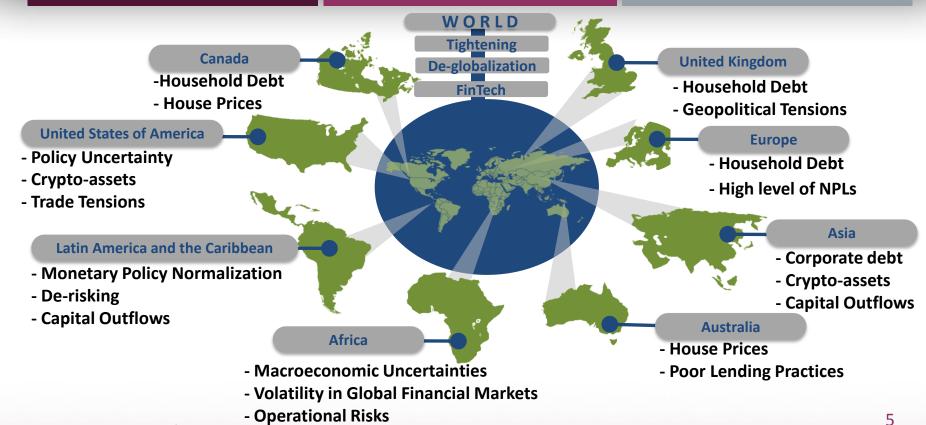


UNDERSTANDING FINANCIAL STABILITY

- Financial stability has been defined as the resilience of the financial system in the face of adverse shocks so as to enable the continued smooth functioning of financial intermediation and payments settlement.
- The annual Financial Stability Report of the Bank provides an overview of developments in the financial sector and showcases the Bank's efforts to strengthen the macro-financial system.



GLOBAL FINANCIAL STABILITY RISKS

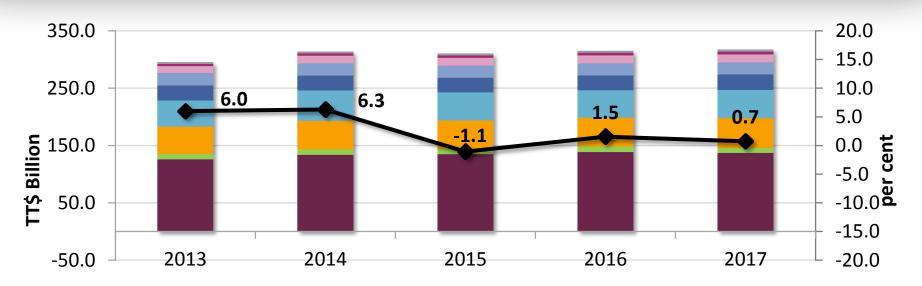


Source: Various jurisdictions' FSRs.



FINANCIAL SECTOR PERFORMANCE REVIEW

SHARE OF ASSETS IN THE DOMESTIC FINANCIAL SECTOR

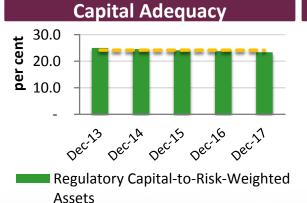


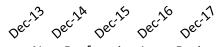
- Commercial Banks Occupational Pension Funds
 - National Insurance Board
 - Credit Unions

- Non-Bank Financial Institutions
- Insurance Companies
- Unit Trust Corporation
- Development Banks

	Dec-13	Dec-14	Dec-15	Dec-16	Dec-17		
BANKING SECTOR							
Regulatory Capital-to-Risk-Weighted Assets	25.0	24.6	24.1	23.8	23.4		
Non-Performing Loan Ratio	4.3	4.4	3.7	3.2	3.0		
Return on Equity	15.8	12.9	18.2	19.9	19.0		
Liquid Assets-to-Total Assets	26.8	25.0	23.1	21.8	19.7		
LIFE INSURANCE SECTOR							
Investment Yield	5.1	4.8	4.5	4.7	4.7		
Return on Equity	15.1	10.6	11.3	15.4	13.8		
NON-LIFE INSURANCE SECTOR							
Loss Ratio	45.3	44.3	48.6	47.2	55.1		
Investment Income / Net Premium	10.3	5.8	5.8	6.1	6.7		

