



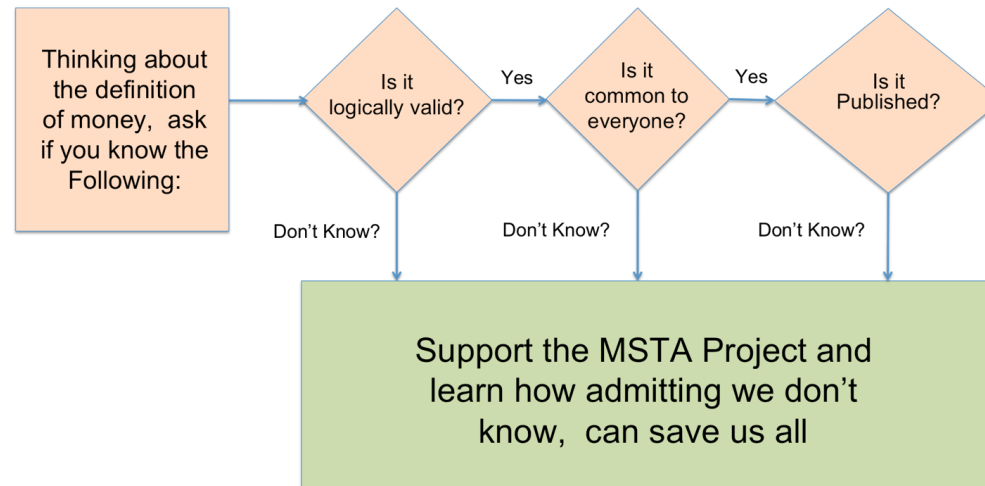
Money Systems Transparency Alliance

MSTA

Idea to World Forum

**THE BRETTON WOODS MONETARY INSTITUTE & FESTIVAL
2019**

The problem



- Currently there exists no standard definition of money
- Instead money is misrepresented as both a measure and commodity without noticing how these are mutually exclusive

Why we need a standard

- [As reported by OXFAM this year 2016](#) : More than 50% of world wealth now owned by 1% of the population
- On the basis of a misrepresentation, legal contracts facilitate the otherwise **unconscionable and unprecedented** transfer of wealth and power, not only from the 99% but also from the majority of the so called 1%, SME owners with as little as €600,000 in equity see:

<http://www.globalrichlist.com/wealth>

Why we need a standard

- These SME owners are the last bastion of the middle class, the backbone of the community based economy (99%)
- A backbone without a body is no backbone at all
- Thus, saving this group is *sine qua non* to the prosperity and personal freedom and autonomy of the 99%.

Whose Fault is it?

“System design affects user behaviour but user behaviour does not affect system design unless it expressly acts to alter or replace it.” Gauvin 2011

- Most so called “winners” and “losers” currently embrace the misrepresentation of money
- As long as this misrepresentation is assumed as legitimate, then the rich/poor divide is “fair game”, system driven and not a question of good or bad behaviour.

Whose job is it to fix it?

- Principles of Law require that contracts have a valid common understanding
- The law requires ALL to assist in disambiguation
- In particular, legal, scientific, financial experts
- Open International Expert Forum is required to define, ratify and publish a first ever rational definition of money

Incentives/Imperatives

Once money's misrepresentation is enunciated

- Greater Transparency i.e. reason trumps demagoguery
- The Judiciary must correct misrepresentation or lose credibility
- Legal imperative for all to resolve ambiguities.
- Social divide systemic not user behaviour driven i.e. True change only possible via paradigm shift not behaviour modification.
- Need for a credible reward/status/risk.
- Long term planning vs short term impulse reaction.
- Security, higher quality sustainable life support
- Higher inclusion and social cohesion.



MSTA
International Multidisciplinary
Open Experts Forum

The Goal

Answer: How to define the exact technological role of money and provide a coherent specification all can understand?

Open Forum

- Formal Requirements.
- Formal Decidable Semantics
- Dynamics System Testing
- Concurrent Legal and Financial Evaluation and Global Take-up
- Concurrent Outreach.

