Scalability through viscosity

DECENTRALIZED MEANS EVERYONE PAINFULLY VERIFIES EVERYTHING—ALWAYS

Believe, but verify - publish your Authorship number or batch of numbers—instructing the public to archive and you instantly create a system of endless evidence super-flexible for any such needs. And for systems accommodating frequent sales and trade of anything tangible or intangible assigned to the Authorship numbers, this ledger you started simply gets bigger where you make record of only new numbers belonging to other participants. You and everyone else always put in equal verification effort, your incentive being that one day you acquire ownership of some Authorship number, having confidence that only you can authorize its next hand-over—since you have verified up to that point. See Authorship.cpp for more samples & details.

Dare to optimize and you have centralization - blockchains of any type are unfortunate optimizations necessary only until our handheld devices can verify everything if ever possible. Upon a transaction these optimizations may inform all users to overwrite your number for example, if and only if three randomly selected participants can verify your event. Three users might be difficult to compromise and more so 3,000 verifying parties, however, centralization will arise as soon as one or more participant is prevented from verifying.

Forget blockchain, embrace viscosity - keep in mind the power of super-flexibility, and recall that you can verify everything without doing the work by asking the proving party (who published multiple numbers beforehand) to modify one of their slower numbers (of higher viscosity.) And having this proof saying they authorized all modifications up to this point, you have access to periodic verification as if you ran through their entire chain—their main number now being overwritten globally with a new number coming from this event's user message. (For more, see bullet point: Skipping through verification with outdated numbers.) Authorship and its femtosecond version always ships free of blockchain, but manual ledgers are built-in as you can manage private, public, and number files effortlessly.

Now consider a currency circulation initialization where each participant still holds everyone else's batch of numbers, but verification occurs locally per town. Someone buying caviar in Moscow needs not worry about another buying data in San Francisco because each participant has multiple numbers as if multiple addresses, one accommodating frequent transactions, and one—rare and overseas. If ever you move or wish to verify a distant city, you may ask that their slower numbers be modified. Value being subtracted here and added there can be updated on your device as needed.

Conclusion - now you have scalability through viscosity while retaining decentralization. Viscosity is highly-configurable and one of many methods of—not preventing but delaying verification where old transaction information can be discarded upon verification—globally.