

2030 Modelling a plan for Sweden

- The economic and fiscal context
 - Money
 - Production
 - Work, Unemployment
 - Capital
 - Finance
 - Pollution
 - Property Ownership
 - Fees and taxes



Sustainable Development Goals



TRANSFORMING OUR
WORLD:
THE 2030 AGENDA FOR
SUSTAINABLE
DEVELOPMENT

1 NO
POVERTY



2 ZERO
HUNGER



3 GOOD HEALTH
AND WELL-BEING



4 QUALITY
EDUCATION



5 GENDER
EQUALITY



6 CLEAN WATER
AND SANITATION



7 AFFORDABLE AND
CLEAN ENERGY



8 DECENT WORK AND
ECONOMIC GROWTH



9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



10 REDUCED
INEQUALITIES



11 SUSTAINABLE CITIES
AND COMMUNITIES



12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



13 CLIMATE
ACTION



14 LIFE
BELOW WATER



15 LIFE
ON LAND

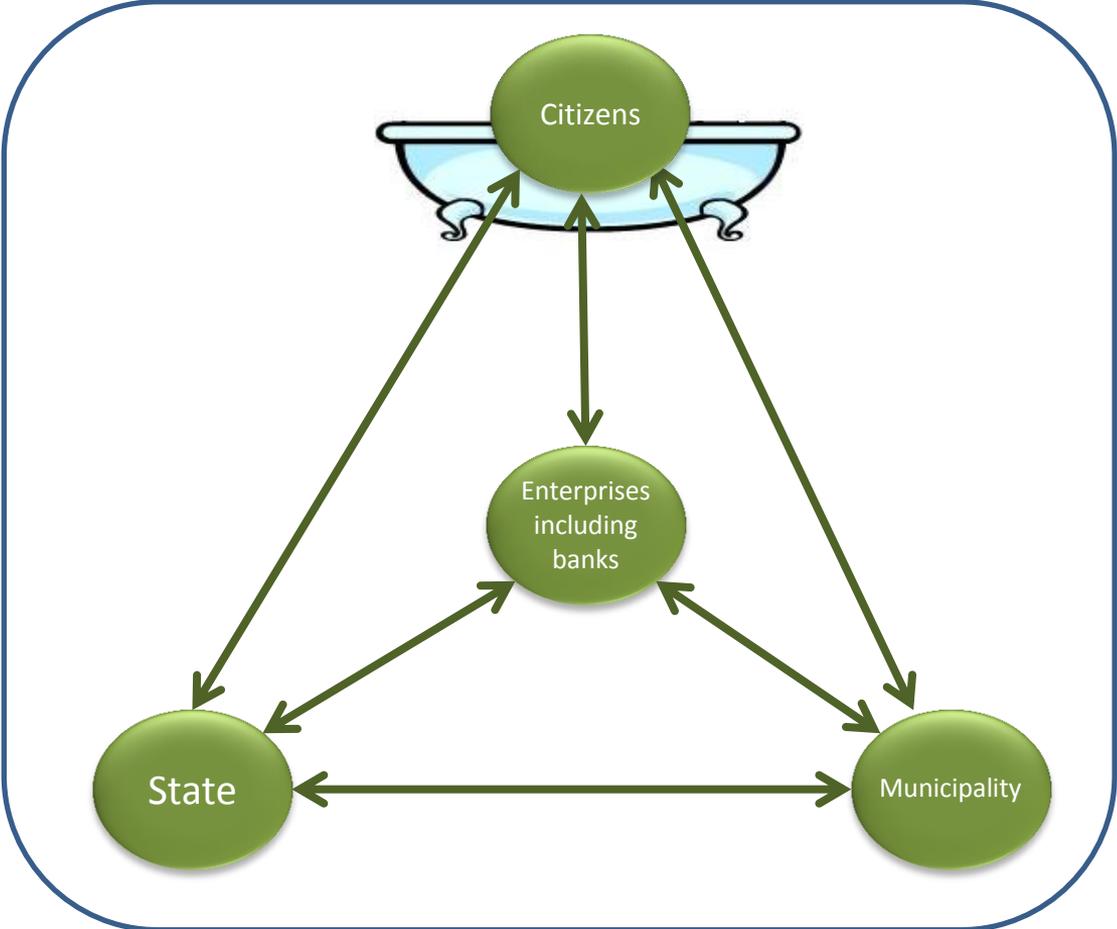


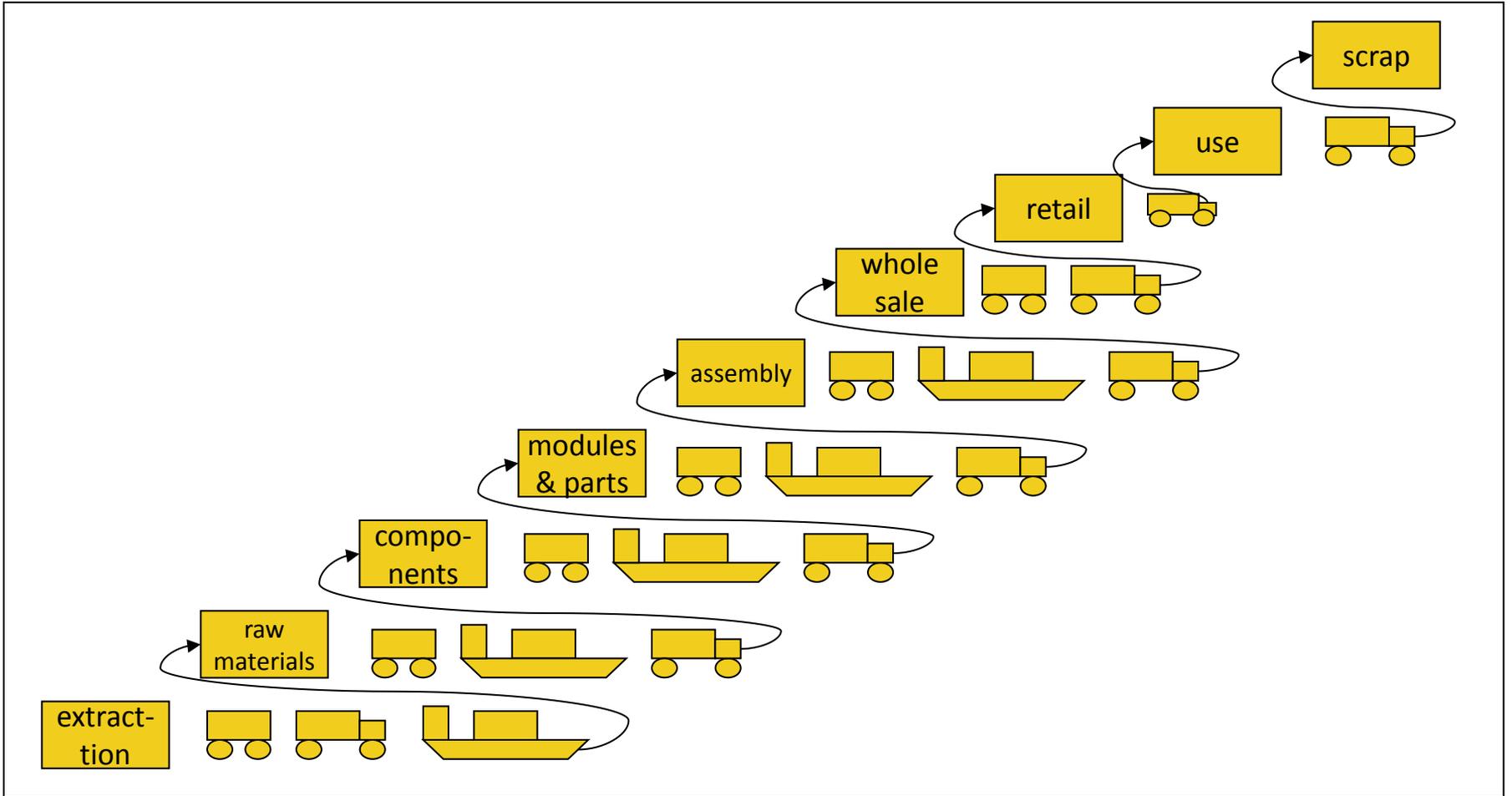
16 PEACE, JUSTICE
AND STRONG
INSTITUTIONS



17 PARTNERSHIPS
FOR THE GOALS







Even your breakfast egg

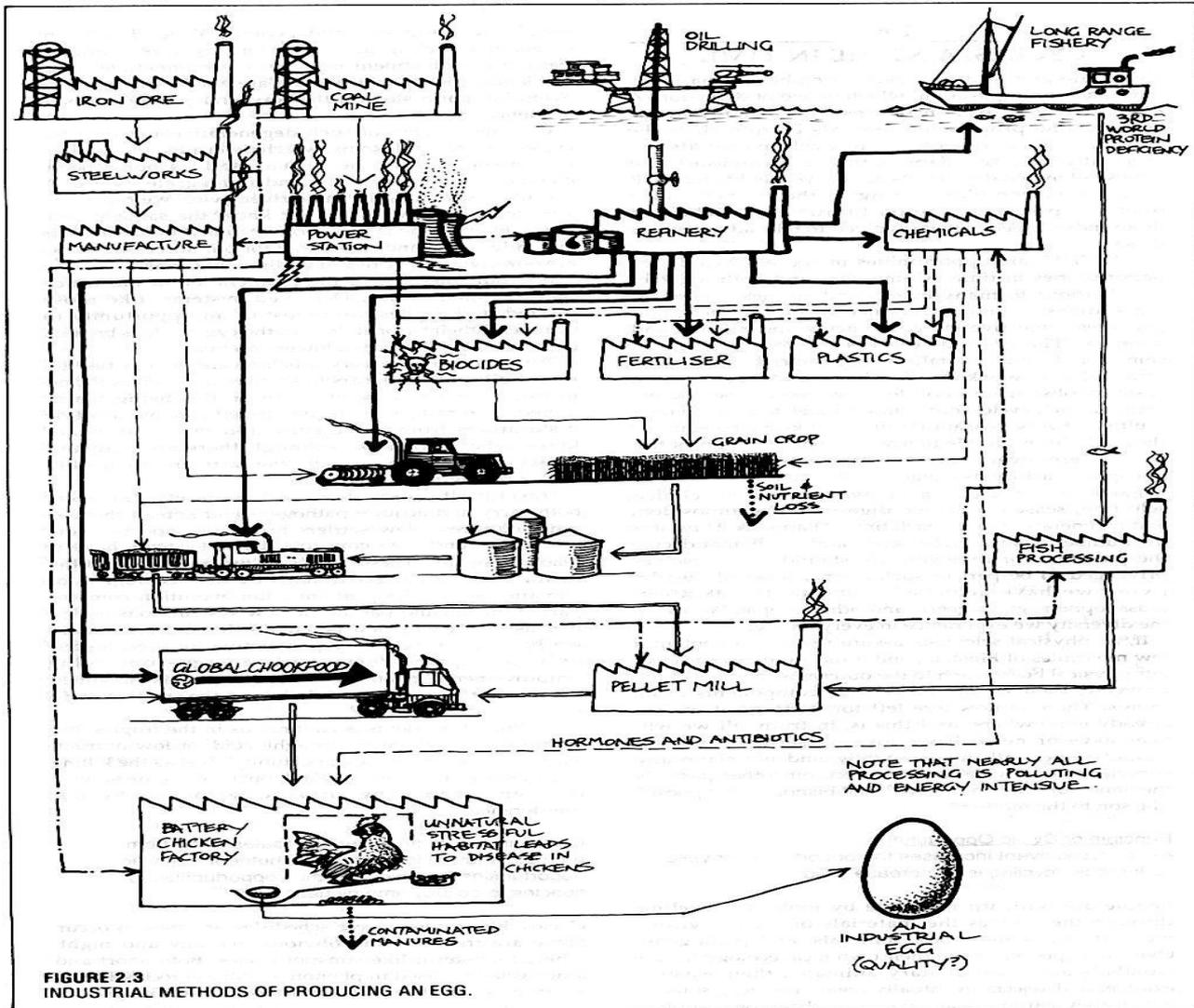


FIGURE 2.3
INDUSTRIAL METHODS OF PRODUCING AN EGG.

WORK

**NUTRIENTS:
TECHNICAL &
BIOLOGICAL**

CAPITAL

**SERVICE,
GOODS,
CAPITAL**

Congestion

Economies are like traffic: sometimes they perform poorly and accumulate things in the wrong amounts at the wrong times in the wrong places. Cars are what we want: traffic and pollution are what we don't want.