Open Forum

- **Formal Requirements.**
- Formal Decidable Semantics
- Dynamics System Testing
- Concurrent Legal and Financial Evaluation and Global Take-up
- Concurrent Outreach.

Formal Requirements

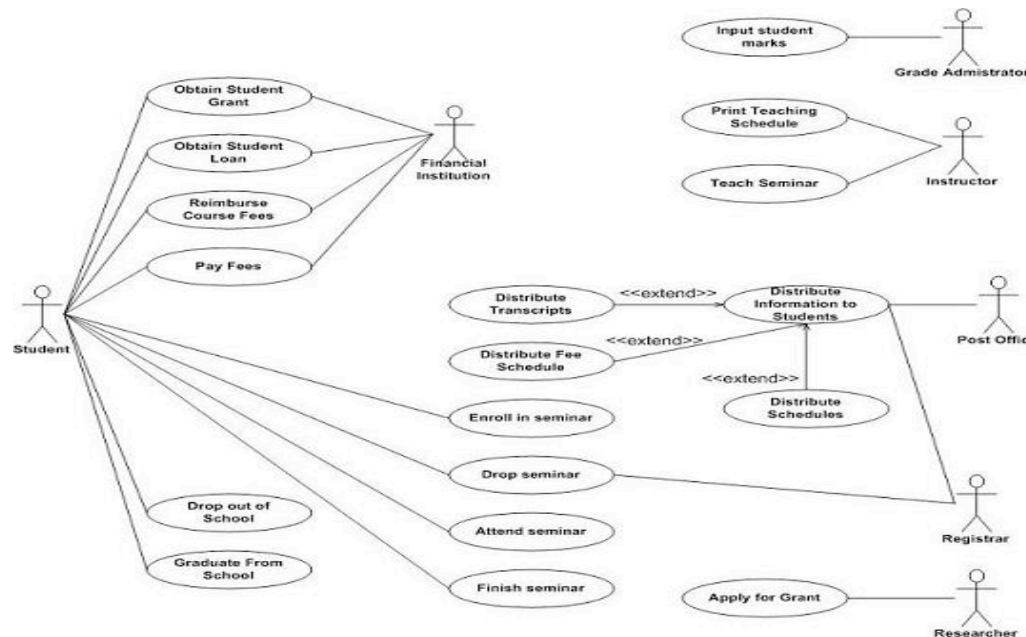
Formal Requirements to answer the above question and issue a first ever authoritative Approved Functional Requirements document for money and money systems with abundant use case analysis.

Formal Requirements

- Users and stake-holders define and record an exhaustive collection of scenarios in natural language (use cases). Example:

John sell his business to Mary...Mary has her credit checked...the bank deposits...

- The scenarios are represented in a standard schematic format such as UML



Formal Requirements

- Use case scenarios are represented
- Functions are defined
- A glossary of terms and definitions are recorded
- System boundaries are defined
- Common standard representation formats are used

Open Forum

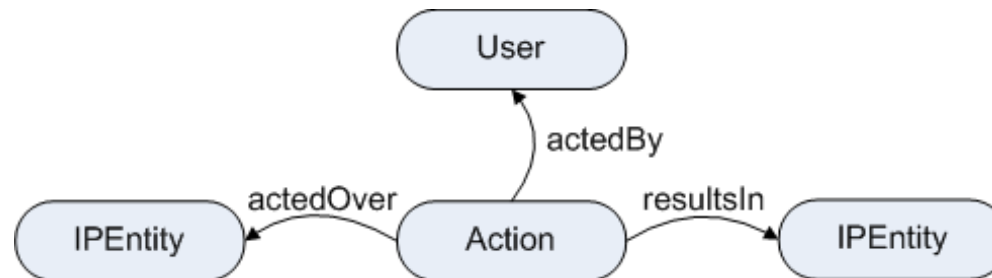
- Formal Requirements
- **Formal Decidable Semantics**
- Dynamics System Testing
- Concurrent Legal and Financial Evaluation and Global Take-up
- Concurrent Outreach.

