Federated Data Architectures
Michiel de Jong
post-growth entrepreneur

@ Ponder Source
1. MONEY
2. DEGROWTH
3. FINTECH
4. BOOKKEEPING
5. E-INVOICING
6. LOGISTICS
7. VOFB
1. MONEY
Money for Rational Agents
Unit of Value
Means of Exchange
Store of Value
Same-day exchange

Buy-then-Sell

Sell-then-Buy
Money for Cooperating Agents
Throttle consumption

Signal Demand

Group Action
2. DEGROWTH
BUY LESS CRAP
OUR GAMIFIED LIVES
Milton Friedman
Shareholder Primacy
Milton Friedman
DISCONNECTION
I DO
WHAT I
CAN
80,000 HOURS
I TAKE
WHAT I NEED
DON’T SWAP

JUST

SHARE
PROPERTY
IS JUST
A CONVENTION
PAYMENT IS JUST DATA
PAYMENT IS PERSUASIVE DATA
REVERSE-ENGINEER
HUMAN
BEHAVIOUR
NUDGE OUR HABITS
MONEY is Ancient
WE CAN DO BETTER
STREAMLINE OUR PROCESSES
RECONNECT

OUR

VALUE LOOPS
3. FINTECH
Anonymous Currency
BUBBLE TECH
MULTI
HOP
MONEY TRANSFER
MONEY IS PERSUASIVE DATA
FEDERATED BOOKKEEPING
4. BOOKKEEPING
<table>
<thead>
<tr>
<th>CATEGORY</th>
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<tbody>
<tr>
<td>CHILD SUPPORT</td>
</tr>
<tr>
<td>DAYCARE</td>
</tr>
<tr>
<td>KIDS ACTIVITIES</td>
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<tr>
<td>HOUSEHOLD</td>
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<td>TOILETRIES</td>
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</tbody>
</table>
Local Economic Trade System
JUST CANCEL YOUR OWN DEBTS AND CREDITS
BOOKKEEPING WITH EVENTUAL PAYMENT
PAYMENT AS BANKRUPTCY
5. E-INVOICING
E-invoicing removes most of the invoice handling steps, both for the supplier and customer.
Let's Encrypt

Free SSL For All

https://www.yourdomain.com.com
Earn-to-give

Let’s Peppol!
Peppol is open

Peppol is great

But …
Avoiding Man-in-the-Middle Attacks
AS4-Direct
Self-hosted identities
BILLING

API

INTEGRATIONS
BOOKKEEPING INTEGRATIONS
INSTEAD OF MICRO-BOOKKEEPING

INSTEAD OF MICRO-PAYMENTS
6. LOGISTICS
COLLABORATIVE INVOICE COMPOSITION
AUTOMATIC

ORDERS
PRODUCTION

TRIGGERS
CROWDFUNDING
7. VOFB
VIRTUAL ORGANIZATIONS
VIRTUAL ORGANIZATIONS

+ FEDERATED BOOKKEEPING

= ?
CONDITIONAL COMMITMENTS
GROUP COORDINATION
LEADERLESS PROJECTS
ALGORITHMIC CONSENSUS TRIGGERS
THANK YOU!

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