

Family Home → S.S.S.L.S

Electricity

Food

Energy

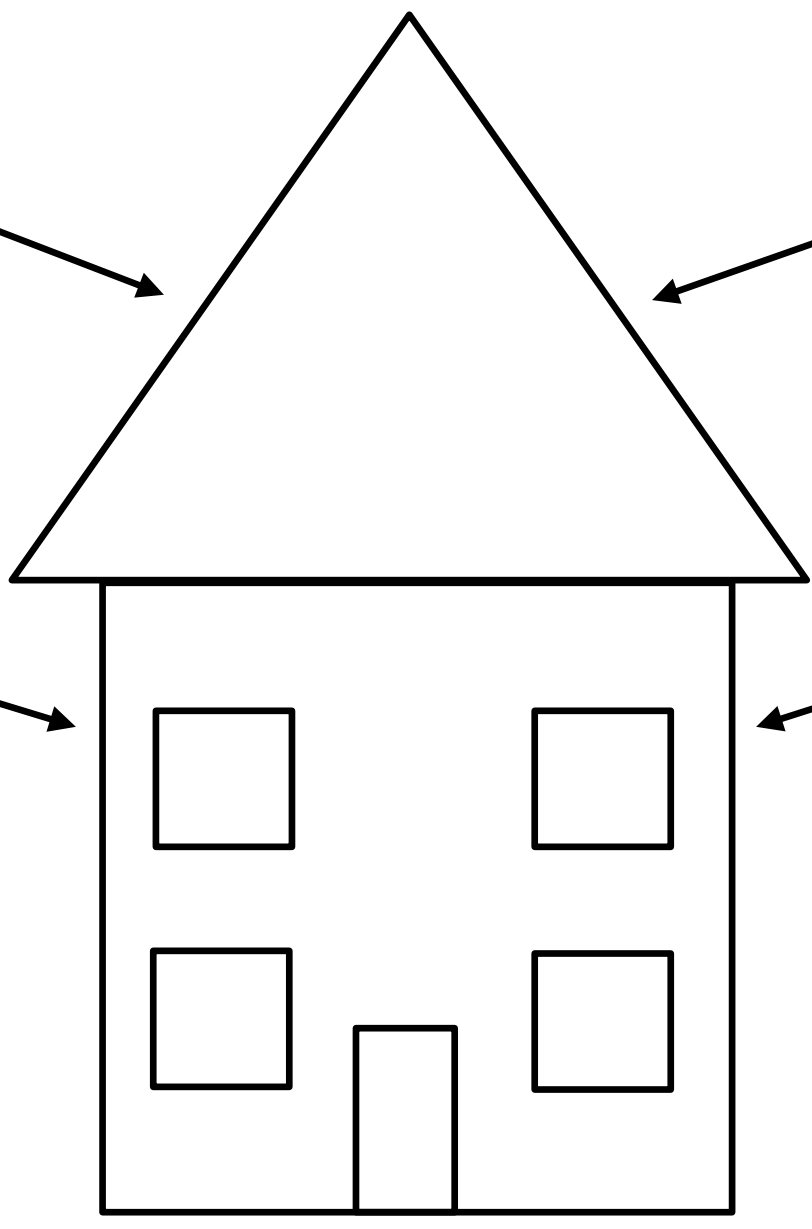
Seeds

Water

Products

H₂O

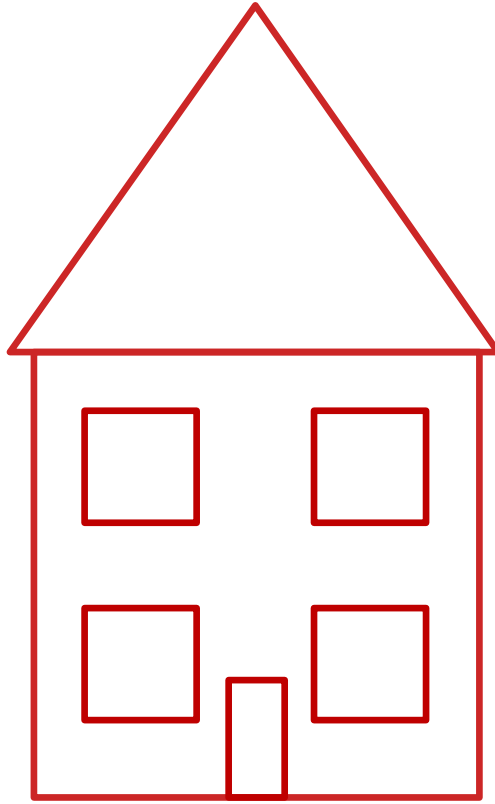
Tools



Waste

Materials

Family Home



Demand Side

- Electricity bill
- Water bill
- Waste bill
- Food bill
- Product cost

Producers:

- State Entities
- Private Corporations

Economic Conditions:

- Monopolies
- Duopolies
- High Entry Barrier

Supply Side

- Job(work)



Providers:

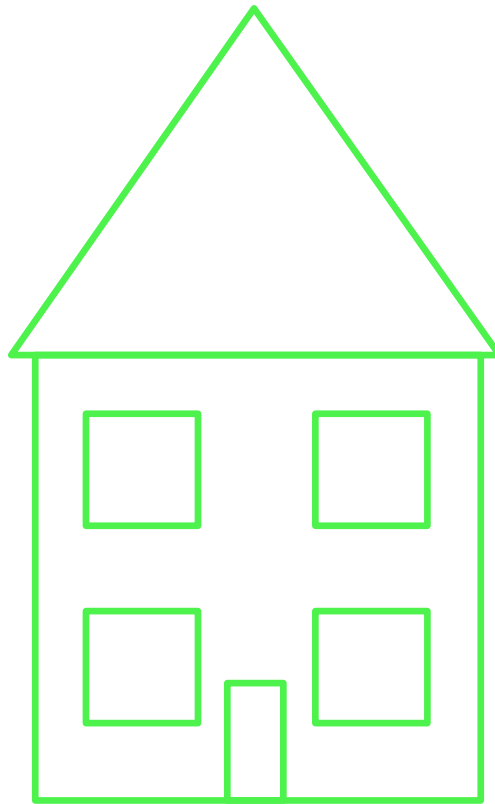
- Banks
- Investors

Economic Results:

Debt



S.S.S.L.S



Demand Side

- Energy
- H2O
- Materials
- Food
- Tools

Producers:

- Households
- Communities

Economic Conditions:

- Circular
- Peer2Peer
- No Entry Barrier

Supply Side

- Energy
- H2O
- Materials
- Food
- Tools

Providers:

Distributed Ledger
Technologies

Economic Results:

Data



Energy

- Solar
- Wind
- Hydro
- Thermal
- Gas
- Manual

H2O

- Botanical Cells
- Biological Treatment
- Ultra Filtration
- Reverse-osmosis

Materials

- Collection
- Separation
- Extraction
- Chemistry-Base
- Raw Materials

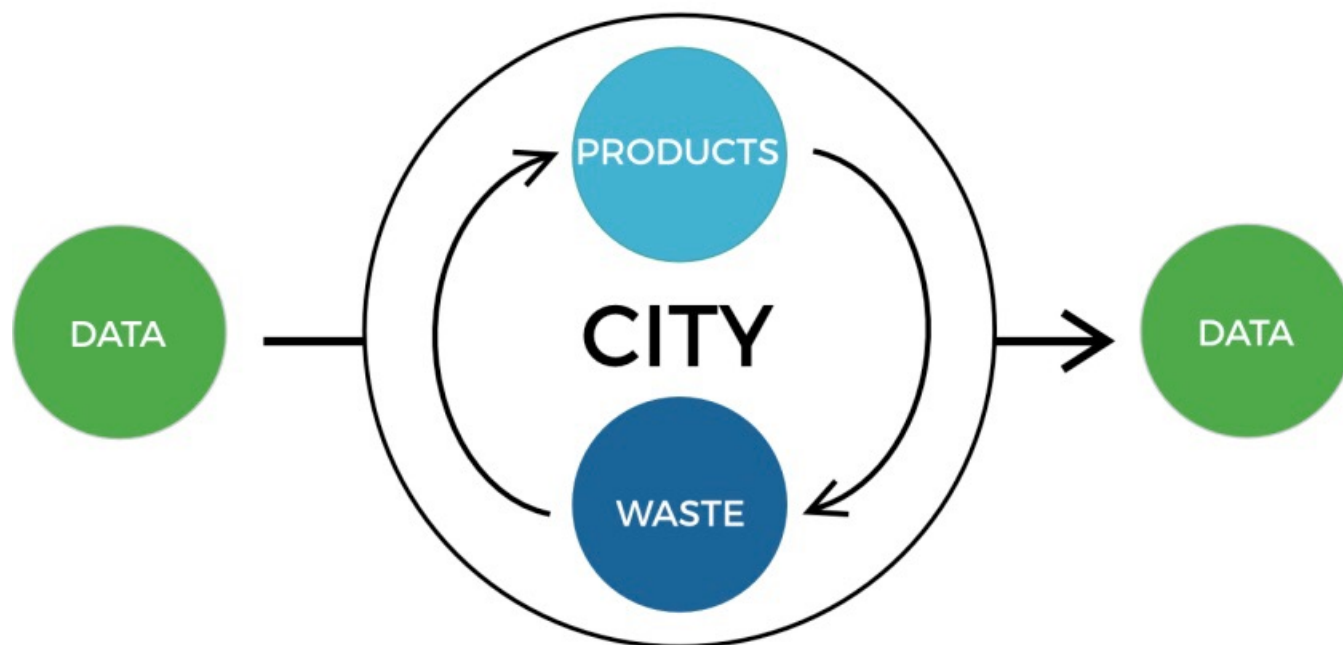
Seeds

- Farming
- Green Houses
- Hydroponics
- HydroCulture
- Aquaponics
- Horticulture

Tools

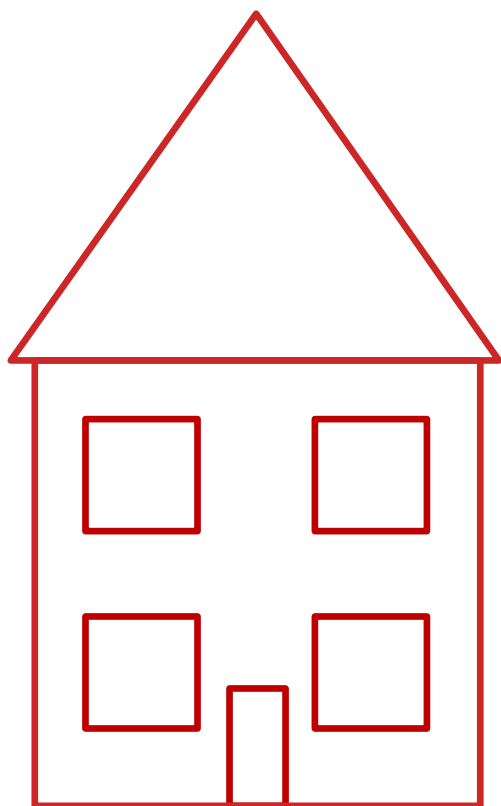
- Producing
- Remanufatuing
- Renewing
- Regenerating

Circular Blockchain

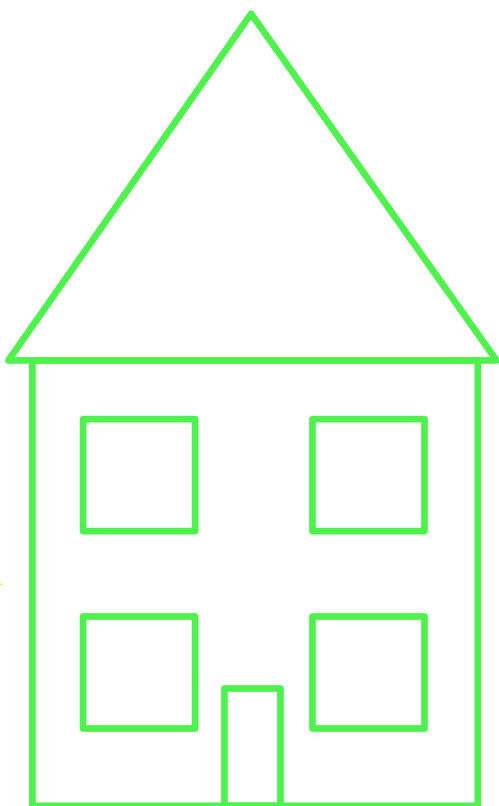


Globally Created, Locally Manufactured

Family Home



S.S.S.L.S



Consuming Electricity
Consuming Water
Producing Waste
Consuming Food
Consuming Products

