

Designing within Fictional Scenarios



HyperGarden

Hyper
Garden

Designer and gardener

Jonathan Looman / The Hague 1982



2008



2009

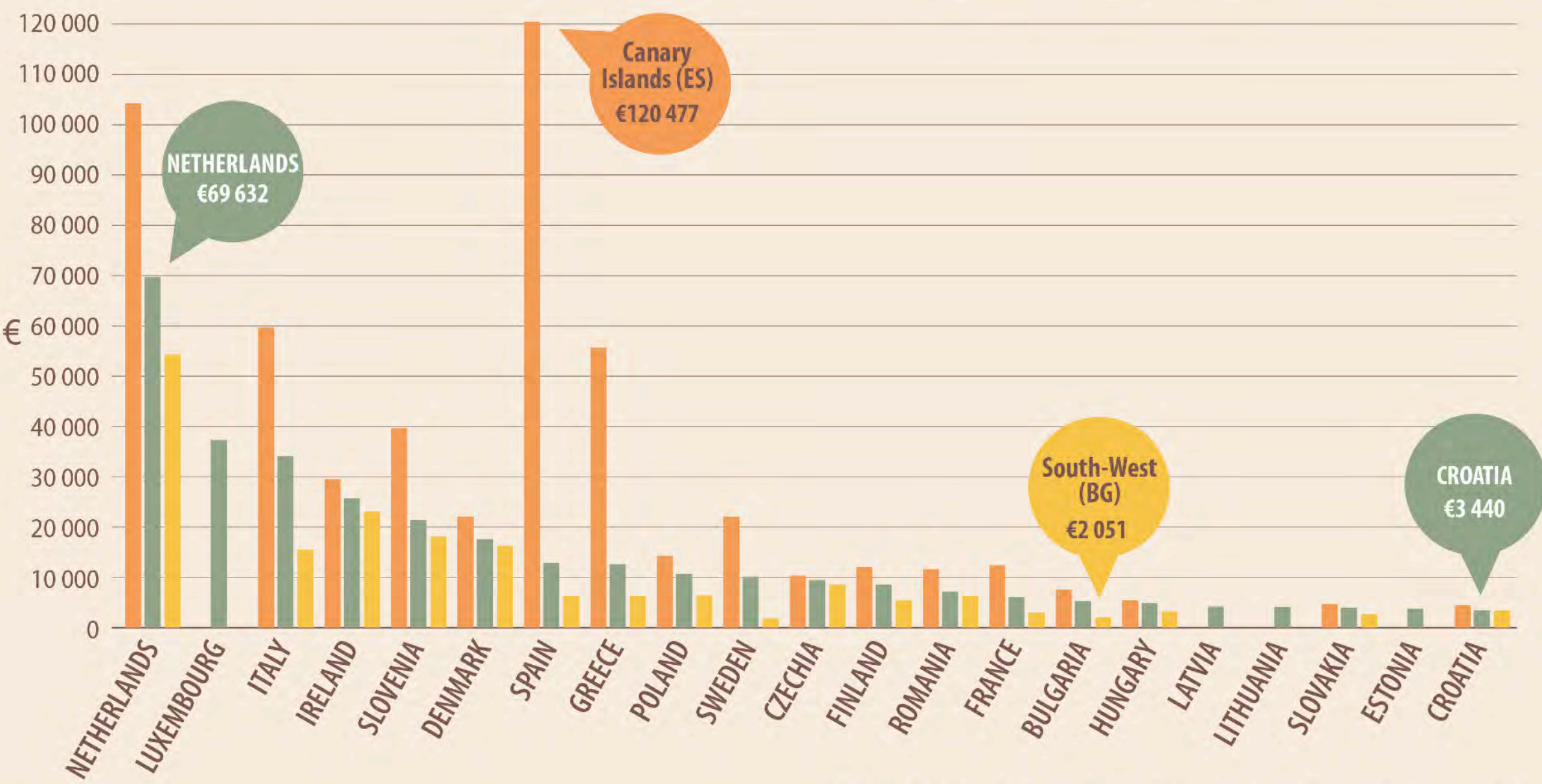
The speed at which orders dried up and production was cut back was startling and affected companies around the world in extended supply chains. Increasingly firms are following just-in-time practices in regards to inventory, so cut-backs in orders were sudden and largewith the uncertain demand environment.