Finance Ontology

Represent financial/legal/economic terms (i.e. Finance Ontologies) and identify and illustrate any logical inconsistencies both in the definitions and uses of the terms to form Financial “Rules”.

Finance Ontology

- The requirements glossary of terms and definitions are formalised within decidable ontologies such as OWL-DL (description logic), where different terms are related to one another logically and tested for inclusion, exclusion, cardinality etc.
- Rules are derived from the ontology and tested for logical consistency



Open Forum

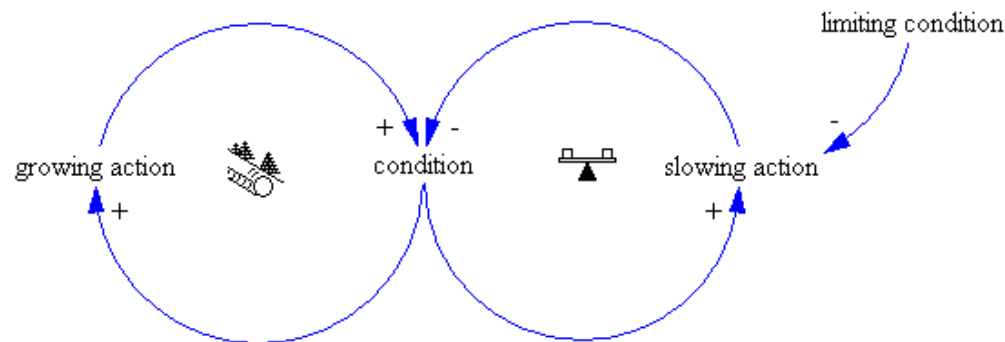
- Formal Requirements.
- Formal Decidable Semantics
- **Dynamics System Testing**
- Concurrent Legal and Financial Evaluation and Global Take-Up
- Concurrent Outreach.

Money Dynamics Simulation

Illustrate and demonstrate the independent effect of different financial “Rules” to determine the dynamic behaviour of any given financial system (ontology) using a “Money Dynamics Simulation”.

Money Dynamics Simulation

- Rules may be logically consistent but not necessarily fair and just as required by Law.
- The dynamics of combining rules may create self propagating processes or limits not conceived in a given ontology.



Open Forum

- Formal Requirements.
- Formal Decidable Semantics
- Dynamics System Testing
- **Concurrent Legal and Financial Evaluation and Global Take-up**
- Concurrent Outreach.

Concurrent Legal/Financial Analysis And Outreach

- The Legal and Financial Experts Work Groups follow and analyse the impact and consequences of all documented scenarios (use cases), ontology findings and money systems dynamics.
- issue periodic Bulletins, Approved Reports and Recommendations as well as maintain public advisories.
- Issue a first ever valid common formal definition of money.

Open Forum

- Formal Requirements.
- Formal Decidable Semantics
- Dynamics System Testing
- Concurrent Legal and Financial Evaluation and Global Take-up
- **Concurrent Outreach.**

Concurrent Outreach/World Wide Uptake

The Outreach Work Group will continuously invite and inform all target communities and the public of all Approved Bulletins, Reports and Recommendations and initiate comprehensive activities to ensure a constructive non-belligerent uptake of all results world wide.



Guaranty of Success

Any Answer to the core question = “Success”

- Success = Any answer to : “What is the **exact** technological role of money and how can that role be specified in a logically valid and coherent fashion both laypersons and experts can understand?”
- Legal imperative to facilitate disambiguation gives credibility to any non-partisan **open** forum and discredits entities that boycott particularly those who author contracts.
- Rational non Partisan nature of the process precludes conflict with Public Policy Makers.

A Cause to Enable All Cause

Once money has been made technically and legally coherent, all issues and causes gain unprecedented clarity so that Justice and the Rule of Law can be better served in the interest of all, rich or poor.

Thank You For Your Time

You are all invited!

For more information see

www.moneytransparency.com

Contact

marc.gauvin@moneytransparency.com