



Global Financial Architecture and Decentralized CBDC Regimes

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PRINCIPLES OF GLOBAL FINANCIAL ARCHITECTURE AND INCREASED REGULATORY COMPLEXITIES CAUSED BY CRYPTOCURRENCIES





Principles of Global Financial Architecture

- Viable Legal Infrastructure
- Coherence
- Interconnection



- Sequencing, Evaluation
- Auditing Standards, Transparency, etc.





Cryptocurrencies: Regulatory Complexities

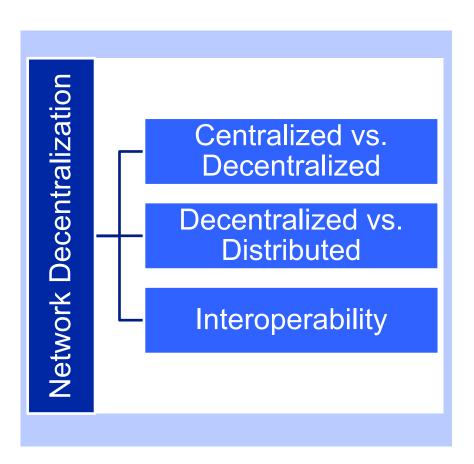
- 1. Private Cryptocurrencies (Global) v. CBDC (National, Regional)
- 2. Access and Interoperability as Major Issues
- 3. CBDC Issuance
 - Technological Basis
 - Addressees
 - Existence of Intermediaries

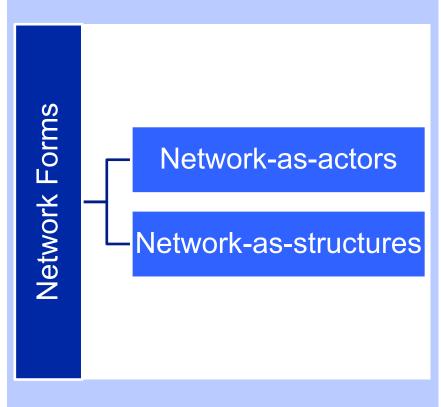
TECHNICAL DESIGN OF NETWORK STRUCTURES





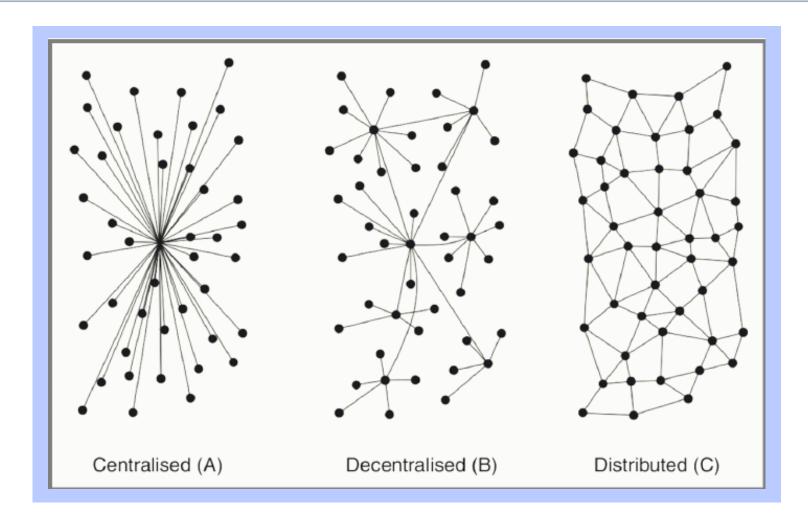
Characteristics of Network Structures









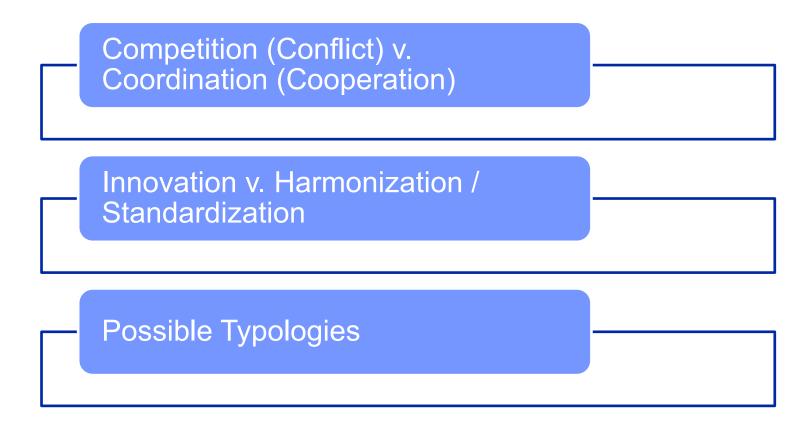


REGULATORY DESIGN





Models of Regulatory Design



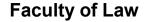




Chances and Risks of Regulatory Competition

- Divergence of Standards and Interoperability
- Incongruent Regulations
- Cross-border Impact of Regulations
- Monetary Sovereignty







Chances and Risks of Regulatory Coordination

- Minimum Standards Against Race to the Bottom
- Financial Stability and Integrity
- Cross-border Interoperability
- Repository of Information





Model of Co-opetition



Flexible Mix of Competition and Coordination



Inter-Governmental, Intra-Governmental, Extra-Governmental



Governance in Decentralized CBDC Networks

PRACTICAL IMPLEMENTATION: DESIGNS OF ONGOING PROJECTS

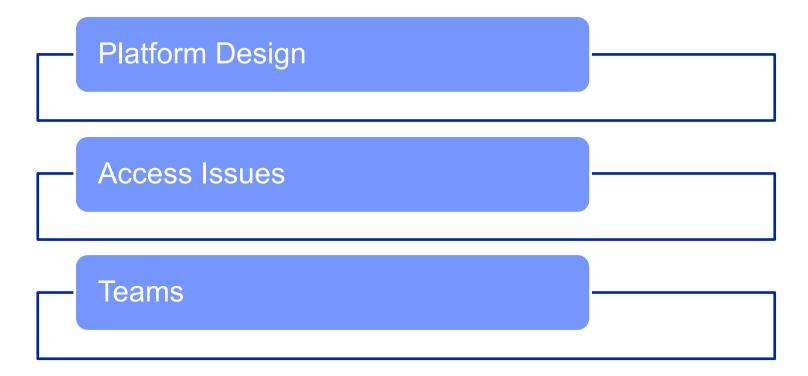


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Completed and Ongoing Projects Involving Central Banks

Common Key Features







Evaluation Criteria

- Do Not Harm
- Enhancing Efficiency
- Resilience
- Coexistence and Interoperability
- Financial Inclusion





Interoperability Options

- 1. Making Available CBDC to
 - Non-residents (rCBCD)
 - Foreign PSP (w- and rCBCD)
- 2. Compatibility Model
- 3. Interlinkage Model
- 4. Single System Model



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Legal and Regulatory Issues

- Robust and Viable Legal Basis for Infrastructure
- Issuance and Transfer of CBDC, Finality and Validity of Settlement
- Divergences in Payment, Data-sharing, Privacy Laws, etc.
- Development of Common Rulebooks and Procedures

ADAPTION OF THE GLOBAL FINANCIAL ARCHITECTURE



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Adaption of the Global Financial Architecture

- Decentralization: Sub-Networks?
- Changes Related to Primary / Global Reserve Currency?
- Competing Currency Blocks?
- Increased Uncertainties and Weakened Governance?
- Financial Inclusion?





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