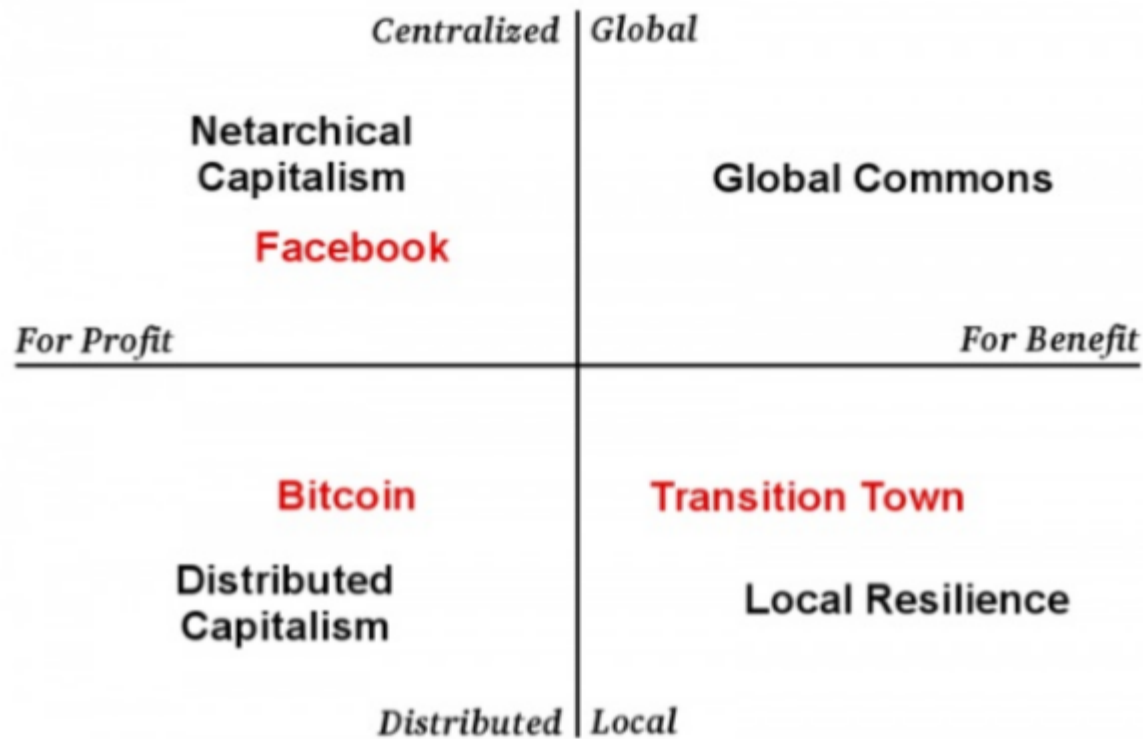


# Externalities and commons-based peer production: the toolbox for open and shared supply chains

Michel Bauwens  
P2P Foundation, SMart

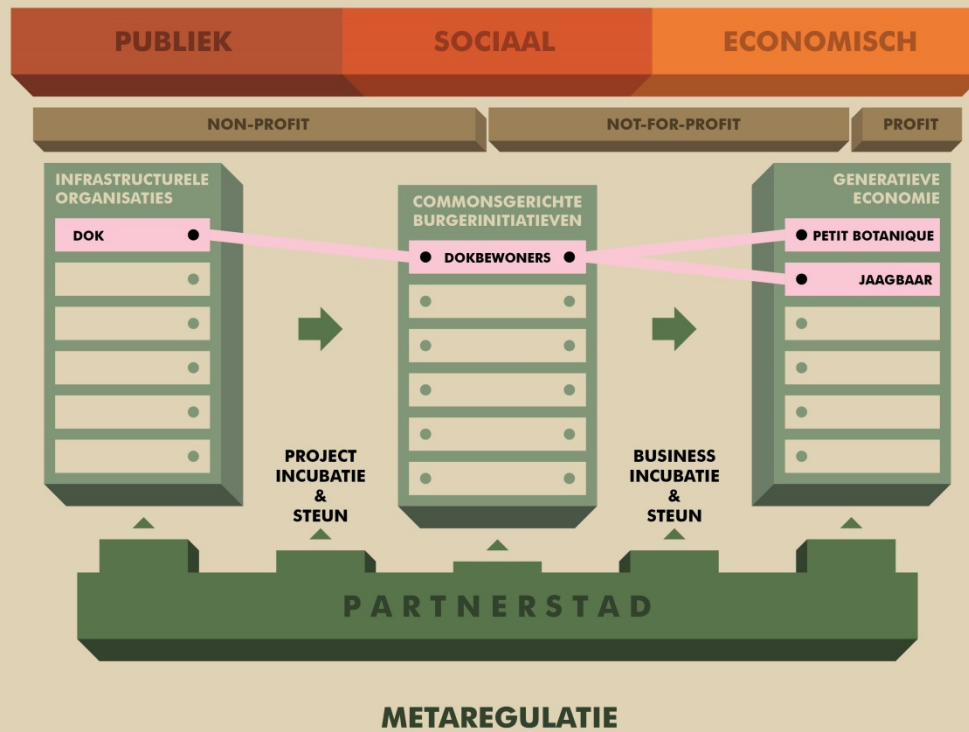
# Three Ontologies Are Struggling: Leviathan, Mammon or the Commons



