# High level Draft - Proof of Concept | Functional Design | Beta :

# 'A Special Drawing Right (SDR) Synthetic Central Bank Digital Currency CBDC constructed on scalable Web3 and L2 Technology'

## Defining the Problem Set:

In sum - Global Central Banks are currently investigating the feasibility and proof of concept design phase of Central Bank Digital Currency CBDC [in exception to the Bahamas Sand Dollar, China eCNY and some design progress in Ukraine, Uruguay and Cambodia) - In coalition they require a stable, non stochastic, reliable and flexible, synthetic (public private) implementable digital currency (sCBDC) to create a Digital Special Drawing Rights (SDR) Tokenomic ecosystem in the broader context of blockchain economics - from hyper ledger fabric to sawtooth to besu.

This PoC is jig sawed within a global monetary and capital market development paradigm for pure DeFi digital asset management (& investment), DEXs, the adoption of governance and utility tokens & stablecoins, to aid the adoption of CBDC in stabilizing global real effective exchange rates (REER), asset price stability & CPI and a, within respect, a CeFi-DeFi tethered monetary policy regime – And all cemented on a platform to govern, regulate and report - in a legal framework that supports and that is compliant with localized CeFi DeFI RegTech international best practice [sic.which do currently exist!].

Applying L2 techn, commoditized trust, ZK SNARK [perhaps], rollups, state channels & side chains (parathreads etc) , and of course, encapsulating a Web3 scalable framework that optimizes smart contracts and gas prices, implements blockchain parameter efficiency, relayers block gas limits, block times, and base fee adoption – by way of example.

## Defining the Solution Suite:

Develop the foundation for a synthetic CBDC and SDR a L2 platform to demonstrate the utility of non permissioned blockchain protocol networks and to encourage their adoption into a broader

stablecoin/governance in tokenomic ecosystem [dynamic supply controlled and focused on proof of stake, proof of bet and byzantine algo design]:

- Develop and deliver a GUI for the platform and an Eth dApp.
- Develop and advance a DAO to automate the policy based decision framework and facilitate digital asset, tokens and related cryptocurrency transactions.
- Develop, design and evolve a token for the CBDC and one for the SDR as 'dynamic elastic supply control tokens' utilizing a broader Single-State Q-Learning (SSQL) approach (a rebasing methodology for elastic supply) to mitigate stochastic behaviors and guarantee price stability in a real effective exchange rates (REER) regime.
- Mature, design and implement a utility token /synthetic CBDC swap functionality for members and applications of the of SDR framework.
- Construct and delineative a tooling to assist with prediction analytics / forecasting / Intertemporal choice.
- Apply, accord and implement Use Layer 2 solutions to make it all work efficiently. Economically and profitability.
- Utlise Byzantine Fault Intolerance and Autonomous Protocol tech via Skale - https://skale.network/
- Application design and implementation of an SDR based quasi digital currency – elastic supply Synthetic Central bank Digital Currency on Compound Platform- Algorithmic Governance Tokens and Dynamic Supply Control - An elastic supply stablecoin set in a framework of 'proof of bet' and - Real effective exchange related (i) Asset referenced tokens and (ii) an SDR CBDC design framework for a Digital Asset Taxonomy Governance, Regulation and Compliance Reporting initiative.
- Supplementary and supporting compound based application for blockchain parameter intertemporal optimization and recursive simulation estimation modeling – econometric and statistical programming focused scaling for blockchain and the broader DeFi ecosystem with direct oracles and brides to side chain.

- In addition to a CBDC based Governance Token merger concept :

- Blockchain macro-fiscal asset management.
- Token unionization via game theory principles and the blockchain dilemma.
- Buying multiple tokens to use one single application is inefficient, impractical and costly – apply a total factor productivity modeling solution .
- common asset management token – apply a induced investment Framework forecasting model .
- Token Merger V Swap (Real effective exchange rate bundle) utilizing common governance.

******