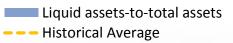
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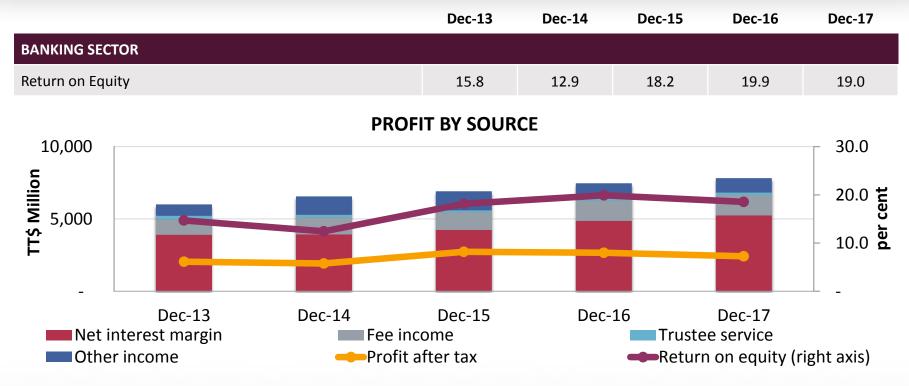




Non-Performing Loan Ratio
Historical Average

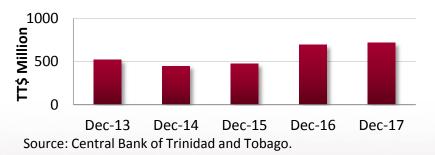






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LIFE: PROFITS BEFORE TAXES

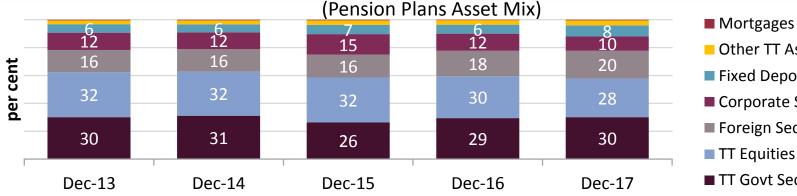


NON-LIFE: CONTRIBUTION TO PROFIT



KEY INDICATORS - OCCUPATIONAL PENSION PLANS

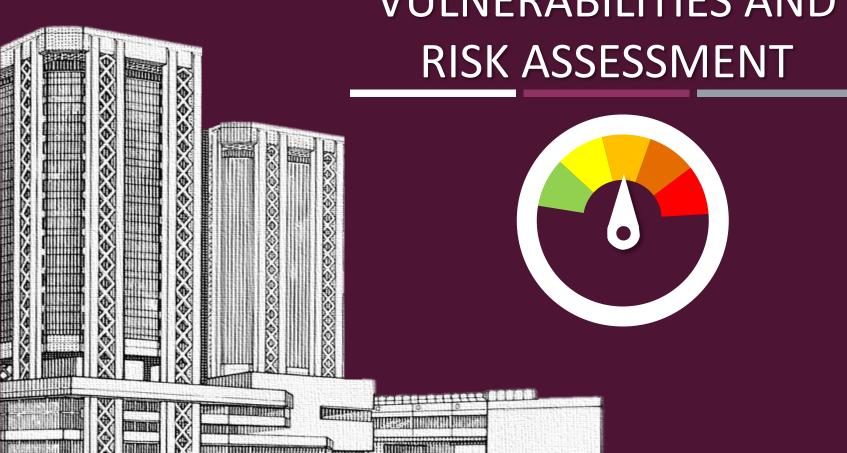
ASSETS AS A PROPORTION OF FUNDS



- Other TT Assets
- Fixed Deposits
- Corporate Securities
- Foreign Securities
- TT Equities
- TT Govt Securities

