Mapping

Introduction

The connecting glue between data, peers on the network and information across the universe is called mapping. In a science blockchain miners are called Mappers. The purpose of the network is to “map out' the environment, life and the Universe at large. Each peer in the network has the right to participate in mapping activities, whether that be sensor data recording, computation or 3D printing. Mapping activities will be 'rewarded' by a value or voting outcome granted by each individual peer on the network. The proof of data mechanism on the blockchain preventing the gaming of mapping.

Function of Mapping

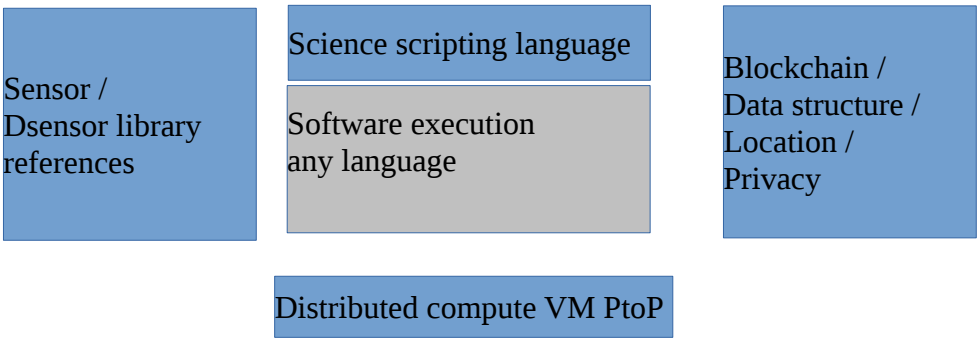
The act of mapping covers the following:

Value of Science

Introduction

Two forms on science value needs to be mapped out. Existing knowledge in the form of information and scientific hypothesis set out in information. A mechanism to map both types will be required.

The first stage is to establish Sensor based Science protocol. And from these crude beginnings expand the range of science activities to be mapped out. Evolving the protocol over time will be built into the protocols software design.



Science Scripting Language

To provide a standardized/ constrained set of commands to summaries a scientific hypothesis or summarized equation or proof. This will be mapped an execution environment where any software language can actually preform the computation.

Value of Science

Introduction

A new scripting language for authoring scientific hypothesis will be built. (need to review suitability of ethereums Solidity language). This will provide a range of tools to stitch together peers, sensor data, blockchain references and computational resources.

Mapping value activities:

Precision of measurement
Each sensor registered on the network will be rated for its granularity of measurement.

Computation and Complexity
A VM computation quanity of computational resource will be standardised and combined with complexity of program exucution quotient that has some existing validity in mathermics/computer science.

Collaboration and consensus
The inner working of the proof of data/stake mechanism for the operation of the personal and other blockchains. This will be strongly subject and reflect peers particiation i.e. voting with their own data and computation resources.

Cause and Effect
A hypothesis that achieves 100% consensus across the network. Becomes an ever present compulation model running on a peers data.

Research Signal

Introduction
This will replace price (as in monetary) signal as the governing number for the network to guide its collaboration activities. For example, this will give sensor makers the insight on where to innovate for greater granularity of measurement or highlight areas not being measured, or on the computation side, focus energies on the urgency of problems needing solved or an indication to the entire network of the complexity of a problem etc.

Past - Future
The Research signal will use all available information. Looking to the future will be the primary concern of signal and thus giving the network of peers the best insight to focus there activities.

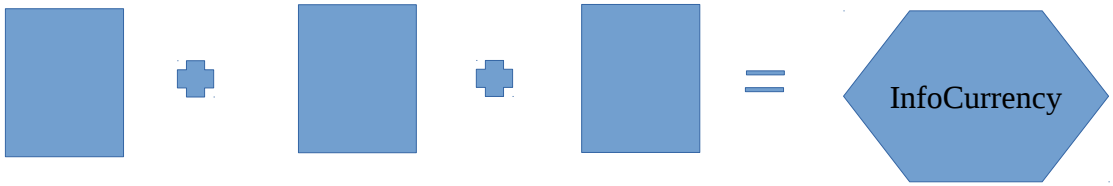
Future Hypothesis
The future is an uncertain place. Is it possible to find a consensus mechanism to value hypothesis. Yes, by the use of simulations. These simulation will be based on the consensus outlook each peers chooses to support.

ModusCoin – Infocurrency

Introduction

This will be a Infocurrency. Crytpocurriencies reward that act of mining, an Infocurrency will reward the act of mapping. An Infocurrency differs from all monetary (fiat or crypto) currencies in that 'pricing' is context specific and the underpinning information in that context is actionable i.e. can be used directly in any computation.

Three value vertices's



Capture
Fixed objective measure mechanism. Like printing your own money.

Compute
The use of the captured data in a computation e.g. how many times

Consensuses 'votes'
A subjective value expression by any peer in the network. Gives the property of different 'prices' for different networks of consensus.

Sample calculation:

1.

Prevent fraud or gaming of the system

Made up data
Proof of data mechanism via Dsensor library

Computation for sake of computation

Outcome of data
Proof of printing mechanism via Dprinter library

Collusion of consensus
False network created to create false peer votes

No transfer of ModusCoin
An infocurrency is none transferable between identities. It is a one way flow or osmosis of value to an individual, sharing data or computation models is the mechanism exchange 'value'.

Compared to Fiat or Crypto Currency
One universal price signal is generated by the market mechanism, this false to hold true for a infocurrency. Speculation is not possible due to the non transferability of an infocurrency. Store of wealth, intrinsic value or transaction value are non rational mechanism for an inforcurrency.

There is no need to have money supply and demand. Money supply in fiat or crypto currency is abstracted to notional terms, an inforcurrency captures the information behind reality. If there is more than one reality there will be more than one infocurrency.

Mapping definition

flowchart in hpy theory built

rightsized to or constrained to sensors

or compute power available

room temp and productivity