# RunTheWorld Protocol

*Peer to Peer File Sharing and Blockchain Instance Management*
*Ethereum Edition*

*Concept:* As part of a larger Protocol for Global Civics the essential component of providing *verified data* is its storage on a Blockchain.
This shell can be used for any application that needs peer to peer, decentralized file storage including of exported blockchains.

Purpose: To decentralize global policy making

*Ethereum Scope* for the ETHWaterloo Hackathon

- Client nodes will have the ability for a client node to "spin up" / create, import, export, start, stop and mine blocks for custom blockchains to store permanent records of finalized discussions for specialized groups.

- To integrate with a peer to peer sharing environment, the ability to back up exported Ethereum Chains, and track the existence and status of chains using a "metachain"

- To store JSON-LD files inside the changes.

**NODE: Thin P2P Client written in Go**

*can compile to*
*Windows, Mac (can attach to Geth)*
*Android, iOS (Files only)*
*[chrome extension? Docker?]*
*MetaMask Authentication to Custom RPC*

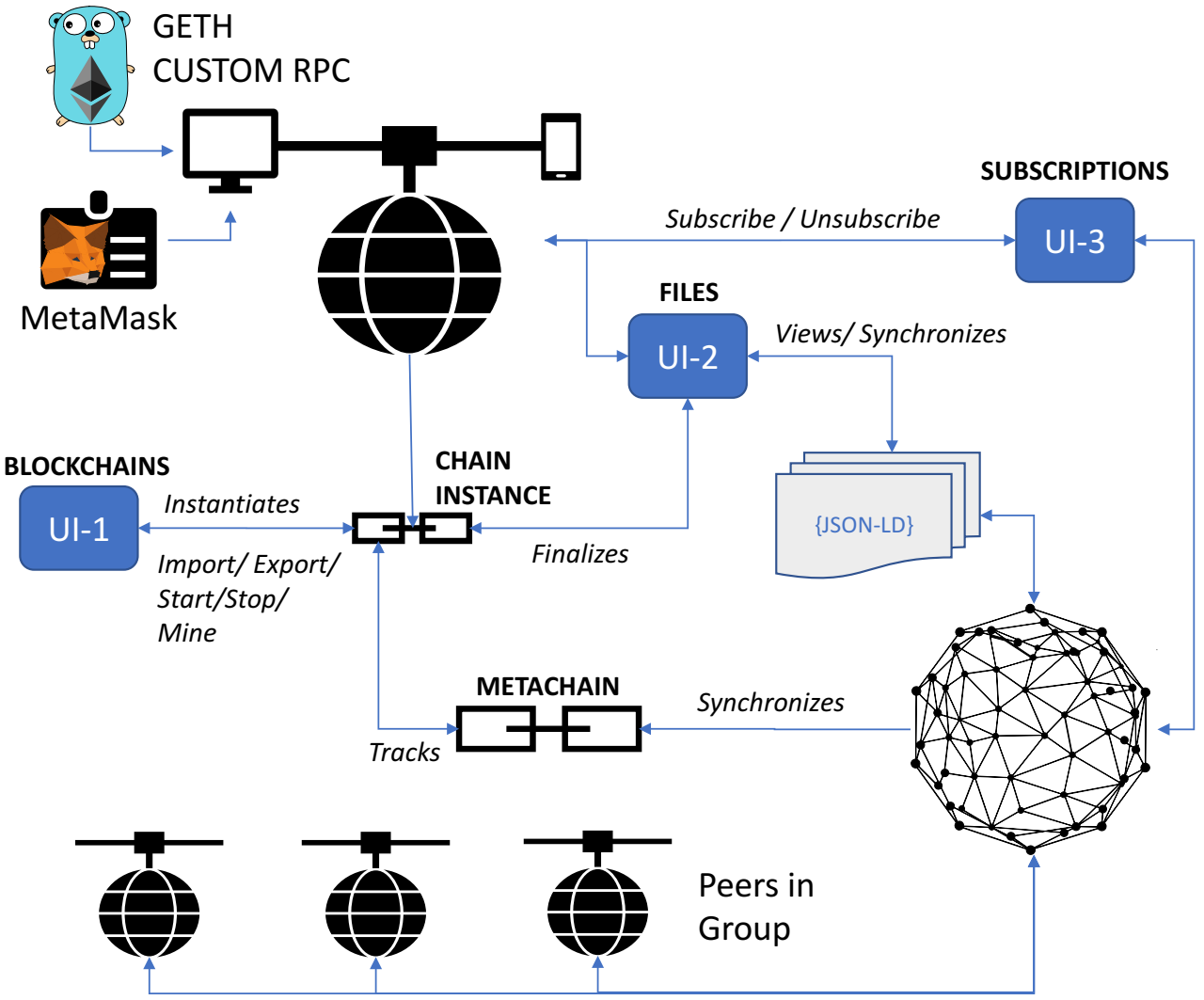
Supports Framed Custom Web UI

Manages simple file sharing for JSON-LD
Stores Final JSON-LD files in Blockchain
Imports/exports
Loads starts/stops Blockchain instance