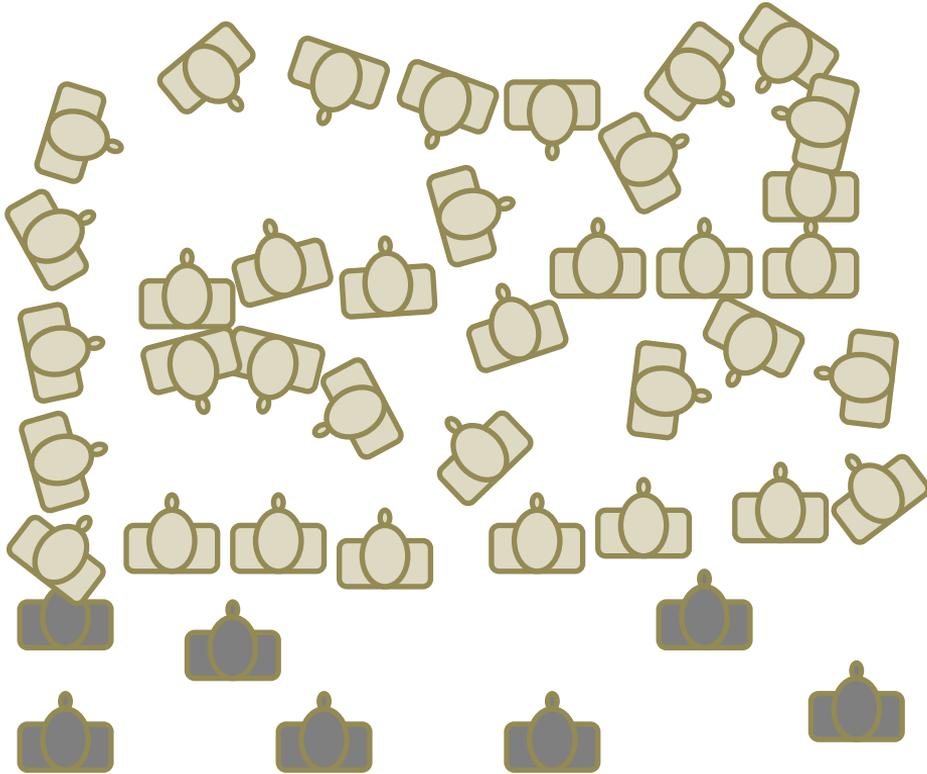
The challenge, then, is to design an eco-system of rules and payments to encourage good performance.

This is the essence of the circular economy.



**Materials pile up.
Good things get to be
too many in the wrong
place at the wrong
time
(A waste of resources)**

Unemployment



Unemployment is a kind of congestion: people accumulating outside the healthy flow of exchange of goods and services.

Unemployment is also underutilization of valuable resources.

Congestion puts a stress on people, organisations, and nature. The *symptoms* are clear to see, even if it feels like an impossible task to redress the imbalances

Capital:

- Infrastructure.
- Used in the provision of services.
- It is not itself consumed.

The kind of capital needed for the circular economy is one of social, human, ecological and built infrastructure.

We need to invest what we have to ensure the capital is in place to drive the circular economy in a stabilized way.

Land that functions as a mature ecosystem (i.e. retains nutrients) is useful capital.