## The Place of the Commons in Human Evolution

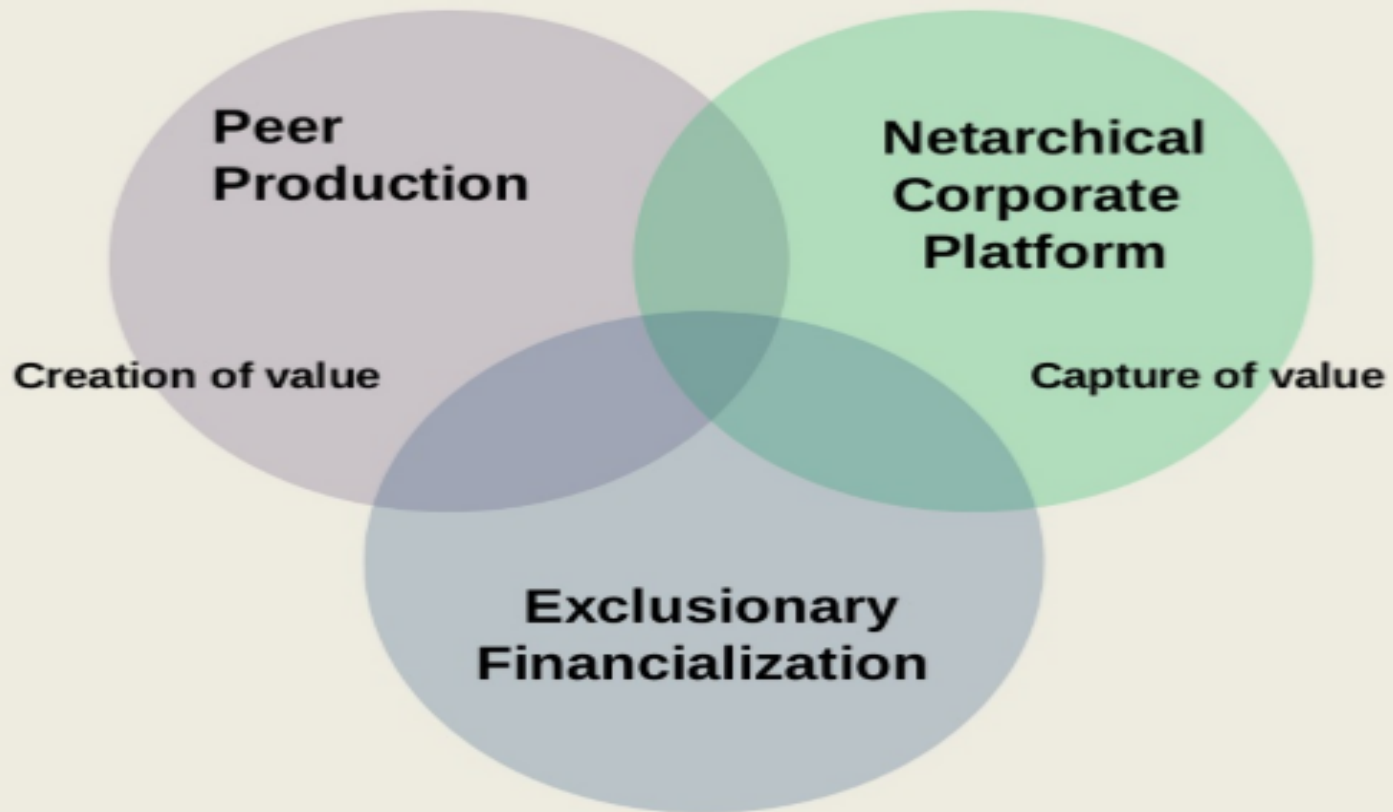
- One of four modes of exchange: Communal Shareholding, Equality Matching, Authority Ranking, Market Pricing (Alan Page Fiske)
- Historical modes of dominance (Kojin Karatini)
- Different commons for different periods:  
natural commons / social commons /  
knowledge commons / urban commons /  
material production commons
- Peer production today