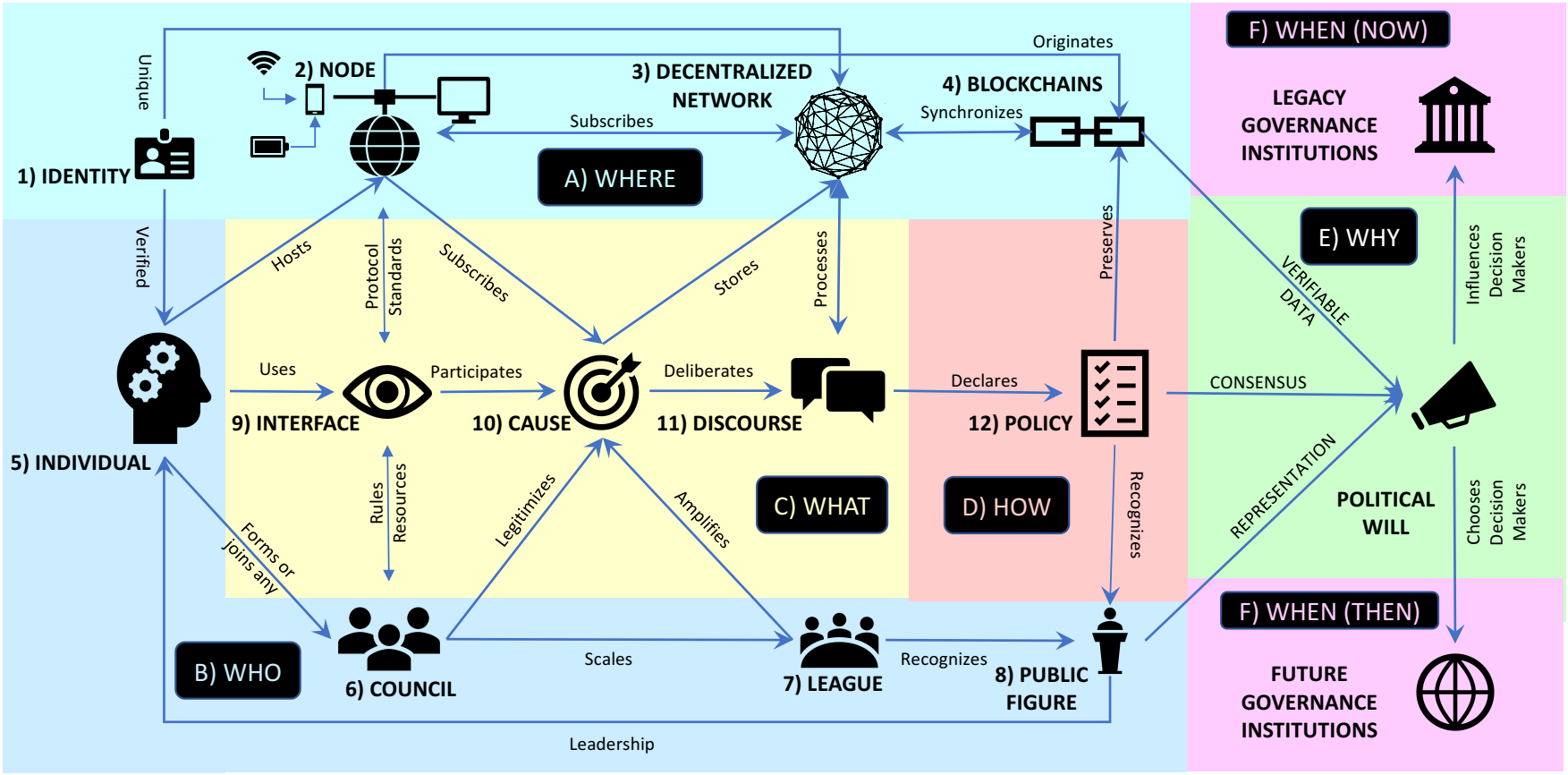
Metachains track chain file instances

Subscribes to files selectively

3 Simple User Interfaces UI-*n*
UI-1 Blockchain Mgr,
UI-2 Files Mgr.
UI-3 Subscriptions Mgr.



# RUNTHEWORLD PROTOCOL (*RTWP*)




Flowchart

An Ecosystem for Digital Civic Consensus

This diagram represents a protocol proposed for the Global Challenges Prize 2017 http://runthe.world/RTWP.pdf