PENSION PLANS BY TYPE

	Sponsored by Govt or Govt-Related entities		Private Company Sponsored		
	Defined Benefit	Defined Contribution or Hybrid	Defined Benefit	Defined Contribution or Hybrid	
Number of Plans	36	8	77	65	
Total Assets (TT\$ Billion)	\$29.1	\$0.3	\$12.2	\$7.0	



VULNERABILITIES AND

VULNERABILITY AND RISK FRAMEWORK VFRY LOW MOD ELE HIGH HIGH **FINANCIAL VULNERABILITY RISK ASSESSMENT** SECTOR TRIGGER **Probability (P)** Systemic shocks that Weaknesses within Likelihood that an Ρ result in a significant Channels by which the financial institutions, REAL materialization of event will occur. markets or infrastructure shock can be propogated SECTOR imbalances or disruption through the financial and that increase susceptibility Impact (I) to financial services to the build-up of financial real sectors via their Magnitude of the imbalances. interconnections. potential loss. REAL SECTOR

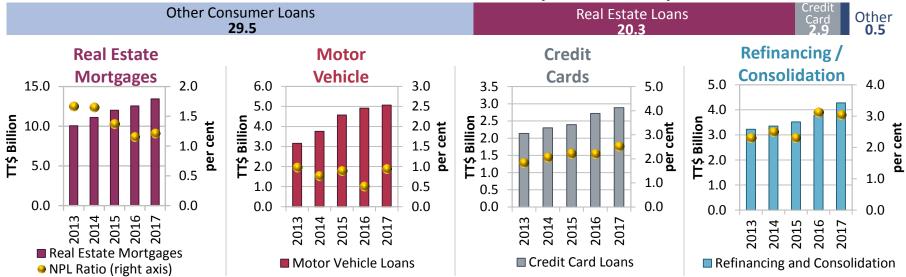
FEEDBACK LOOP

DOMESTIC FINANCIAL STABILITY RISKS

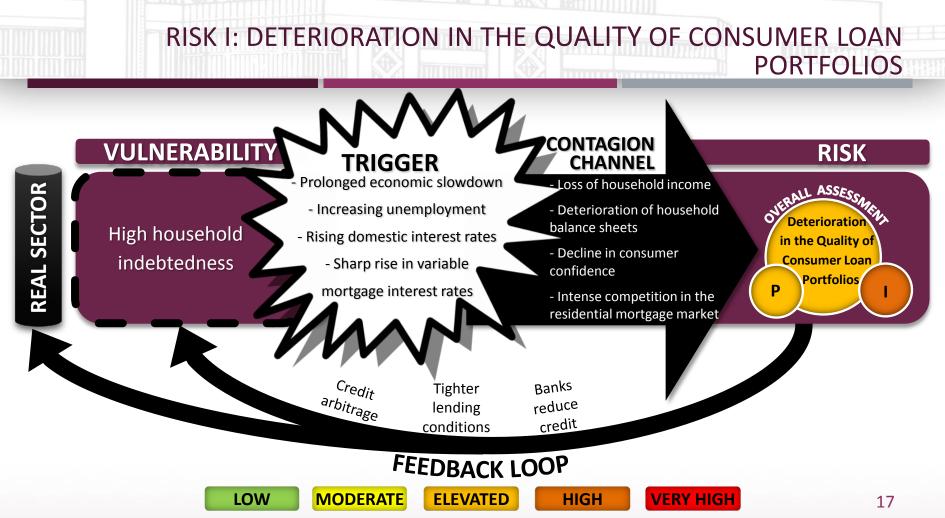
VULNERABILITIES	KEY TRIGGER	MAIN CONTAGIO CHANNEL	RISKS	RISK ASSESS- MENT
High household indebtedness	Rising interest rates and variable-rate mortgages	Deterioration of household balance sheets	Deterioration in the Quality of Consumer Loan Portfolios	
High sovereign concentrations in the financial system	Credit rating downgrades	Rise in debt servicing	Sovereign Debt Impairment	
Relatively low domesti interest rates	Financial market volatility	Increase pressure on financial positions	Unfavourable Movement in Investment Portfolios	
Low	Moderate Ele	evated High	Very High	15

VULNERABILITY I: HIGH HOUSEHOLD INDEBTEDNESS

ESTIMATED HOUSEHOLD DEBT (TT\$ BILLION)



- □ The magnitude of a credit shock to the banking sector is not only dependent on the level of debt, but also on consumers' resilience in the face of triggers which can affect their debt-servicing capacity.
- □ The banking sector continued to effectively manage loan delinquency.