Average price of one hectare of arable land

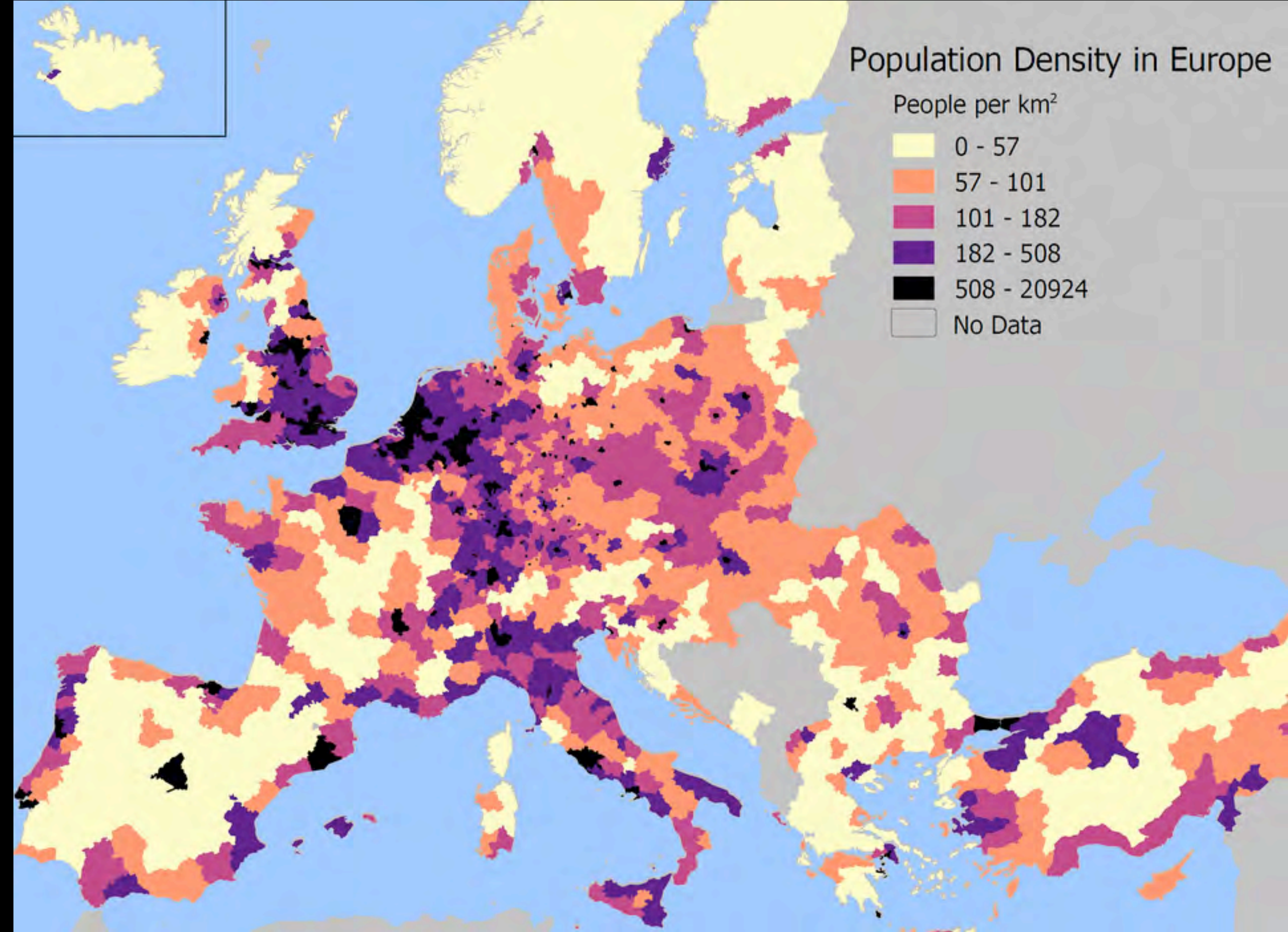


(in €, 2020 or latest available year)

Maximum regional average National average Minimum regional average



Data for Belgium, Germany, Cyprus, Malta, Austria and Portugal are not available.
Denmark, Italy, Luxembourg, the Netherlands: 2019 data





Economic fragility



Energy crisis



Destructive farming



Supply shocks

Macro

- High-cost of fertiliser and pesticides
- Fossil fuel dependancy
- Complexity and fragility
- Risk due to global warming
- Erosion and nutrient loss
- Collapse of society and civilisations