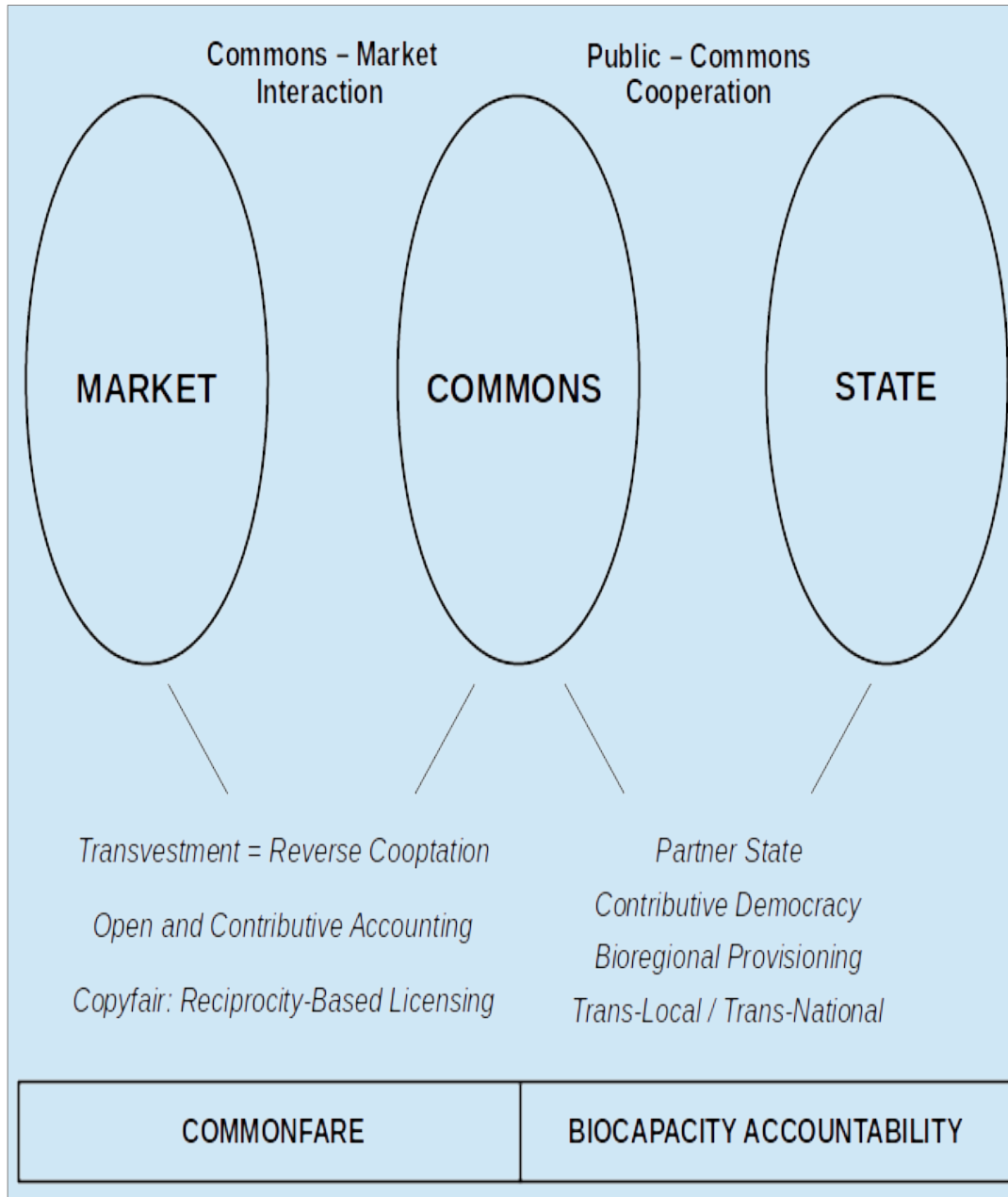
# POLY-GOVERNANCE

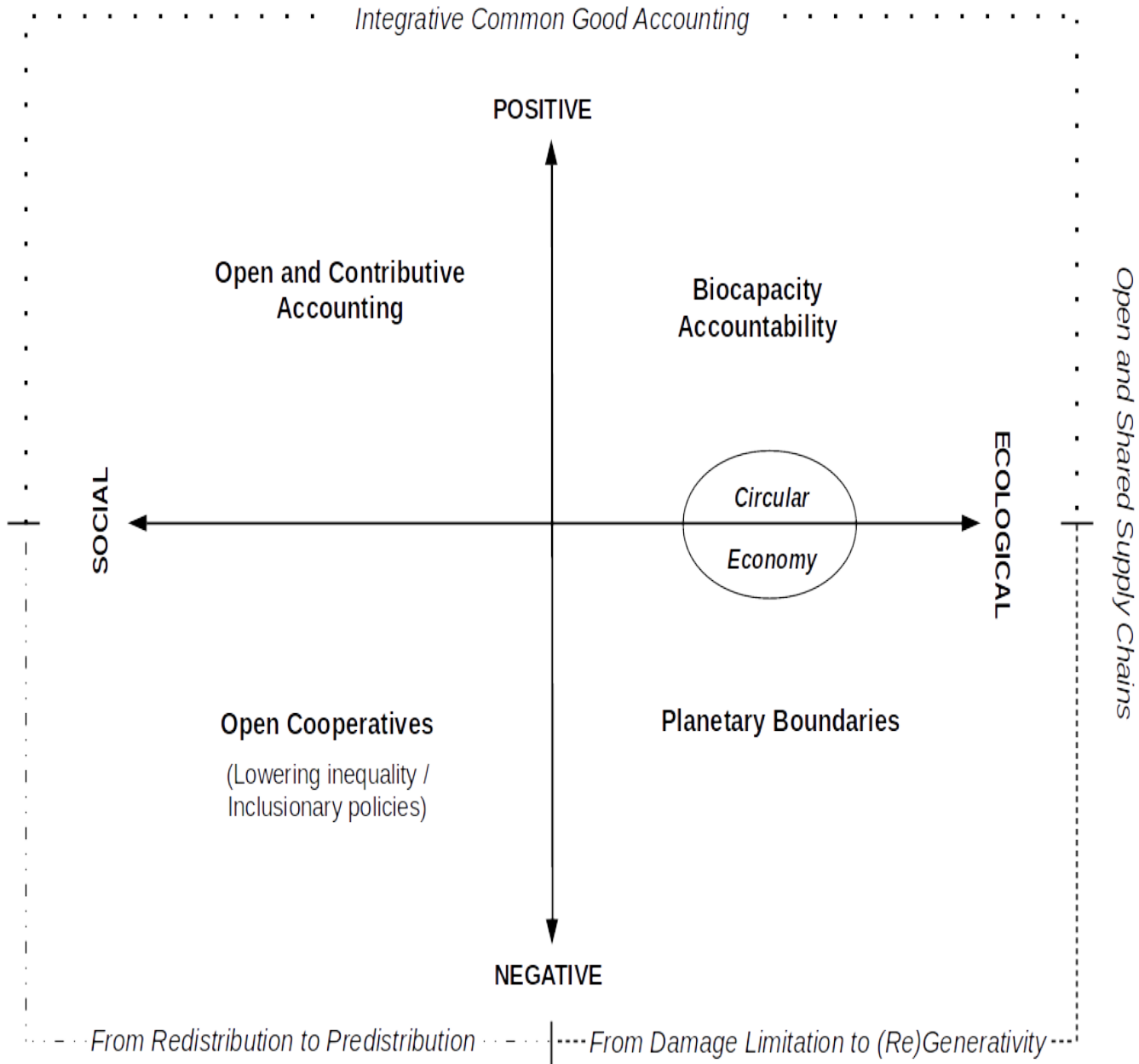


# Generative vs. Extractive Models

## EMERGENT P2P UNDER COGNITIVE CAPITALISM







## **So, what tools do we need for the commons transition ?