CAPITAL

BUILT

- HOUSING
- NUTRIENT RECYCLING SYSTEMS
- TRANSPORT SYSTEMS
- INFORMATION SYSTEMS
- ENERGY SYSTEMS

HUMAN

- KNOWLEDGE AND SKILLS
- EDUCATION SYSTEMS

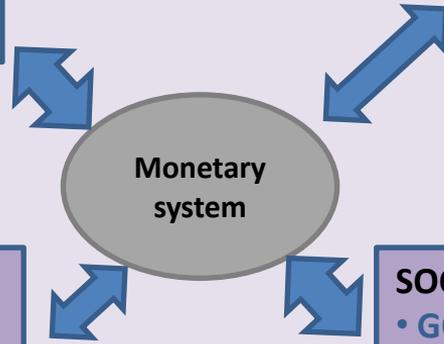
Monetary
system

NATURAL

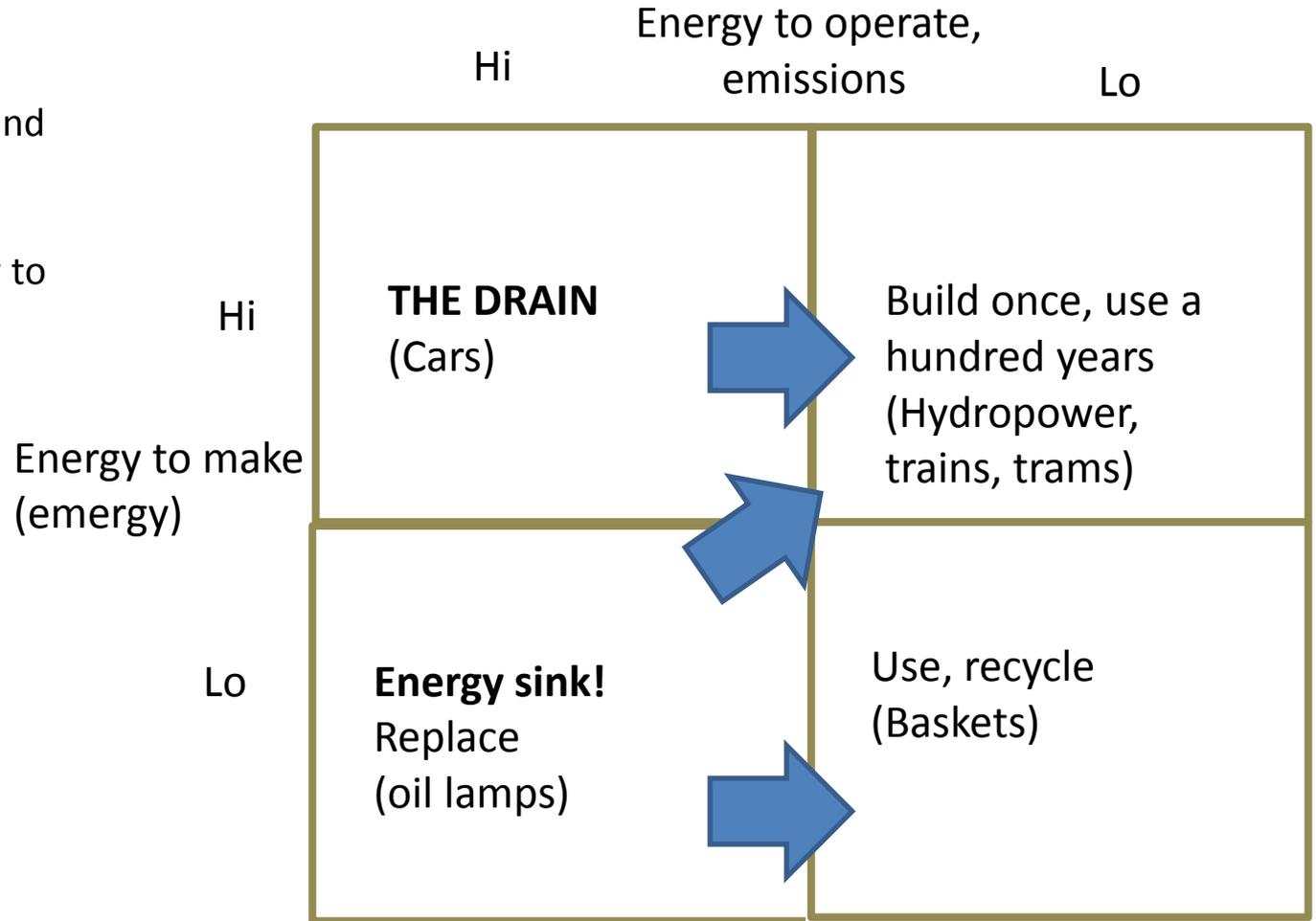
- SOIL DEVELOPMENT
- FOREST GROWTH
- WATER-SYSTEMS
- MINERALS

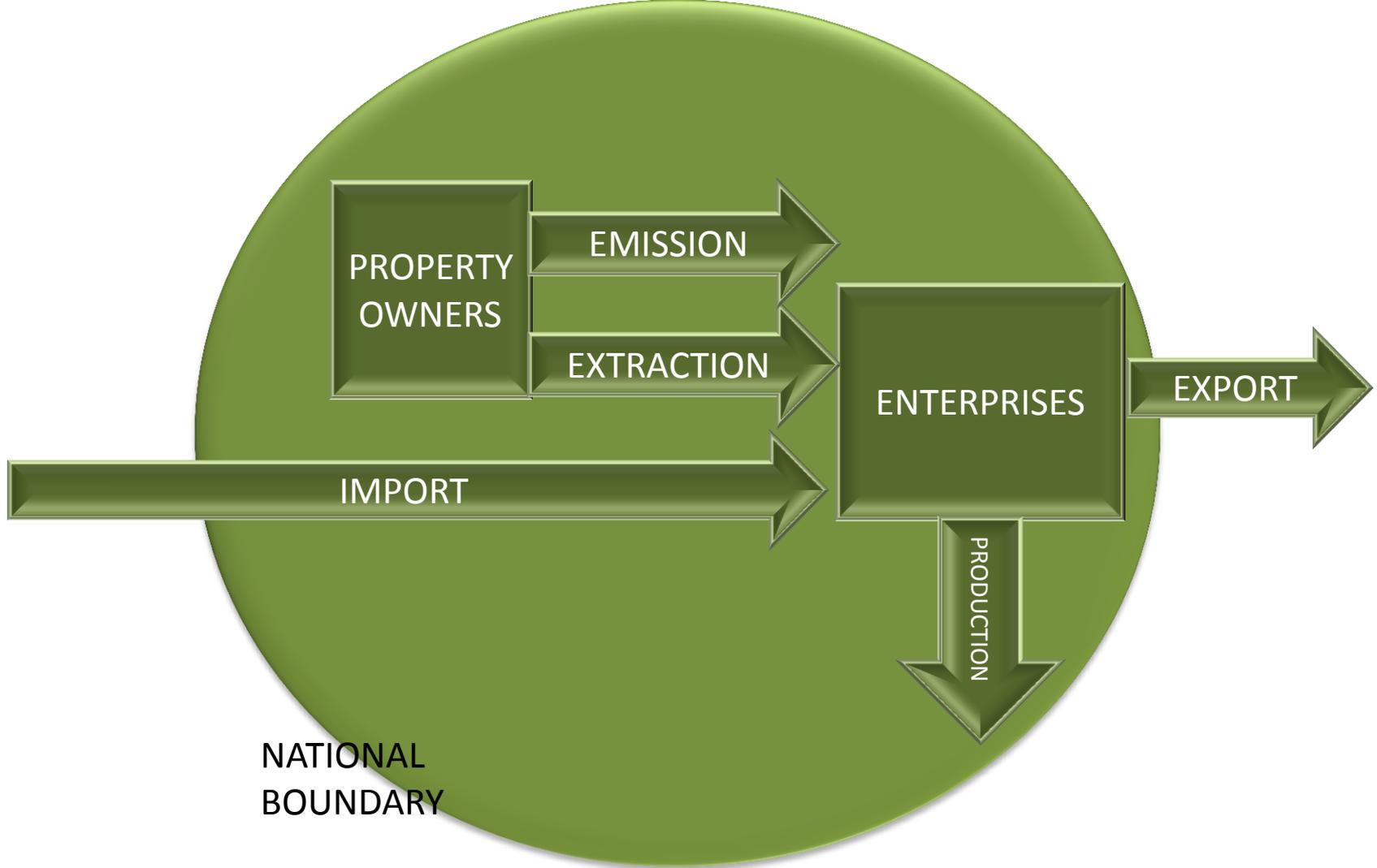
SOCIAL

- GOVERNMENTS
- LOCAL AUTHORITIES
- CORPORATIONS
- COOPERATIVES
- OTHERS



The trick is to have society invest in the kind of infrastructure that makes up the circular economy: low energy to operate and zero emissions