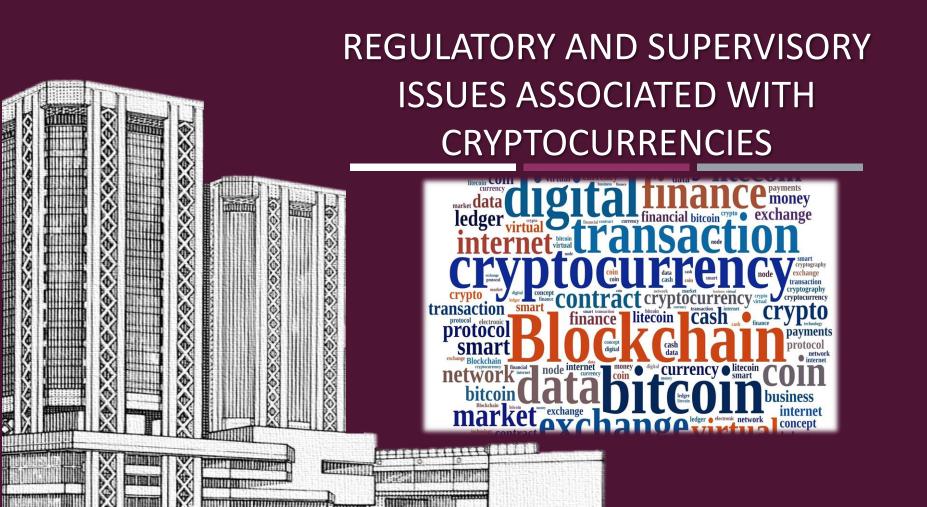
KEY MESSAGES

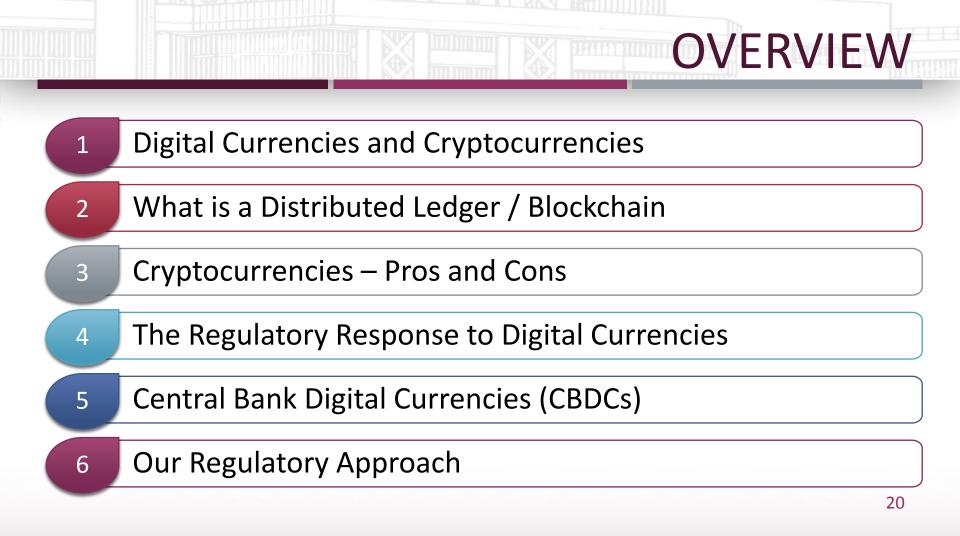
Looking forward into 2018 macro-financial indicators reflect continued resilience

Interconnectedness has been a benefit but can pose challenges if not monitored

Robust domestic financial system with high capital adequacy, stable profits and strong asset quality