Micro

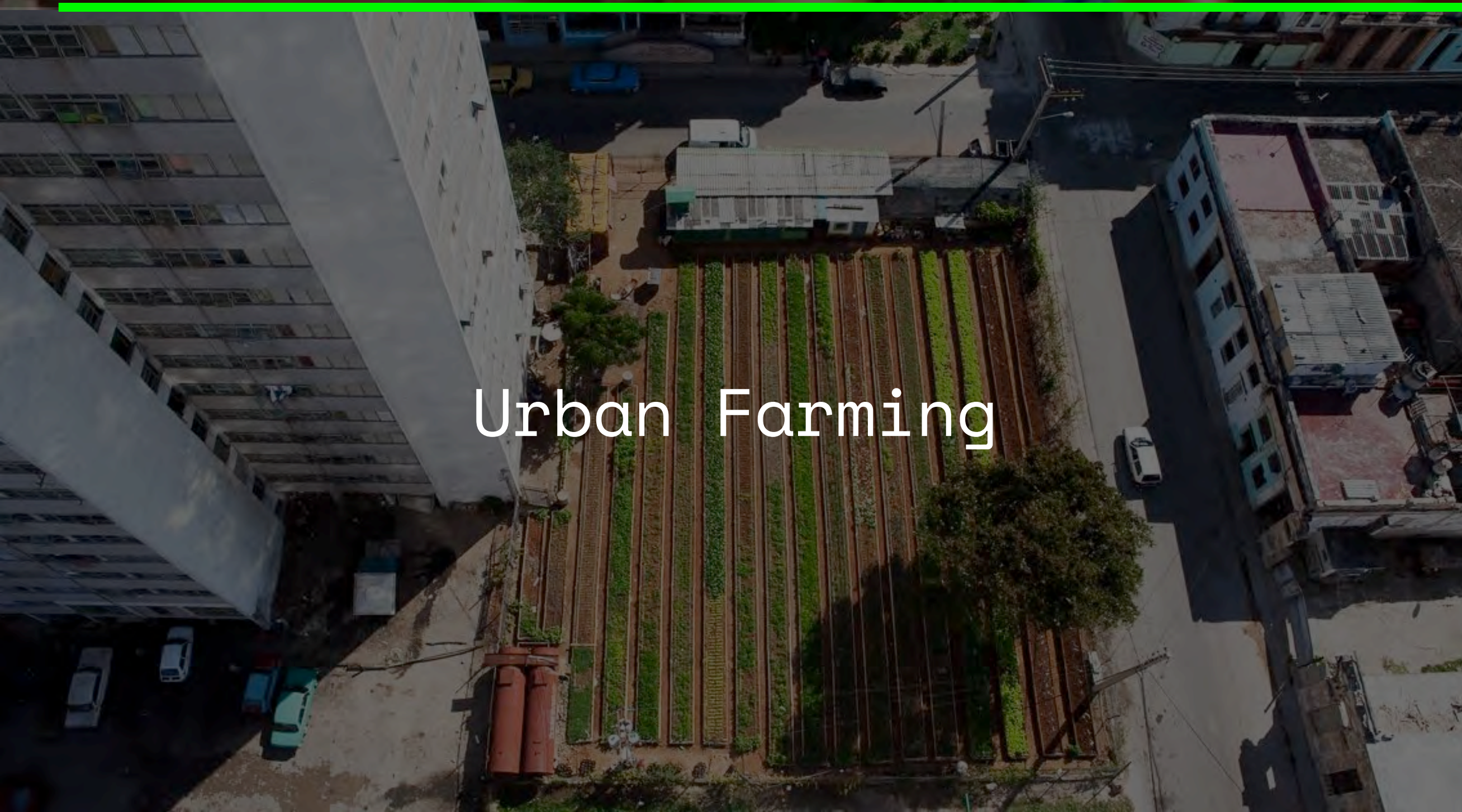
- Risk to health and environment
- Food-waste
- Heat islands
- Real estate prices
- Dependancy on complex systems
- Stress and domestic violence