PROPERTY OWNERS

EMISSION

EXTRACTION

ENTERPRISES

EXPORT

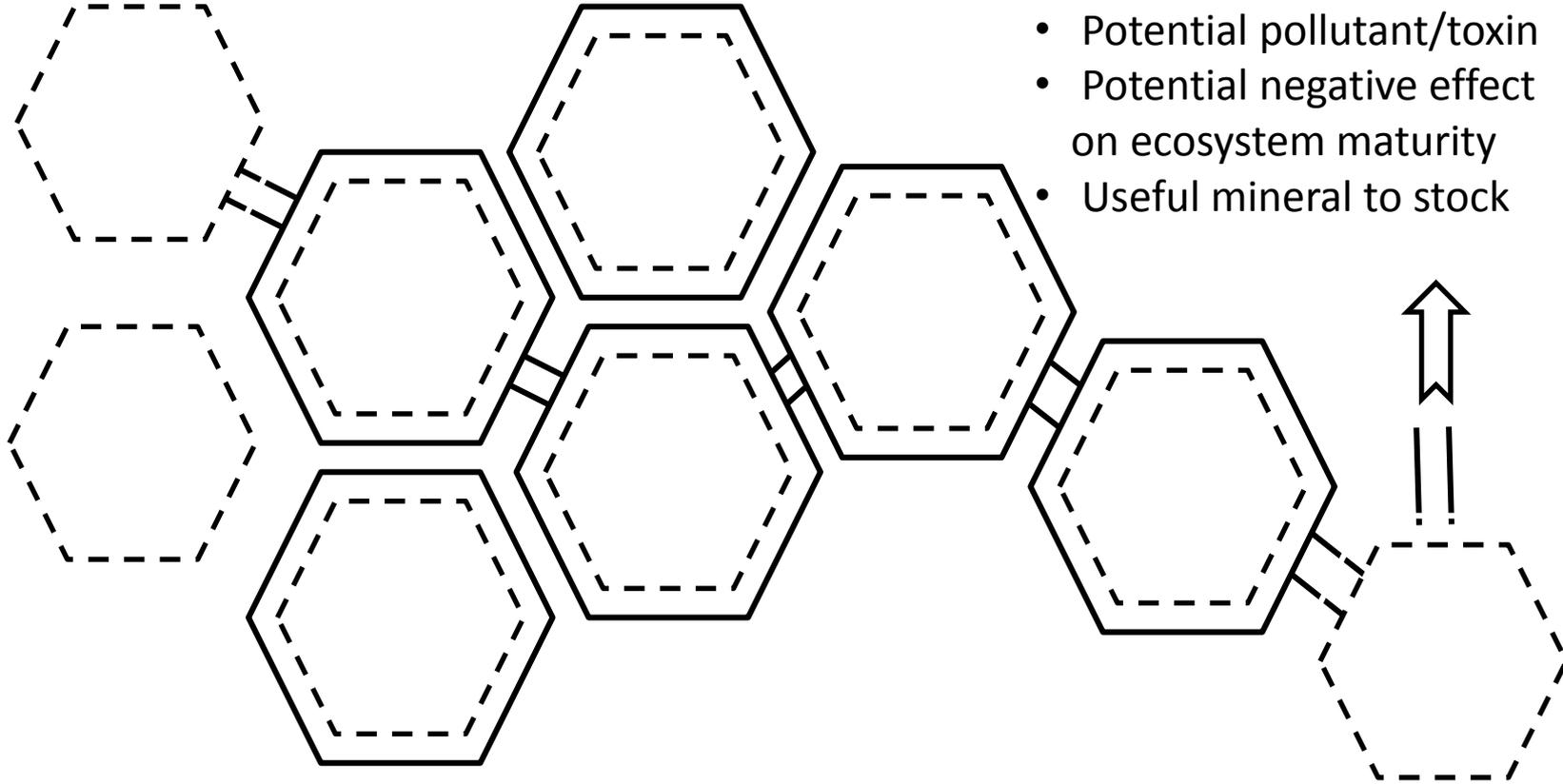
IMPORT

PRODUCTION

NATIONAL BOUNDARY

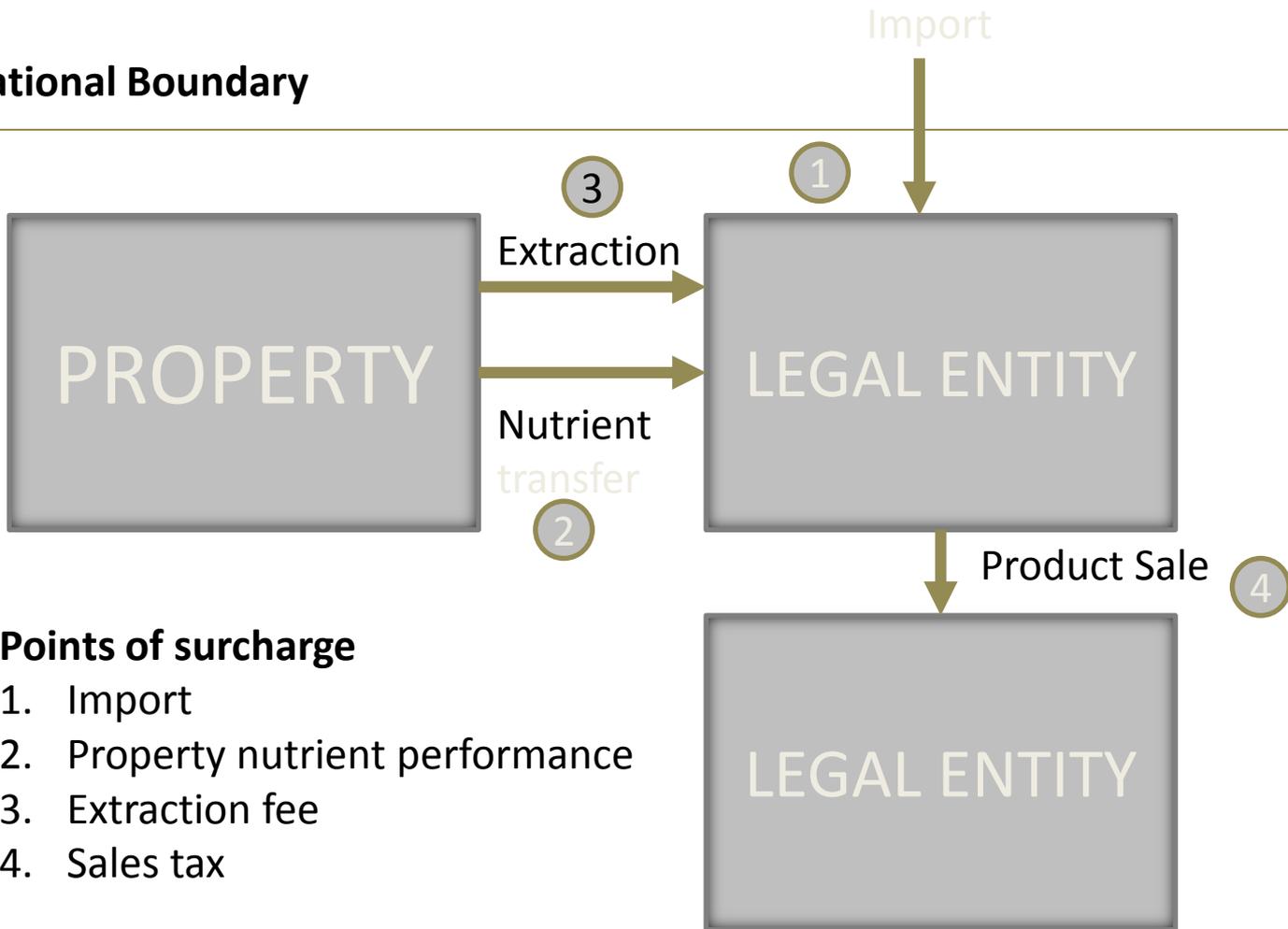
- Potential pollutant/toxin
- Useful mineral from stock

THE ECONOSPHERE
AND TECHNOSPHERE



- Potential pollutant/toxin
- Potential negative effect on ecosystem maturity
- Useful mineral to stock