Financial sector vulnerabilities and risks have not changed significantly from 2016 On-going assessment of the economic, regulatory and financial landscape



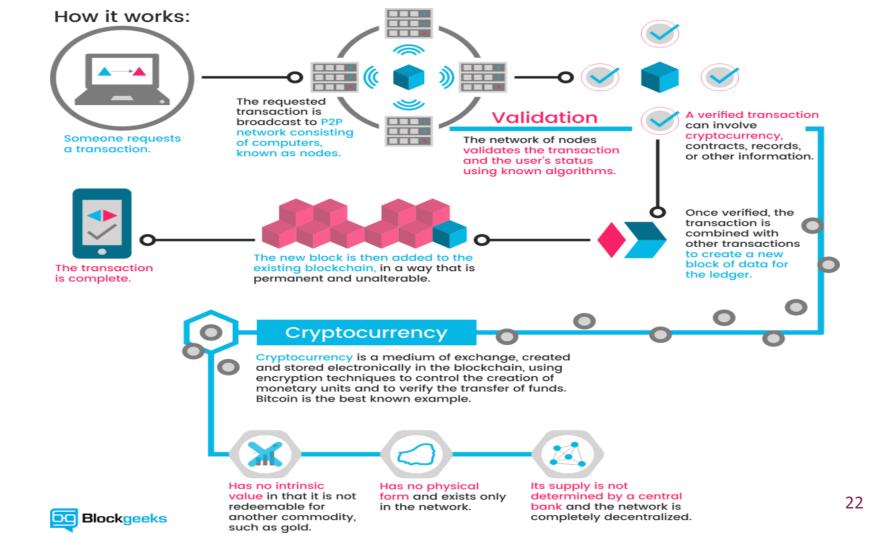


DIGITAL CURRENCIES & CRYPTOCURRENCIES -THE TERMINOLOGY EXPLAINED

FATF REPORT Virtual Currencies Key Definitions and Potential AUL/CFT Risks June 2014



- Financial Action Task Force (2014) defines a Virtual Currency as: "a digital representation of value that can be digitally traded and functions as (1) a medium of exchange; and/or (2) a unit of account; and/or (3) a store of value, but does not have legal tender status ... It is neither issued nor guaranteed by any jurisdiction, and fulfills the above functions <u>only by</u> agreement within the community of users of the virtual currency".
- European Central Bank (2012) defines a Virtual Currency as: "a type of unregulated, digital money, which is issued and usually controlled by its developer, and used and accepted among the member of a specific virtual community".



DIFFERENCES BETWEEN CRYPTOCURRENCY & FIAT



Not Legal Tender

Not a Liability of anyone

Unregulated

Exists only in digital form

Less Secure

Decentralized



Legal Tender

Liability of the Central Bank

Regulated

Has a physical form

More secure

Centralized

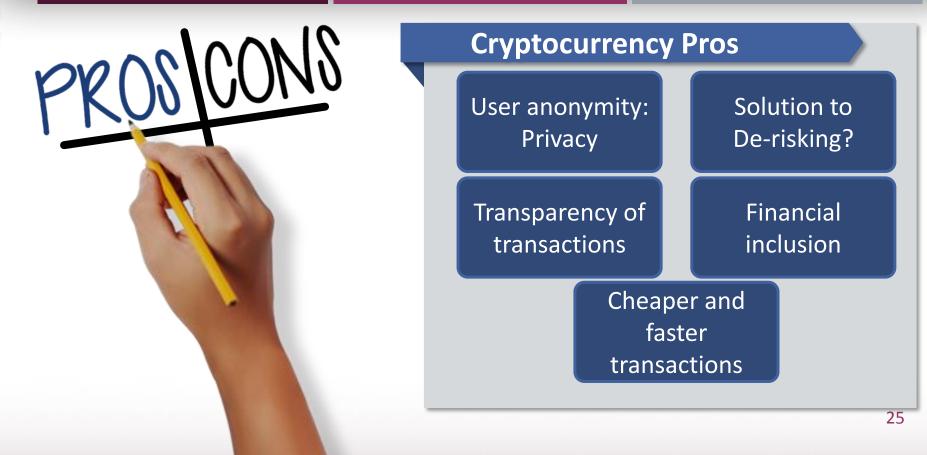
CURRENCY

DOES CRYPTOCURRENCY FUNCTION AS MONEY?