Alternative currencies



Composting

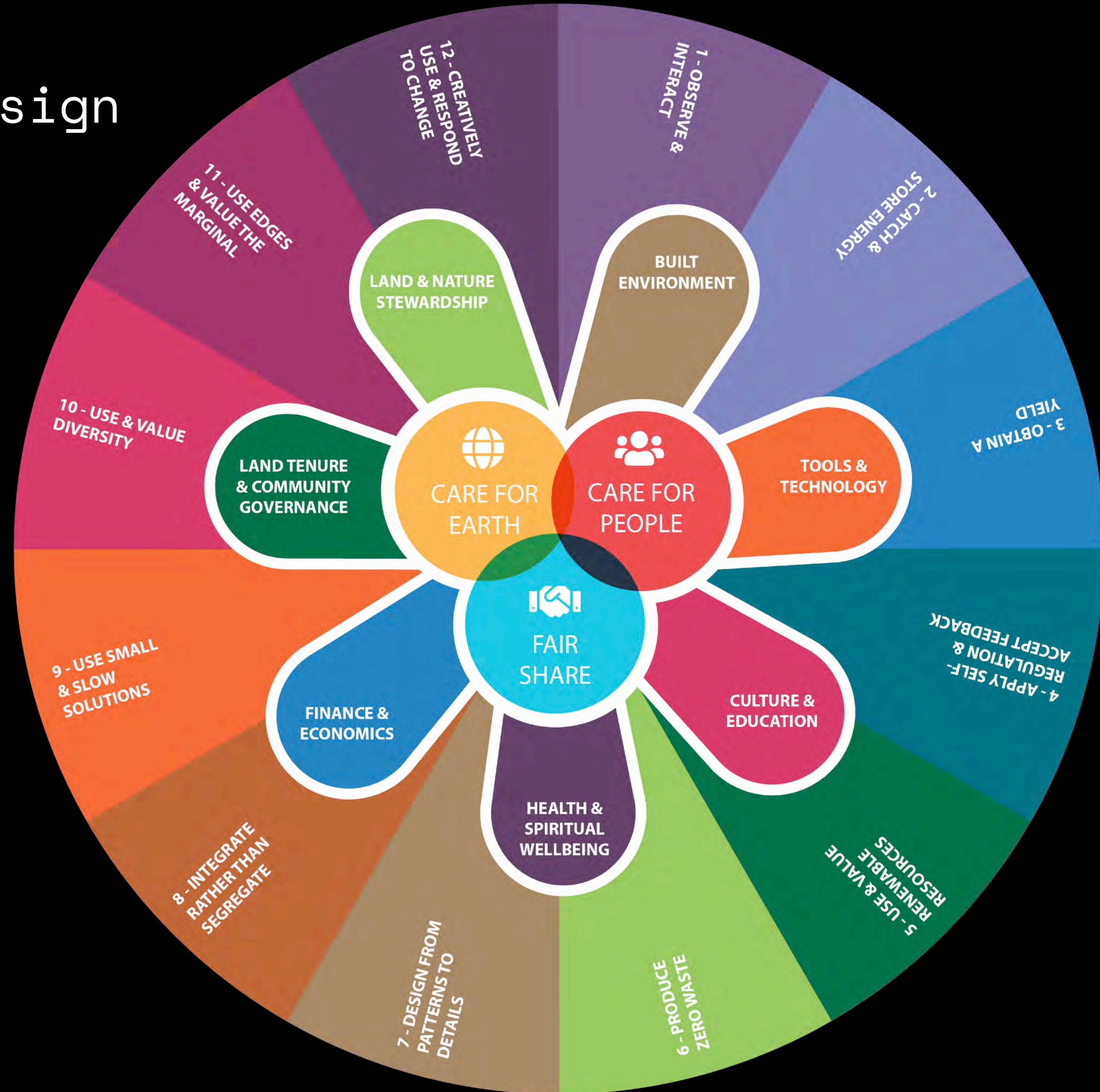


Urban Farming



Food communities

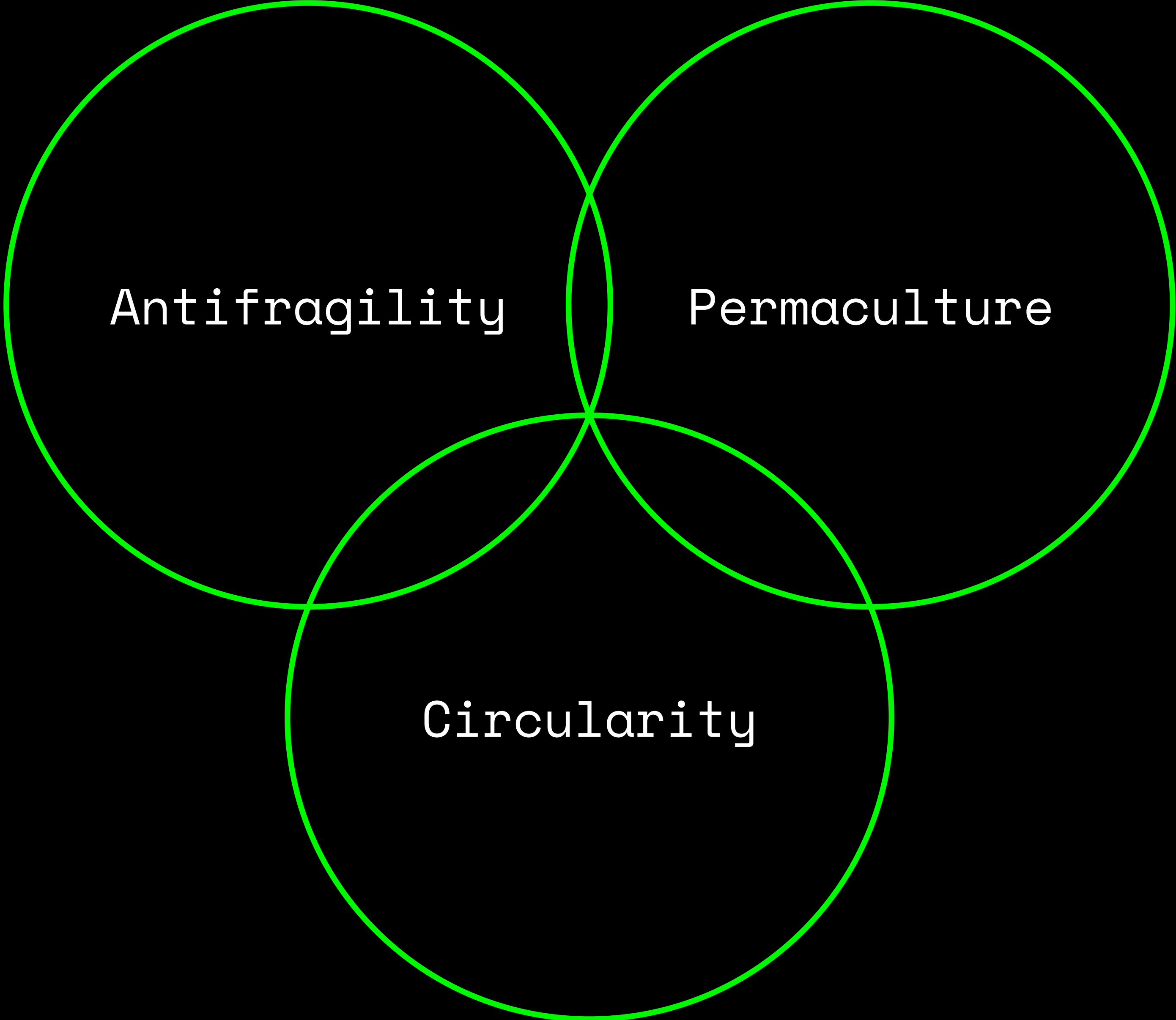
