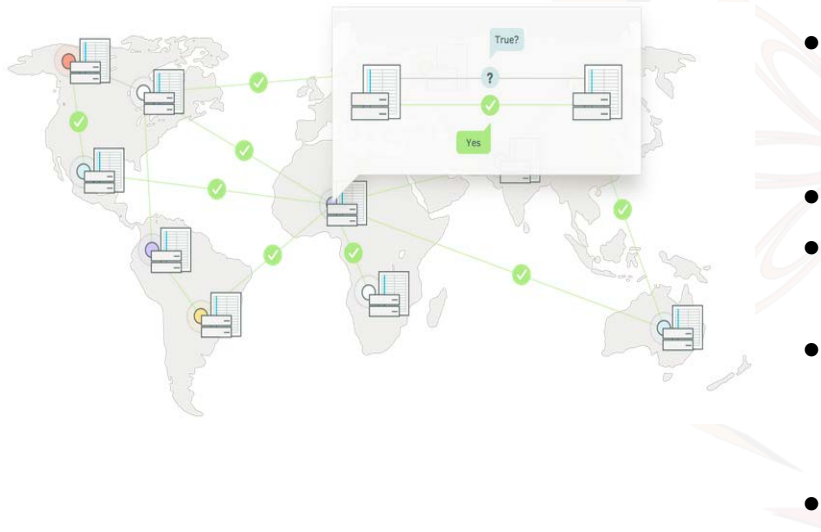


# Cross-Border Payments

- But, what qualifies as a currency. In economics, the following criteria must be satisfied:
  - **Medium of exchange**: Are merchants willing to accept the currency in exchange for goods and services
  - **Unit of account**: Is it a measure of the real value of goods and services (e.g., would a merchant be willing to accept the same value regardless of relative currency fluctuations)
  - **Store of value**: A mode of investment

# Stellar Protocol and Network

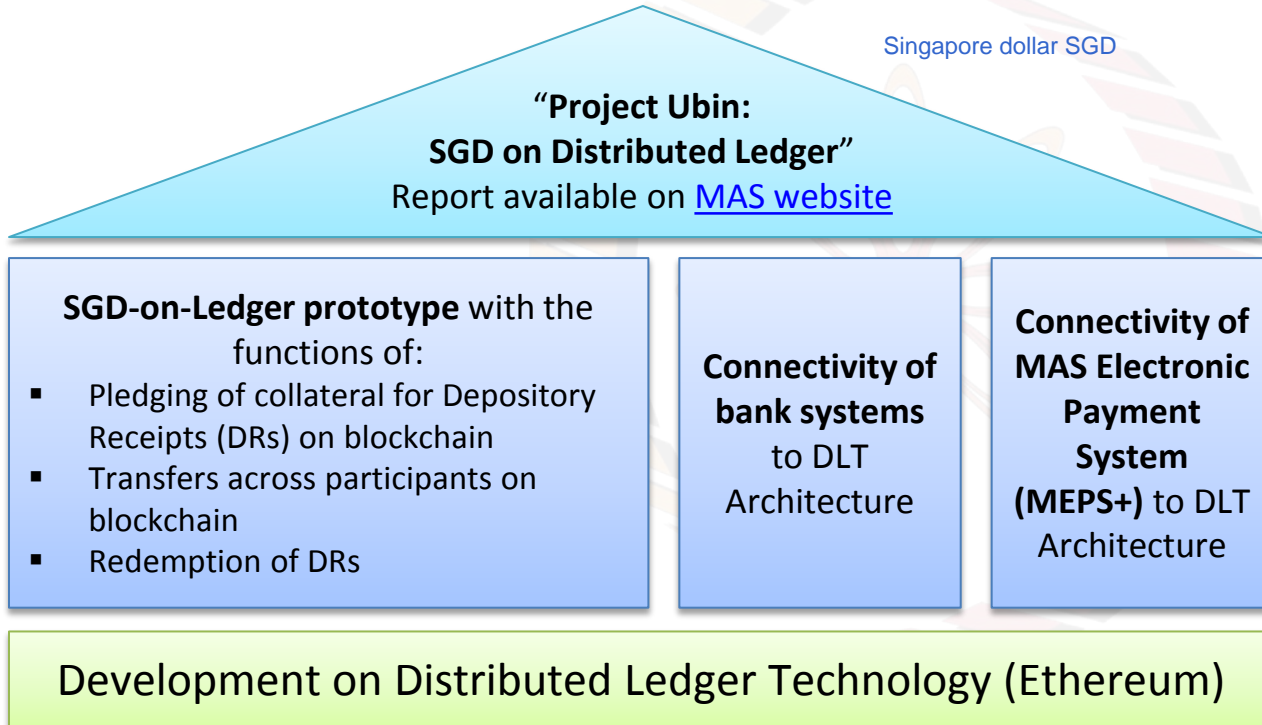


- Decentralized, hybrid blockchain platform with open membership; Lumens as native asset
- Federated Byzantine Agreement (FBA) – quorums

# Ripple Protocol and Network

- Protocol for banks to clear and settle payments in real time through a distributed network
- Consensus allows payment exchanges and remittance to happen without need for a centralized clearing house
- Average 5 second confirmations; no mining, custom protocol that hasn't yet been validated for correctness and fault tolerance
- Gateway nodes convert fiat currencies to XRP (currency in Ripple)
- Market-makers convert from one currency to another
- Centralized governance, with Ripple still holding a large fraction of the cryptocurrency
- <https://ripple.com>

# Project Ubin: SGD on Distributed Ledger



Just know that the singapore is trying to bring SGD to blockchain (i.e. ledger)

**Phase 1:** Domestic payments using Central Bank issued SGD equivalent

**Phase 2:** Reimagining Real-Time Gross Settlement (RTGS) on multiple DLT platforms

*\*Property of Monetary Authority of Singapore*

# Project Ubin Phase 2: Decentralized Netting

Depicts Trade off

Can ignore this