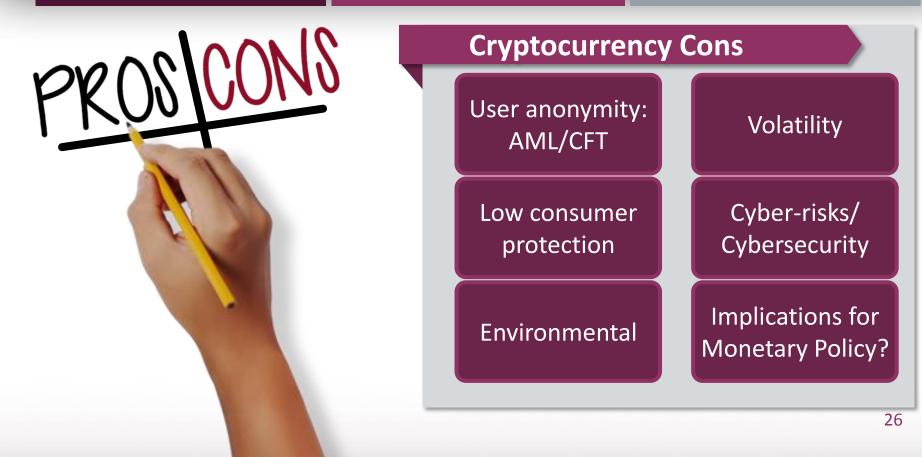


- Medium of exchange at some level cryptocurrencies can serve as a medium of exchange, although their acceptance is currently limited.
- Store of value although some may argue that bitcoin serves as a store of value, this is ill-founded. Bitcoin, a virtual currency, is only as valuable as the market deems it to be and only valuable if it can be converted to a local currency.
- Unit of account Cryptocurrencies exhibit very high time series volatility and trade for different prices on different exchanges.

PROS & CONS OF CRYPTOCURRENCIES



PROS & CONS OF CRYPTOCURRENCIES



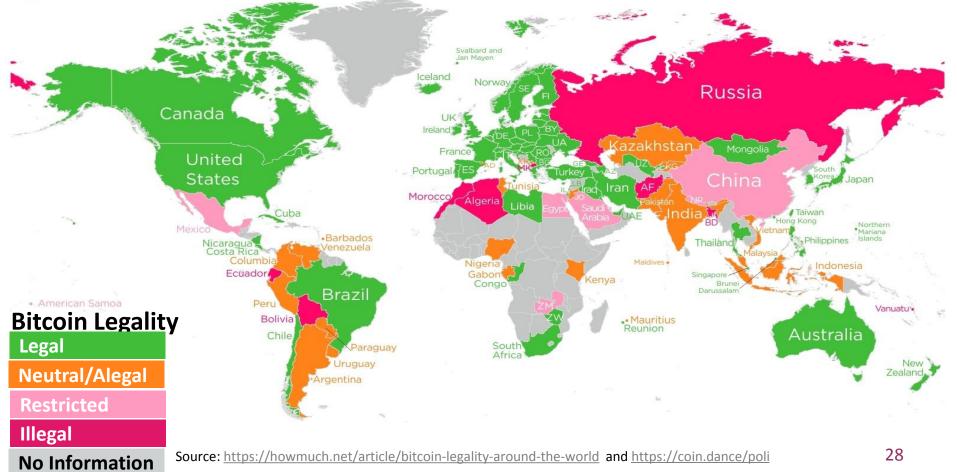
CRYPTOCURRENCIES AND FINANCIAL STABILITY



Mark Carney Chair, Financial Stability Board Governor, Bank of England March 2018 "The FSB's initial assessment is that crypto-assets do not pose risks to global financial stability at this time. This is in part because they are small relative to the financial system..."