Permaculture design principles



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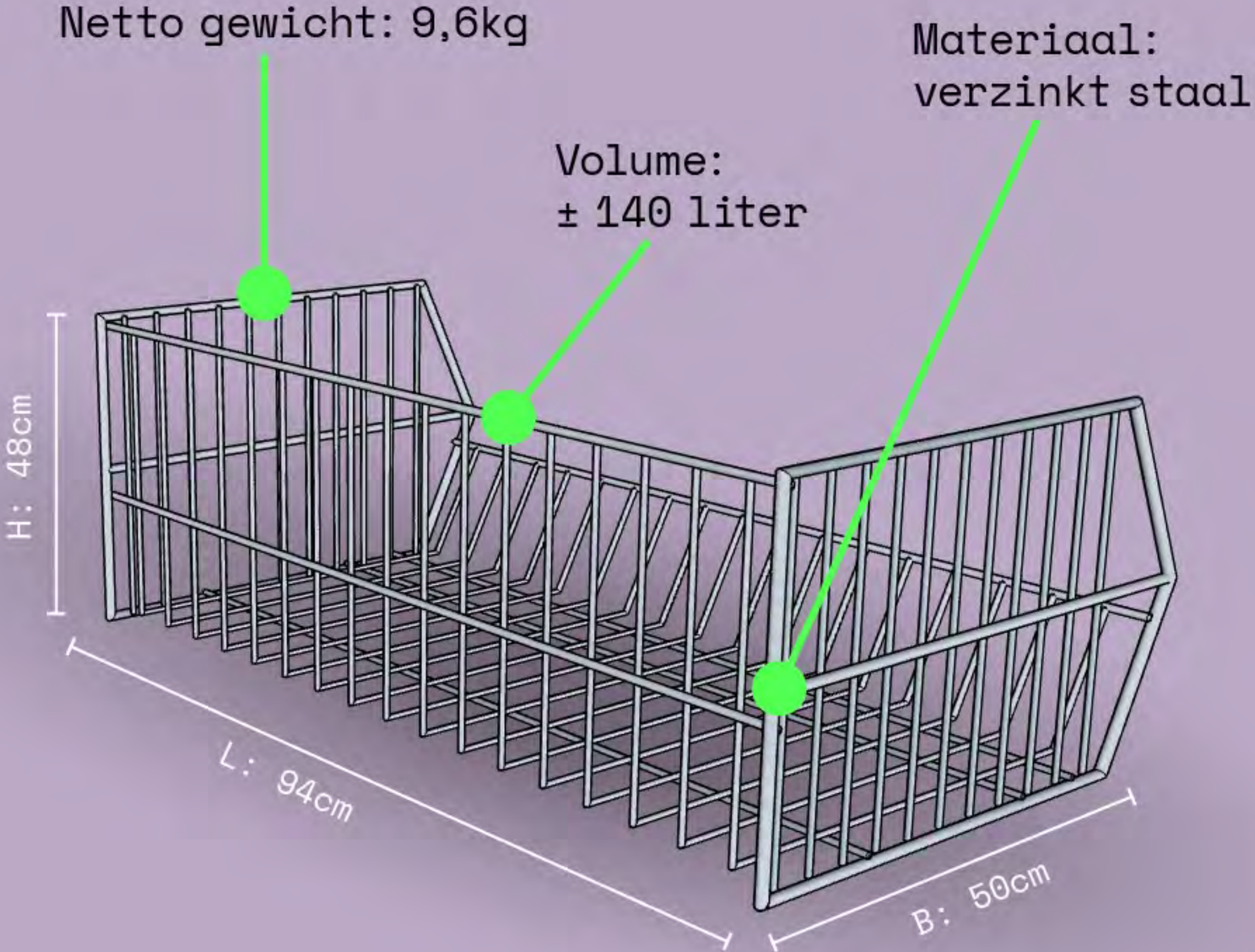
Opportunity