National Boundary

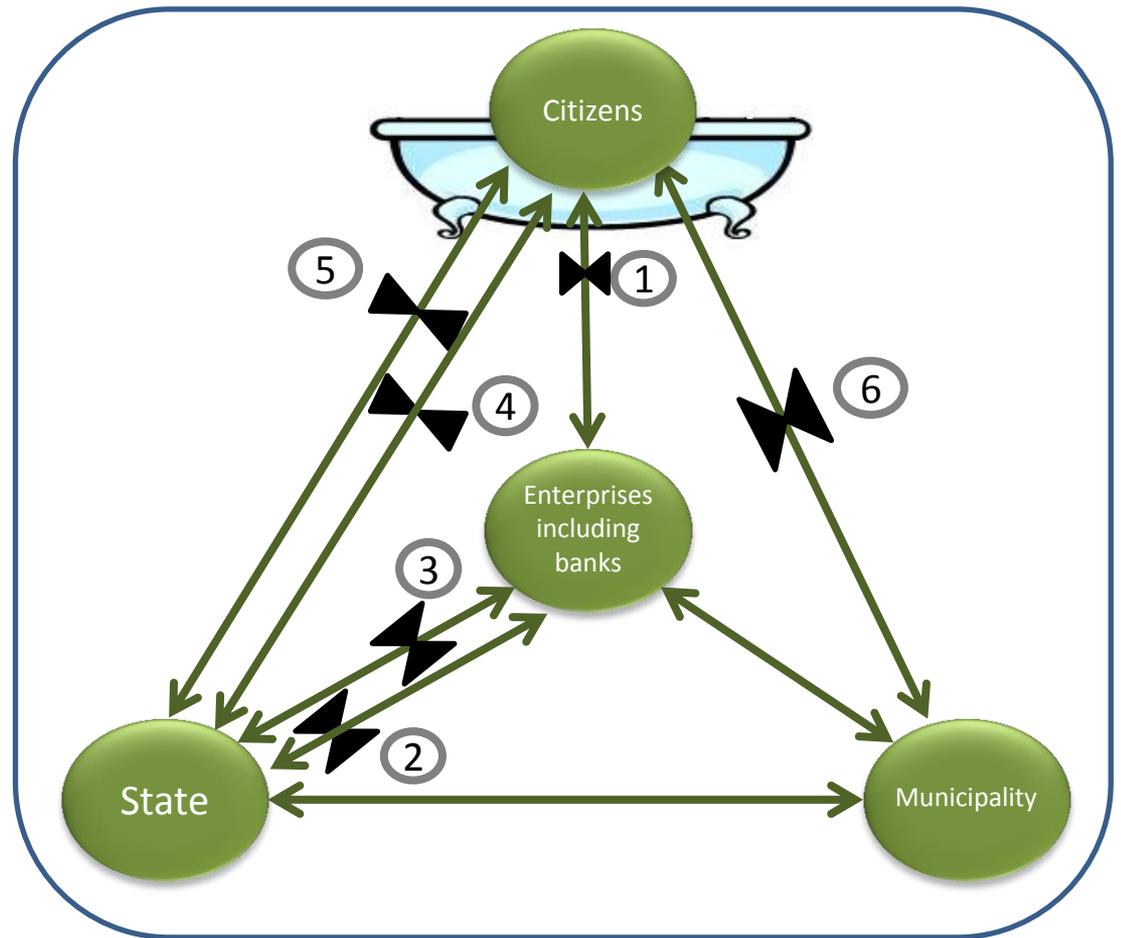


Points of surcharge

1. Import
2. Property nutrient performance
3. Extraction fee
4. Sales tax

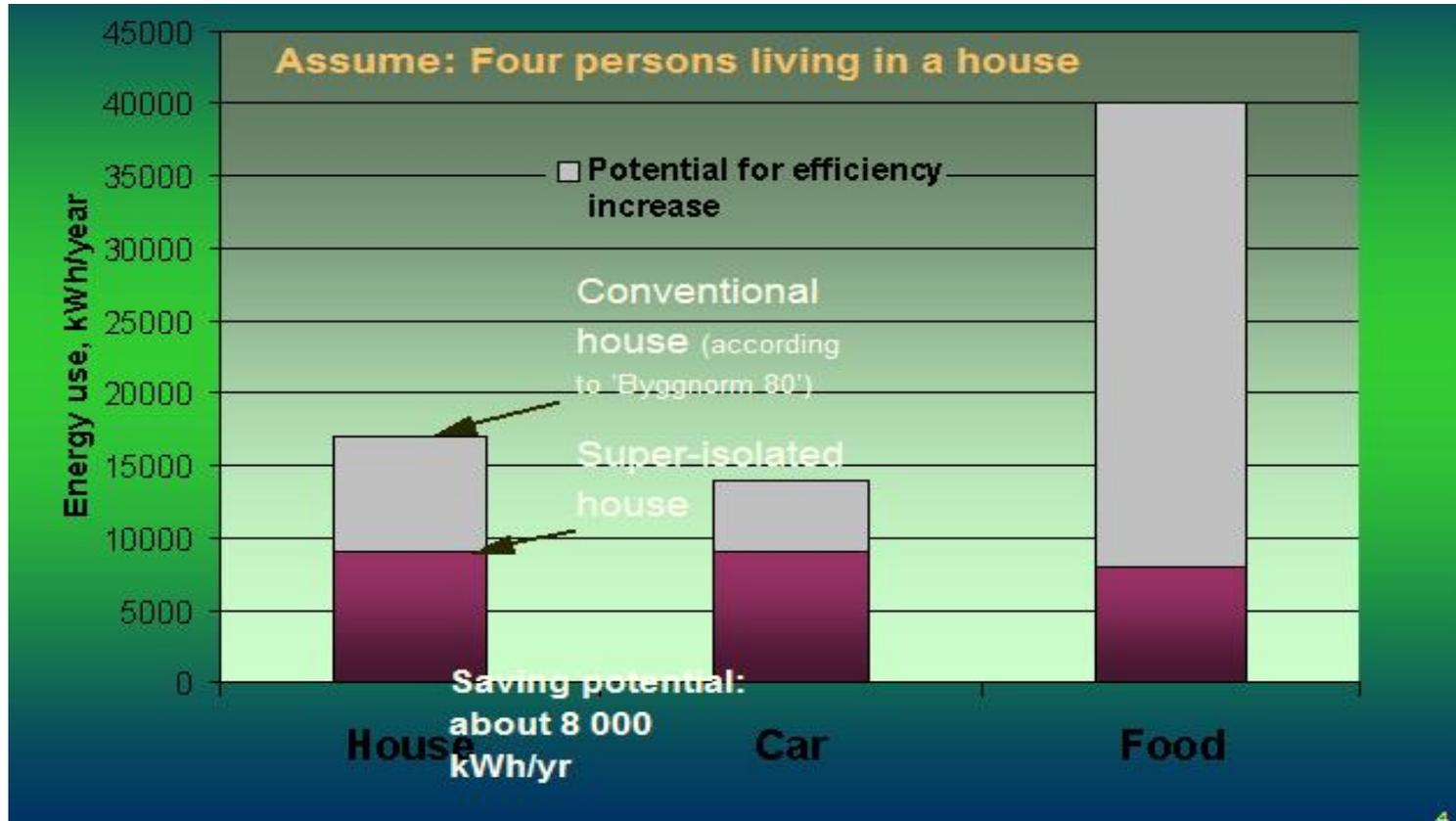
ATTENUATORS/Surcharges

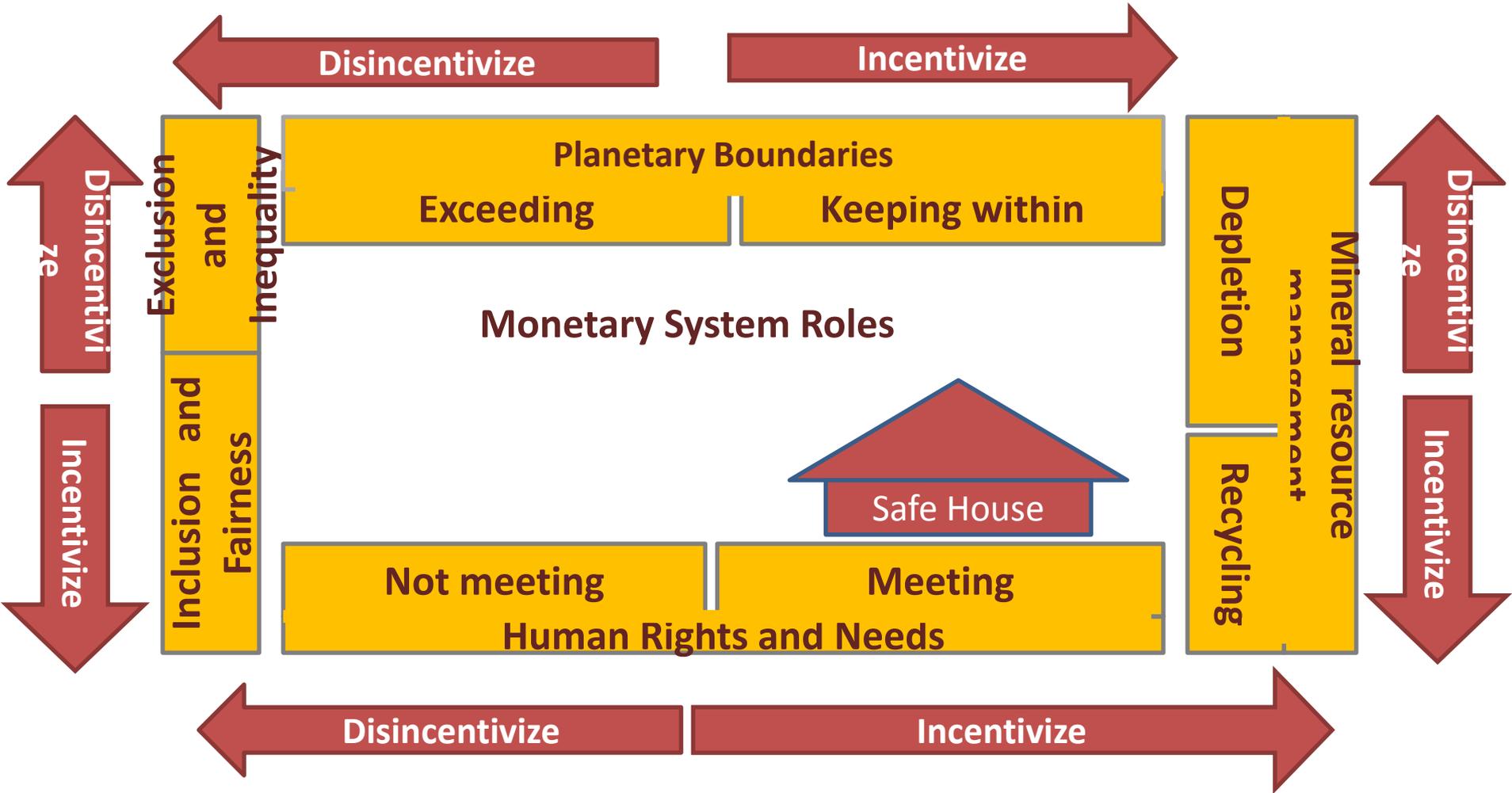
1. VAT RATE CHANGES