**

- We need a fusion of: 1) stigmergic coordination of contributions 2) ethical markets matching 3) biocapacity planning frameworks
- Open and contributive accounting, to achieve 'value sovereignty' and fairly reward contributions
- Reciprocity-licenses (smart contracts ?) to achieve generative and reciprocity-based market exchange
- Open and shared eco-systemic supply chains, with biocapacity accountability



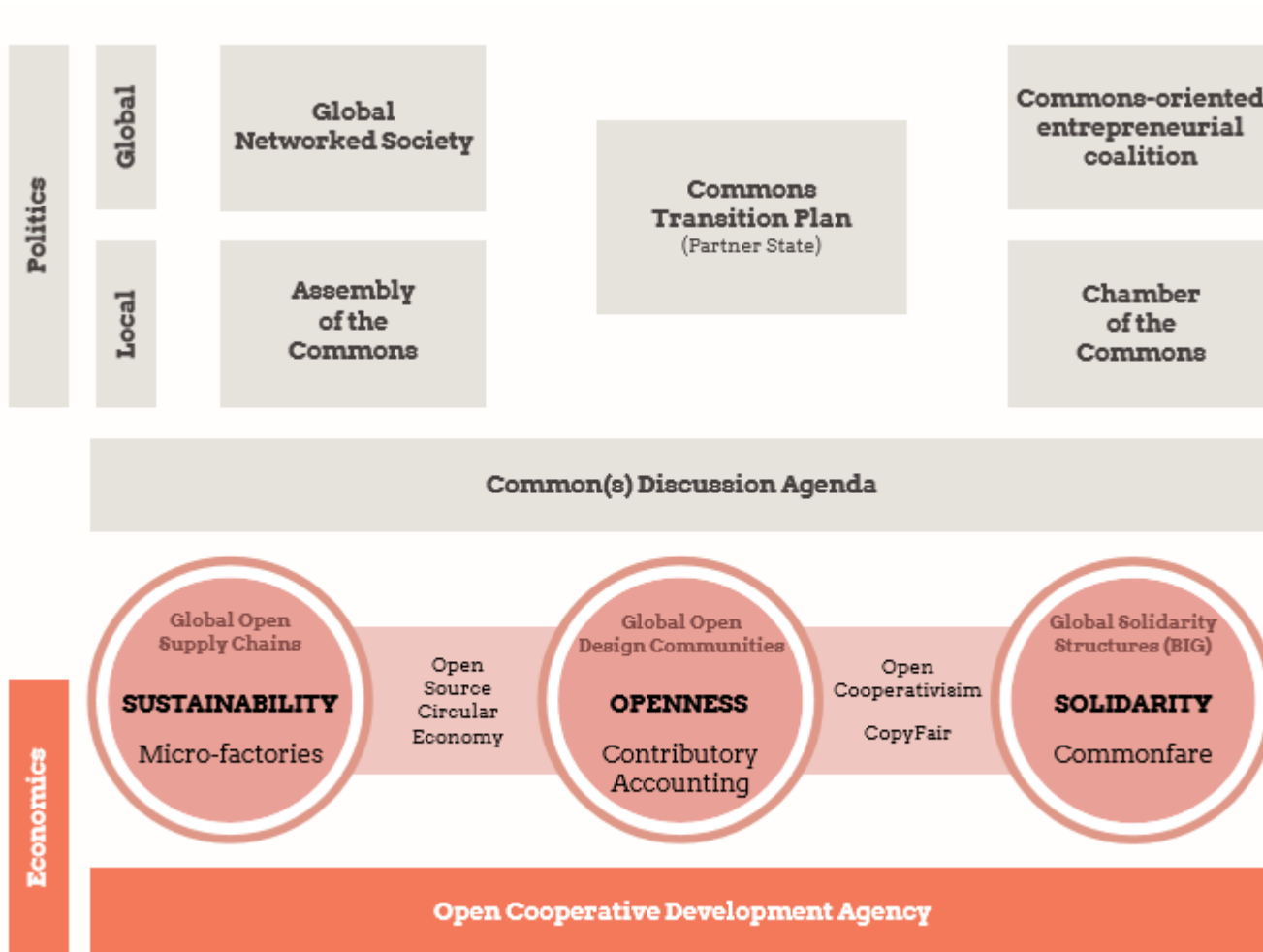
# Criteria for programmable predistributive commons-based DAO's