Crypto-assets raise a host of issues around consumer and investor protection, as well as their use to shield illicit activity and for money laundering and terrorist financing. At the same time, the technologies underlying them have the **potential to improve the efficiency and inclusiveness of both the financial system and the economy**..."

Bitcoin Legality Around the World

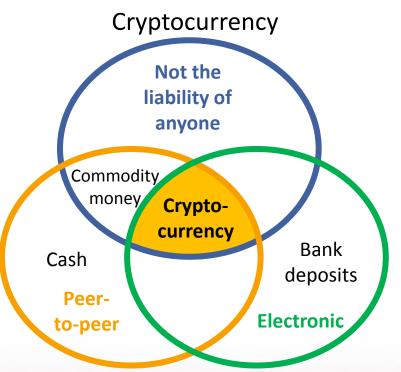


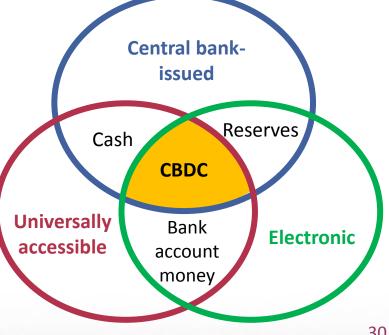
THE REGIONAL RESPONSE TO CRYPTOCURRENCY

- Some Caribbean Jurisdictions have issued advisories (Aruba, Belize, Curacao and Sint Maarten, ECCB, Jamaica and Trinidad and Tobago. Barbados is preparing and advisory for issue in 2018).
- For many financial sector legislation do not explicitly cover cryptocurrency.
- For some there is some scope under legislation covering payment systems or remittance business.
- Many Central Banks have taken a 'wait and learn' approach.
- Some Central Banks at least 3 have indicated their intention to issue a Central Bank Digital Currency and others are assessing.

IS A CENTRAL BANK DIGITAL CURRENCY THE ANSWER?

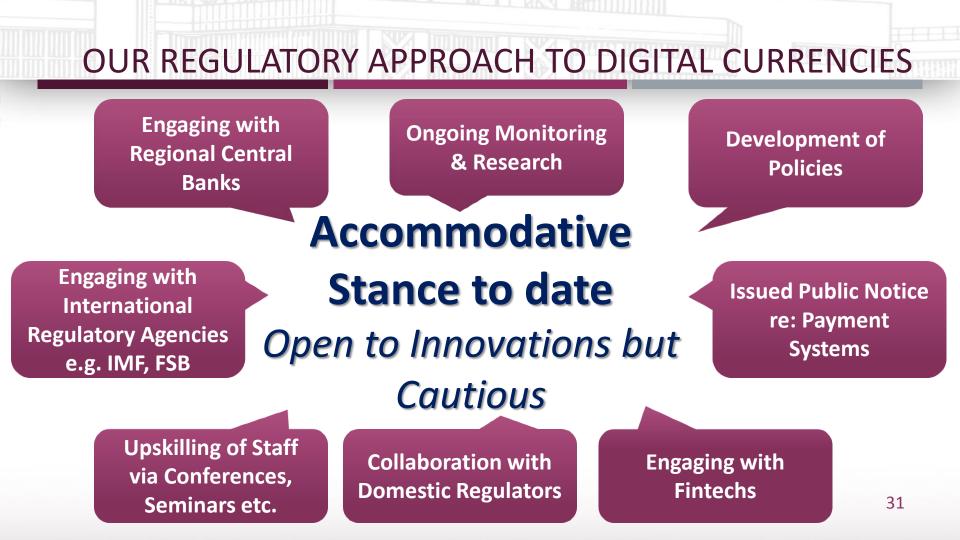
TWO TAXONOMIES OF NEW FORMS OF CURRENCY





Central Bank Digital Currency (CBDC)

Source: Bank for International Settlements.



CONCLUSION - THE REGULATORY APPROACH TO FINTECH



Source: Finance and Development, International Monetary Fund, June 2018.

"We must guard against emerging risks without stifling innovation"

Christine Lagarde Managing Director of the International Monetary Fund, 2018.