urban food systems



HyperGarden





Building blocks for opensource vertical gardening



V0.1

- 2017
- analogue
- observational
- duration test
- planting
- irrigation

HyperGarden



HyperGarden



HyperGarden

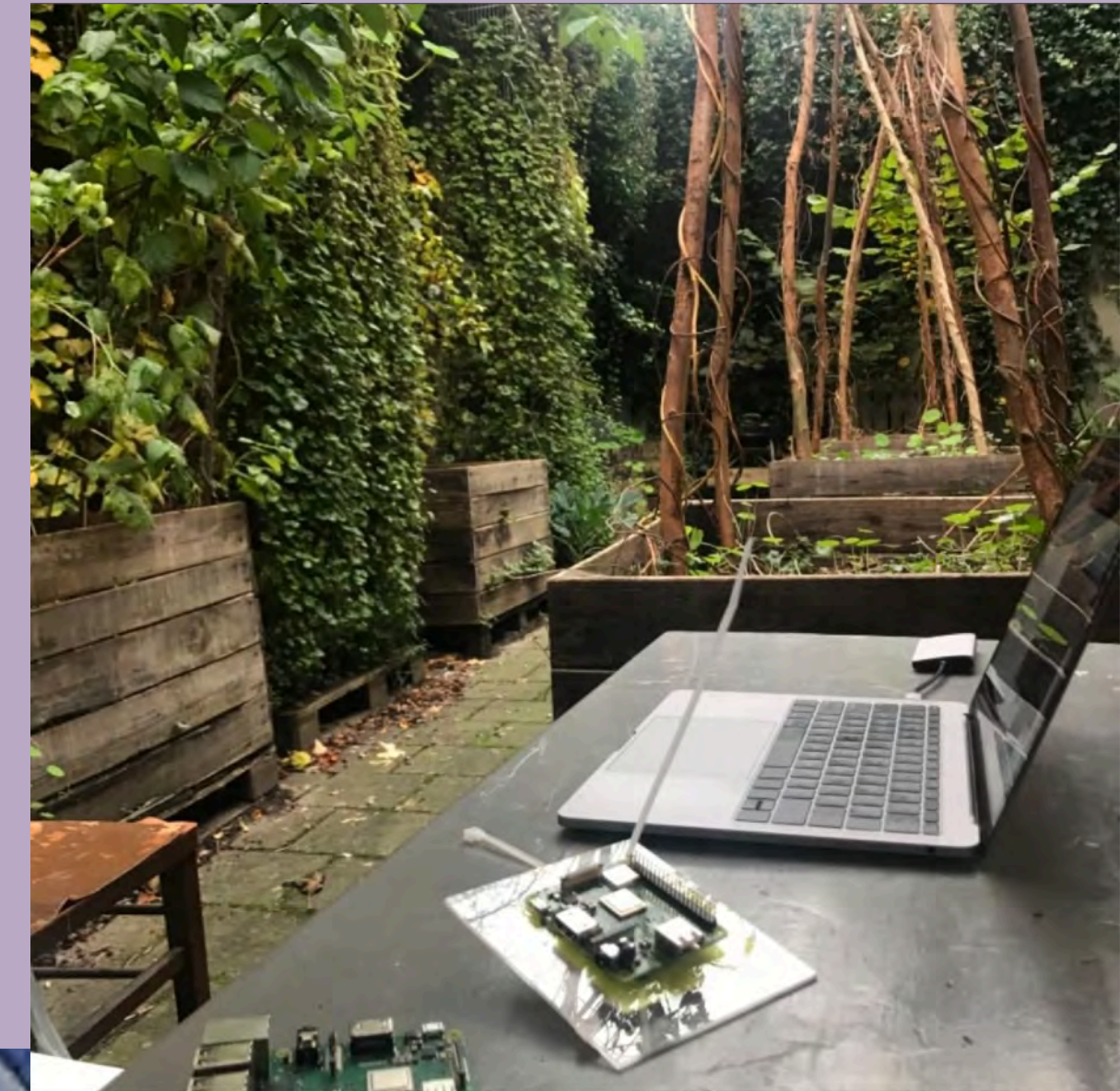
Hyper
Garden

Opensource modular platform
to garden in the vertical
urban space and retrofit
cities worldwide.

