MLedger

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- MLedger is an Integrated Provenance, BLOCKCHAIN Security and Payments Platform.
- This document sketches out some elements of a design frame that guides the development of **MLedger** as a specific application of blockchain technologies to a particular supply chain context.
- Clar & AMGLV does this first by reflecting on four general **propositions** about supply chains and blockchain technologies. Our approaches and lessons are generalisable to the extent that they provide conceptual and practical tools to help frame the design and deployment of technologies in the name of better social-ecological and economic outcomes in a broad range of contexts.

- Propositions:

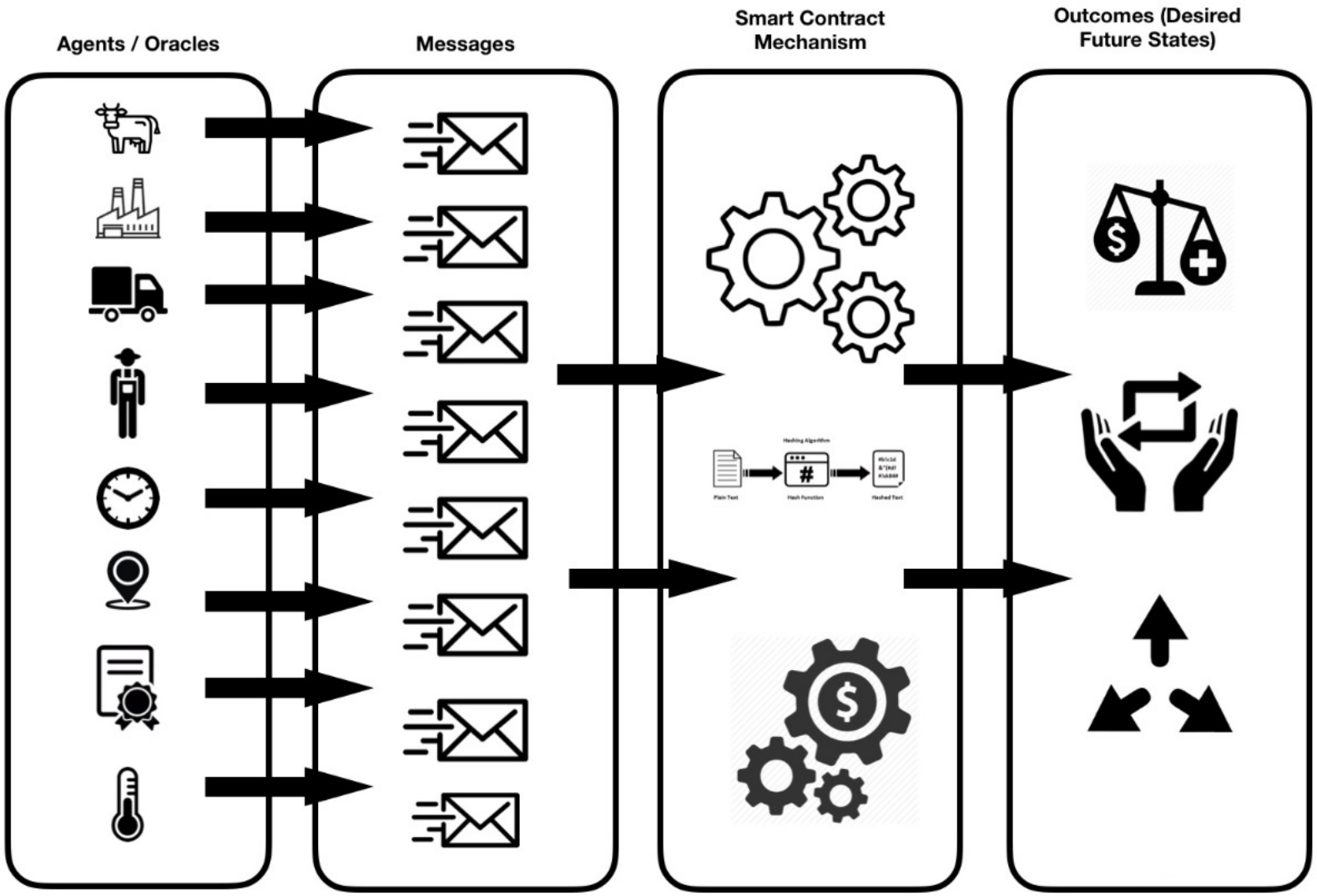
1. **Supply chains** in complex financialised economies largely do not presuppose trust to function.

2. The deployment of blockchain technologies in supply chain ecosystems is not about instituting trust. This is unnecessary. Instead, it is about **increasing dependability in conditions of zero trust (at best) and distrust/mistrust at worst.**

3. Informational dependability is not about the truth in any epistemological sense. Rather, it is about **establishing a body of common knowledge** upon which actors can go about their business wherein the downside risks of action taken based on asymmetric information relations are mitigated.

4. Transparency is not a precondition of trust. It is the reverse. **Transparency is a condition of the existence of dependability in conditions of zero trust.** Where there is trust, transparency is no longer necessary.

Mledger Supply Chain



Supply Chain flows in a financialized system

SUPPLY CHAIN FLOWS AND REPRODUCTION CIRCUITS

M = Money
C = Commodity
P = Production

L = labour
MP = Means of Production
I = Information

Modules

1. Actions:

    a. View Wallet Info
    b. Add New Member
    c. Remove Member
    d. Change Signing Requirements
    e. Set Contracts
    f. View Pending Transactions
    g. View Approved Transactions
    h. ERC721 Grouping

Modules

2. Company Actions:

    a. View Companies
    b. Create Company
    c. Set Companies

3. My Company Actions:

    a. View My Company
    b. Add New Company Member/Signer

Modules

4. Manage & Track Assets

a. Register Asset(s)
b. Pick Up Asset(s)
c. Upload Asset Measurement Via <file interface>
d. View Company ERC721 Tokens
e. View Company resources
f. View Company-related Events.


Thank you