- "Programmable organizations enable production to be organized in a way that makes social criteria the rationale for production; not a constraint on it."
- Allow for flexible input, i.e. Contributions: " "The rise of 'networks' as modes of corporate organization breaks down the conventional means that differentiate one corporation from another and challenges the principle of 'competition' as the driver of corporate rationale."
- Mechanisms, like tokens, that allow surplus value to be retained by the workers, not capital: "the real potential is cryptocurrencies as units of account: as modes of measuring economic activity that are conceived differently from those intrinsic to fiat money. Fiat money has become tied to conventional framings of profit and loss, income and expenditure, and a market-centred calculus. Non-fiat monies have the potential for developing new ways to calculate economic activity; ways that represent different social and economic values, and measure performance by criteria other than profit. "

**Source: Dick Bryan and Akseli Virtanen, Economic Space Agency**

# Examples of projects of interest

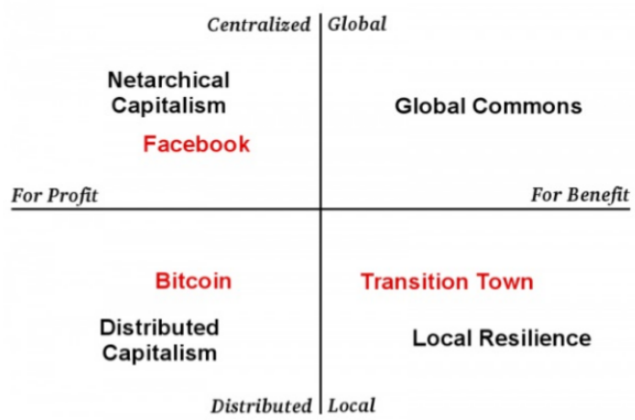
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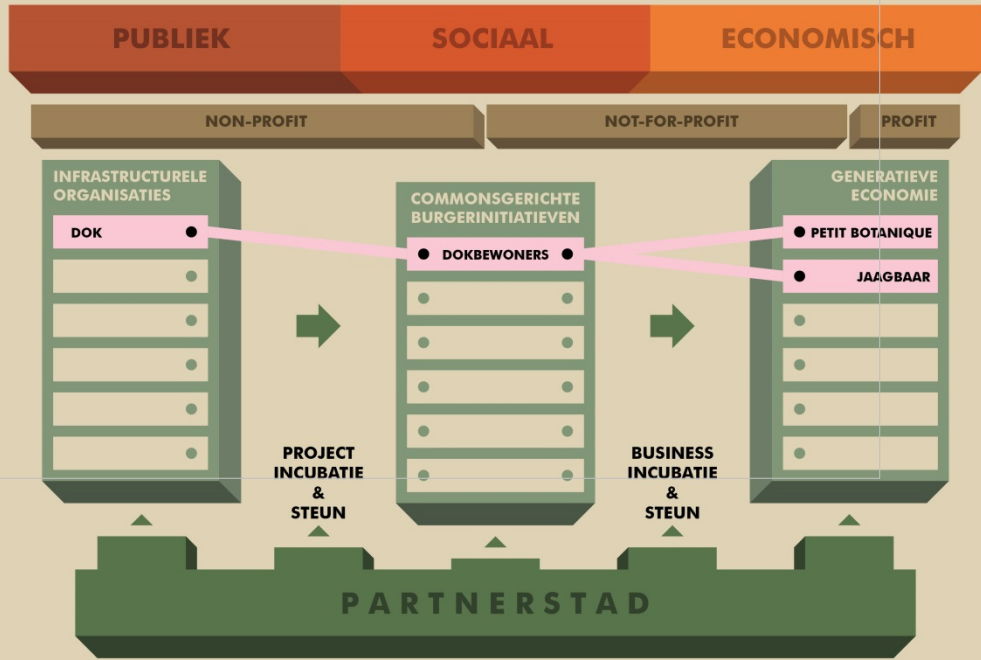
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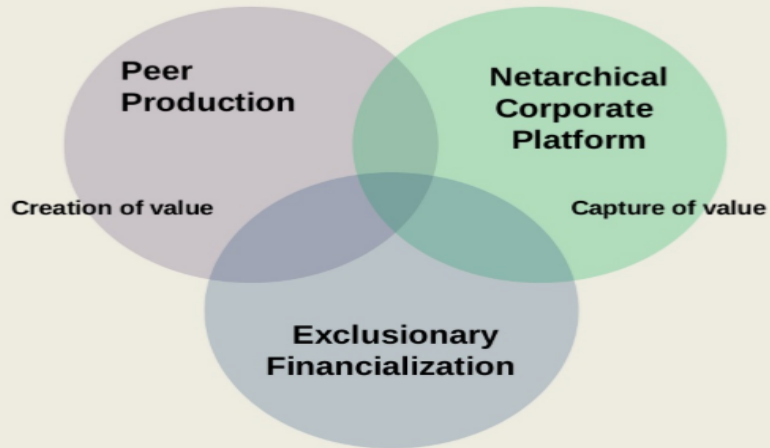
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## METAREGULATIE