2. IMPORT FEE ON POLLUTANTS
3. INTEREST RATE FEE ON MORTGAGE
4. Dividend to citizens
5. Property deed transfer fees
6. Municipal charges



Complex systems are simple to control if you intervene at the right points

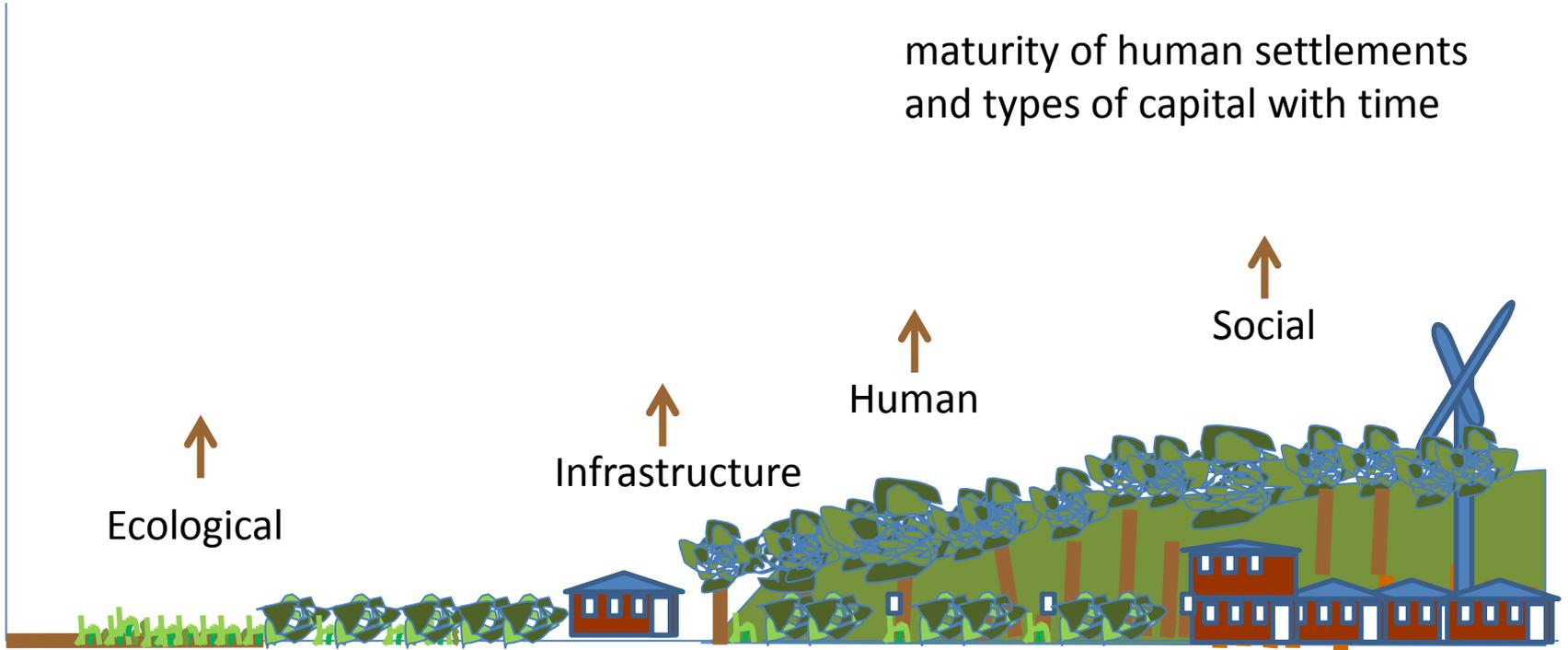
The largest energy saving opportunity is in food