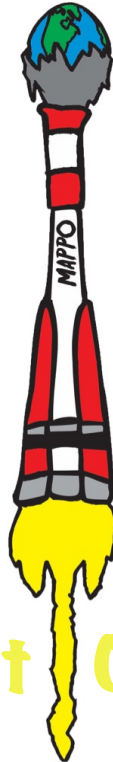


Producing Energy
Treating Water
Extracting Materials
Growing Food
Making Products

Home Energy Hub
(HEH)

Production Tool Hub
(PTH)

Water Treatment Hub
(WTH)



Rocket OS

Materials Processing Hub
(MPH)

Food Management Hub
(FMH)

MappoNetwork

Market Network

MappoNetwork

Participants:

$X = \begin{matrix} \text{Supplier} \\ \text{Employer} \end{matrix} \Rightarrow \begin{matrix} \text{Consumer} \\ \text{Employee} \end{matrix} = Y$

Modeling:

Take = Raw Materials

Make = Linear Products

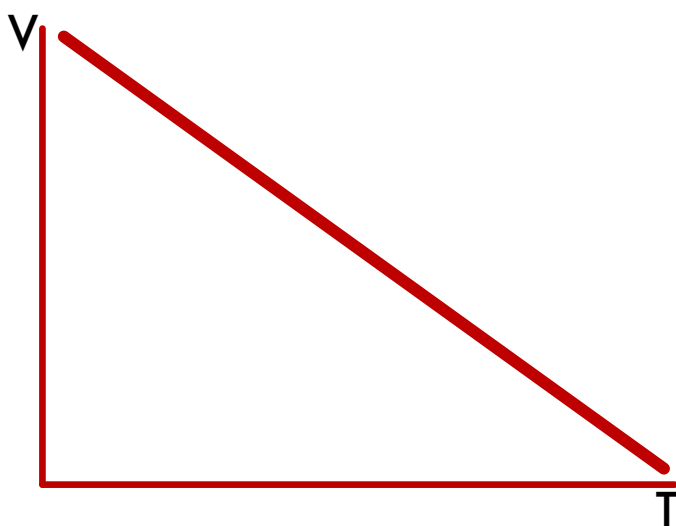
Waste = "Trash"

Value Chain:

Value

Less Value

No Value



Participants:

$X = \begin{matrix} \text{Supplier} \\ \text{Consumer} \end{matrix} \rightleftarrows \begin{matrix} \text{Consumer} \\ \text{Supplier} \end{matrix} = Y$

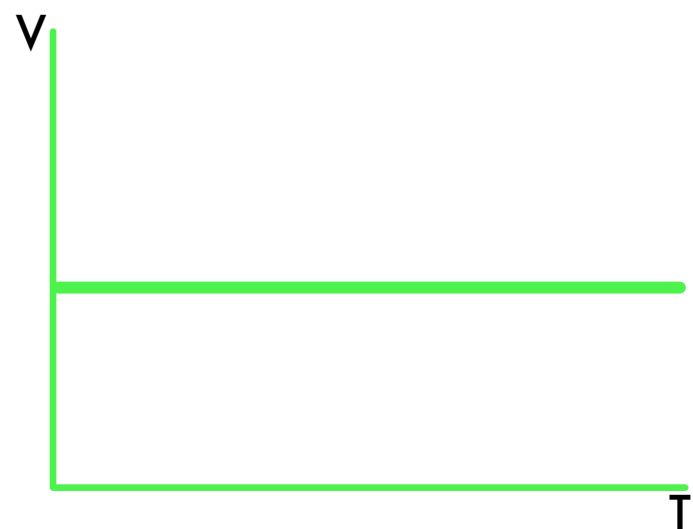
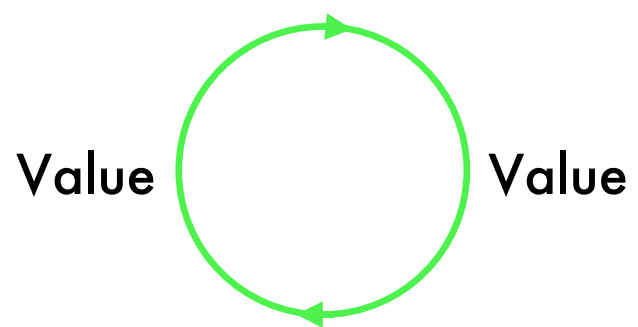
Modeling:

Take = Raw Materials

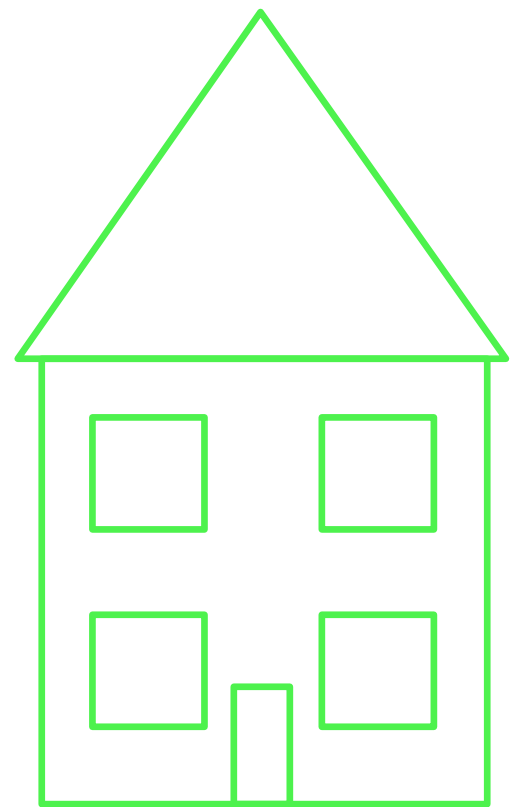
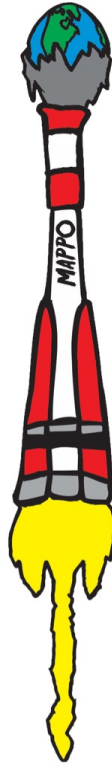
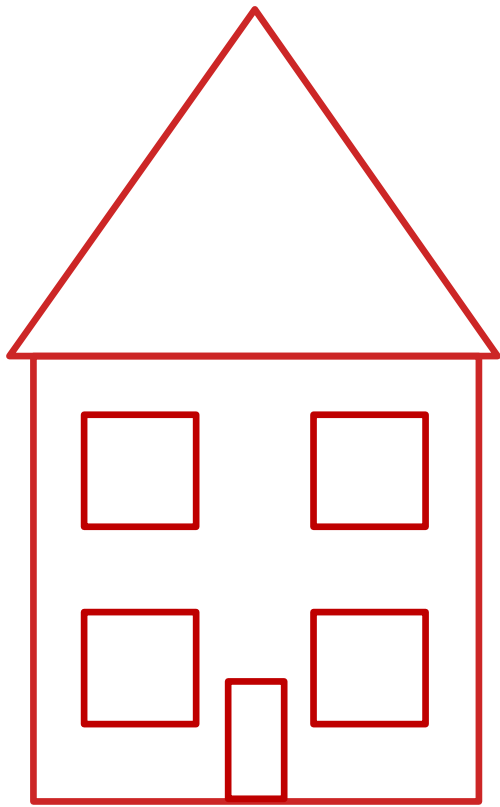
Make = Circular Products

Waste = Materials

Value Cycle:



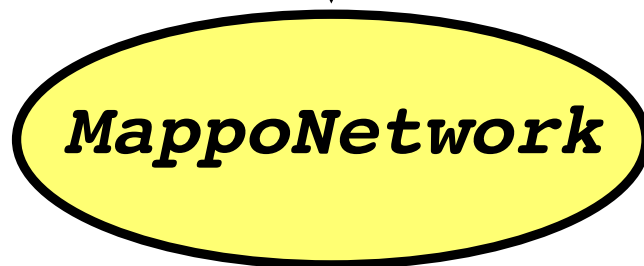
V = Value
T = Time



Input:

Output:

Energy Cost	←	Energy Stock	←	Energy Producers
Water Cost	←	Water Stock	←	Water Producers
Food Cost	←	Food Stock	←	Food Producers
Product Cost	←	Materials Stock	←	Materials Producers



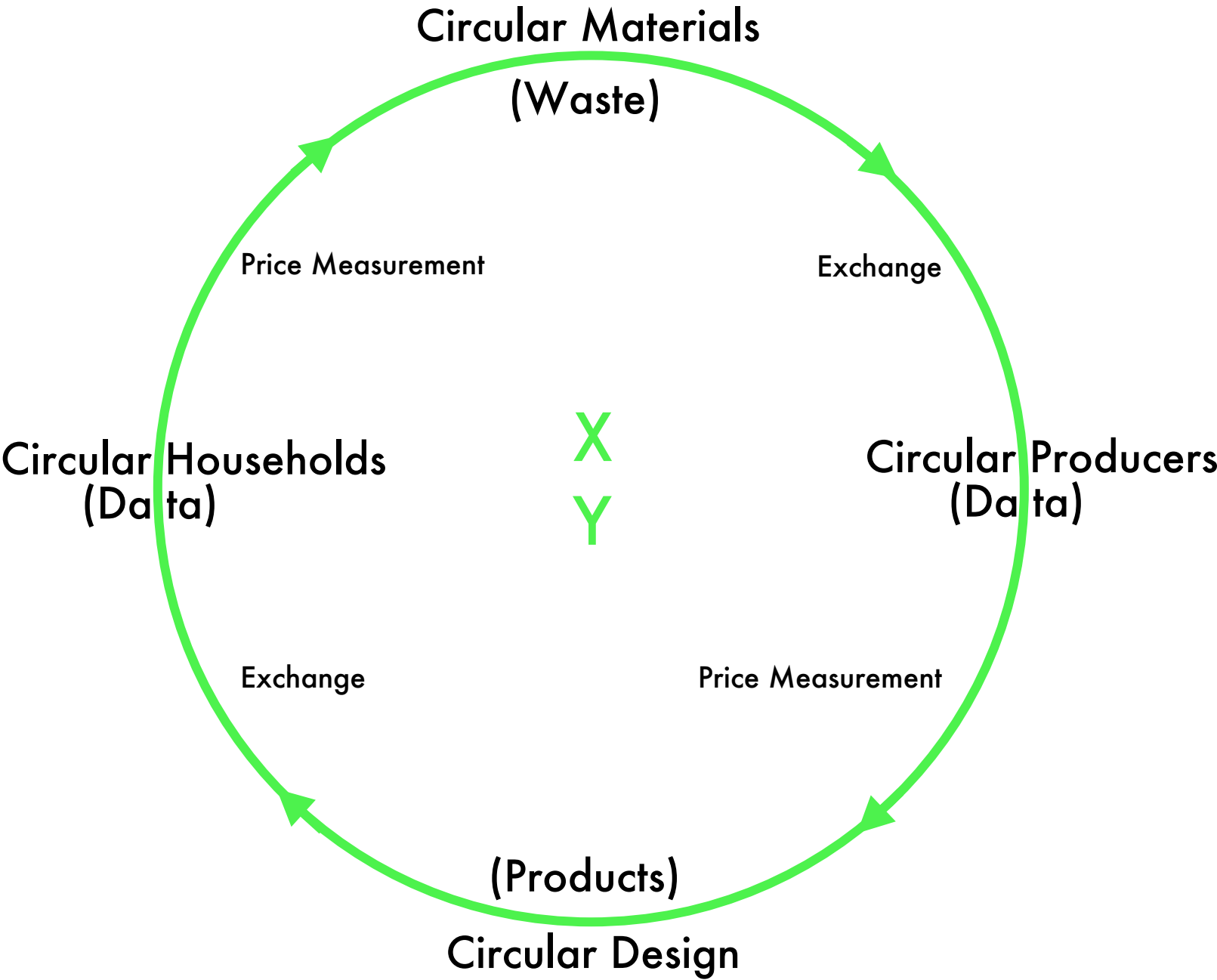
Price Measurement

- Cryptography

Exchange

- Distributed Ledger Technology

Circular Blockchain



MAPPO