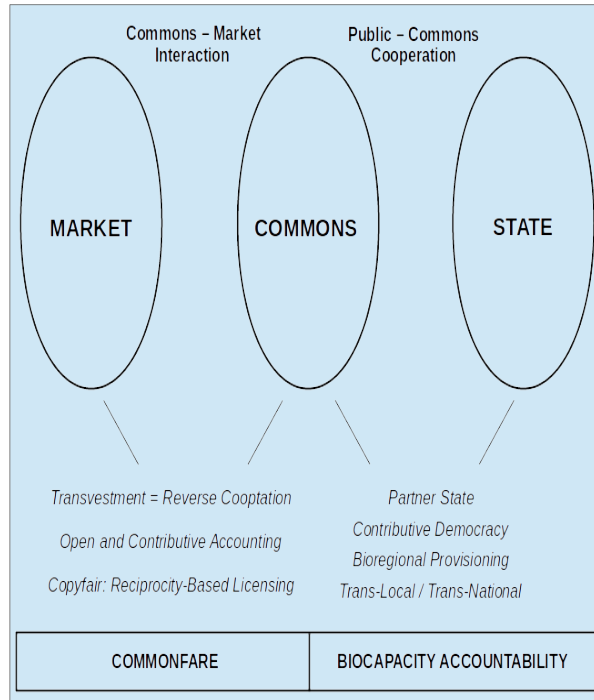
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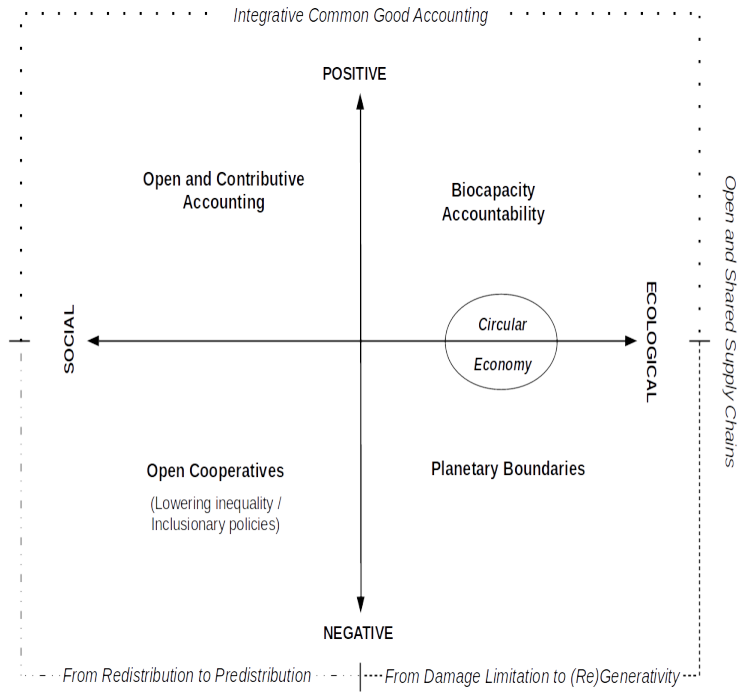


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6/8/18



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