HYPERGARDEN



V0.2



- 2021
- digital
- sensor
- connected



Why?

fragile socio-economic systems



Hongerwinter 1944 - 1945

*Your own vegetables
all the year round...*

if you

DIG FOR VICTORY NOW

Dig for Victory - 1943



Ethiopian Famine 1984



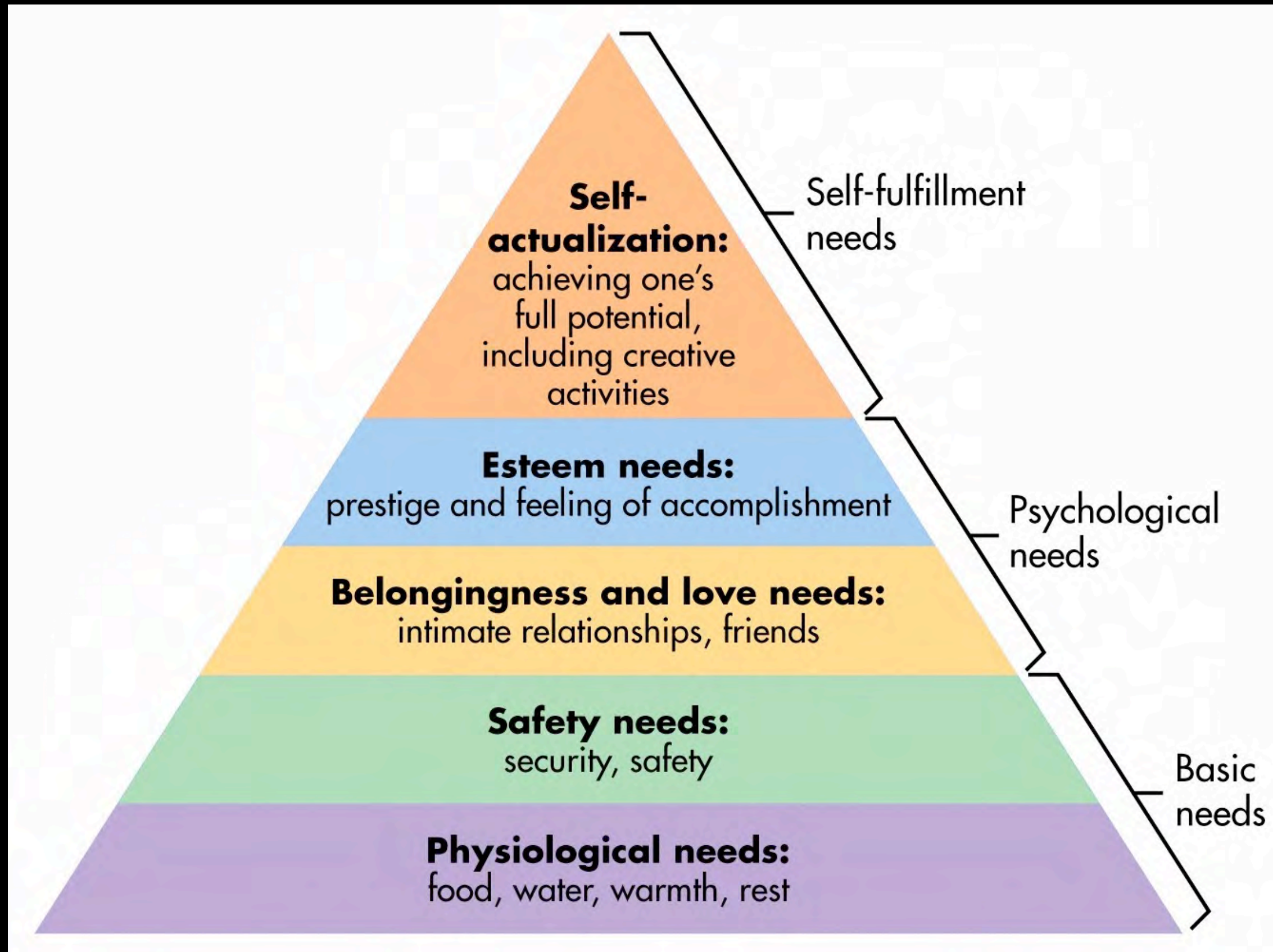
Collaps od Sovjet Union USSR 1990



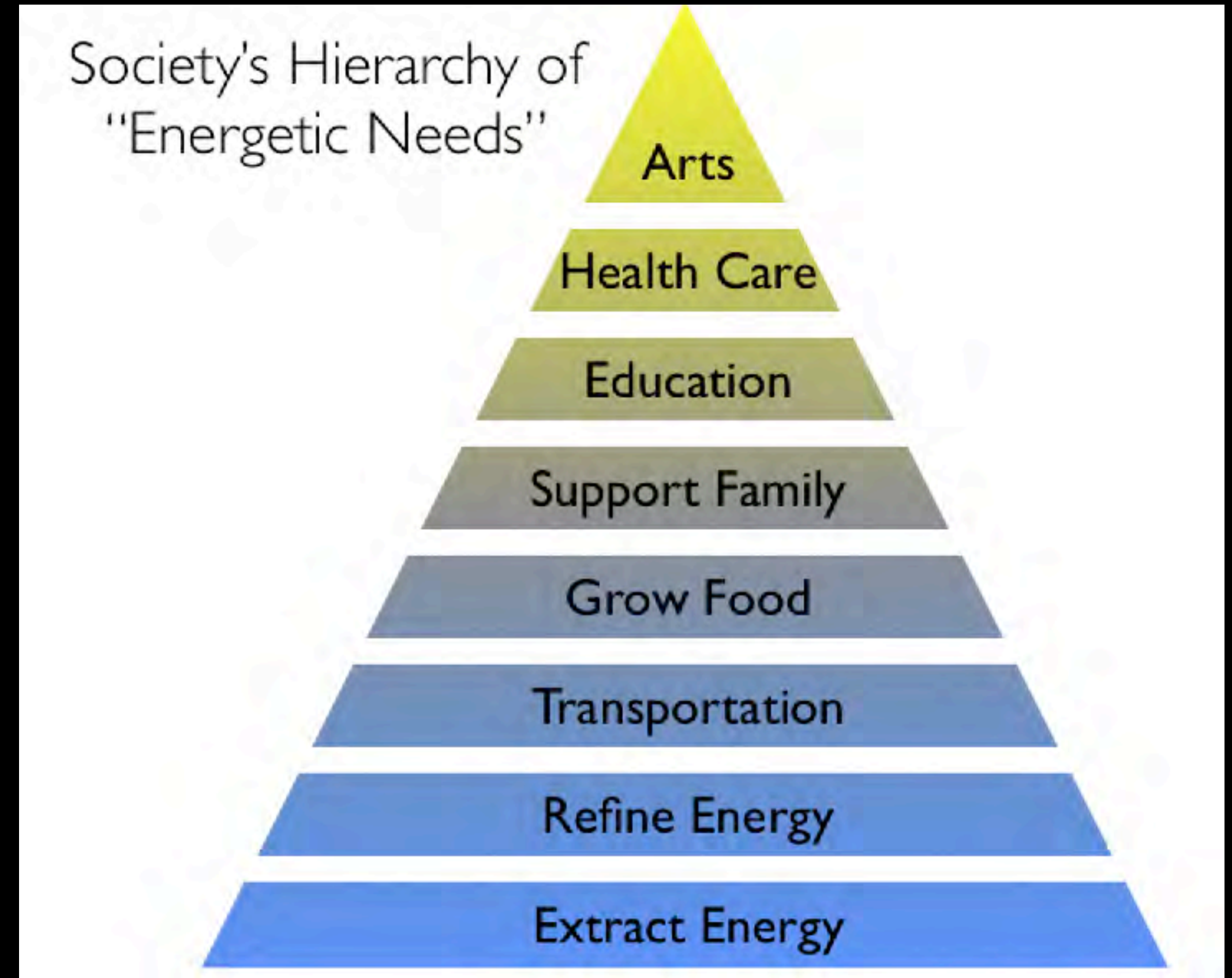
European gas prices 2021-2022



Afghanistan at risk of humanitarian crisis in 2022



Maslow's hierarchy of needs



[EROI and quality of life Jessica G. Lambert](#)

Antifragility is beyond resilience or robustness. The resilient resists shocks and stays the same; the antifragile gets better.

- Nassim Nicholas Taleb, Antifragile, 2012

FEATURE

How Do You Know When Society Is About to Fall Apart?

Meet the scholars who study civilizational collapse.

<https://www.nytimes.com/2020/11/04/magazine/societal-collapse.html>



HyperGarden

The Road

2009




How could you prepare and become more resilient for possible future food supply shocks?

www.hypergarden.nl



Kruyd

Also checkout our boutique herb brand, from our local and small scale production garden in Wassenaar.



Kruyd

RESERVOIR
Theebouquet

SEIZOEN 01