maturity of human settlements
and types of capital with time

Maturity



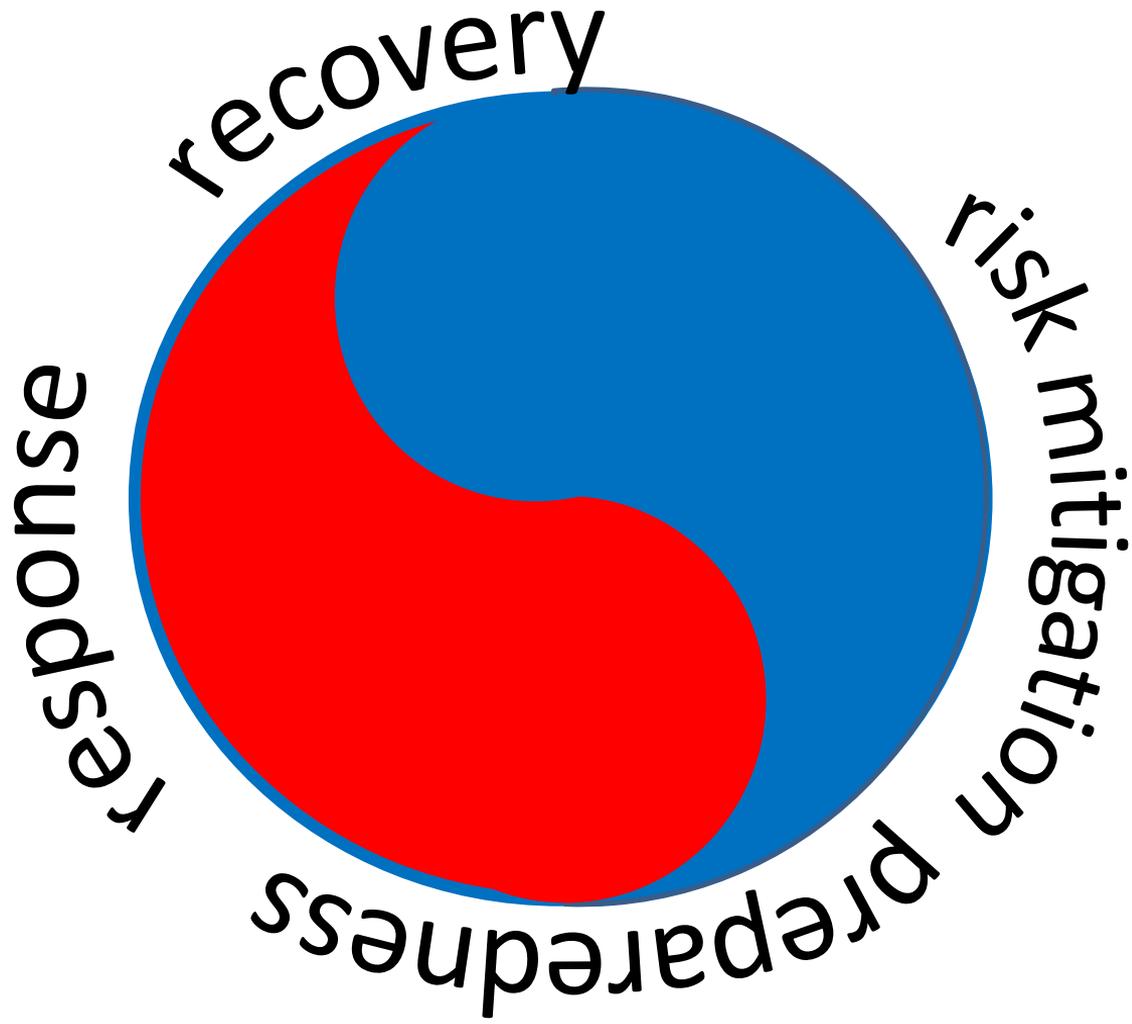
Time

Consumption products
Biological Nutrients



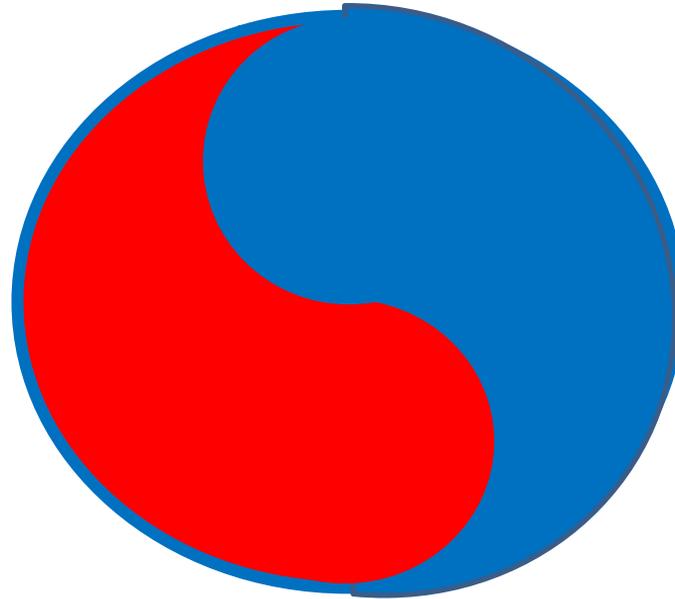
Service products
Technical Nutrients





DANGER CULTURE

Logic,
Take leadership
Goals,
Narrow focus
Closest family
Short term
Hierarchy
Clear Roles
Organisation
Danger focus
Quick decisions
Prepared for violence
Emergency medicine
Short term gains
Cannot prioritize everyone

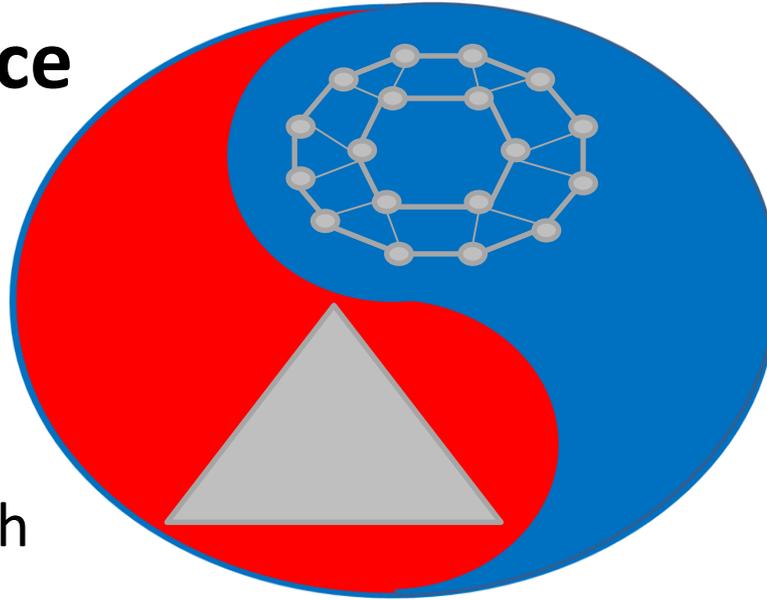


PEACE CULTURE

Holistic
Process not goal
Love
Deep healing
Forgiveness
Circles not hierarchy
Community
Humanity
Diversity
Long term
Everyone contributes
Children's best
Build infrastructure
Build preparedness

A culture that combines the need for preparedness and handling risk with creating a space for peace

Peparedness
Infrastructure
Organisation
Energy
Mental strength
Competence



Sustainability
Economy
Environment
Energy
Social

RESILIENCE