TECHNO-SOCIAL INNOVATION IN THE COLLABORATIVE ECONOMY

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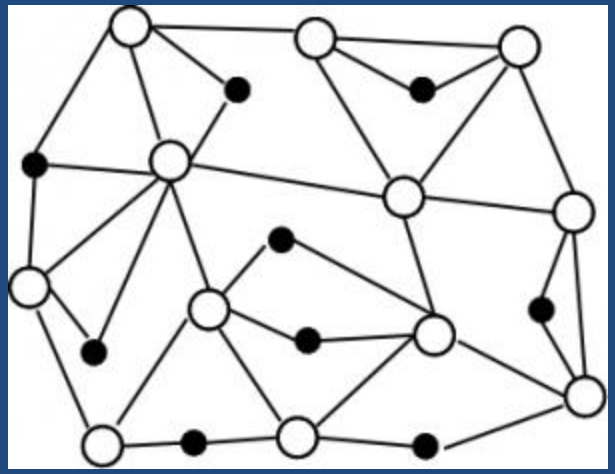
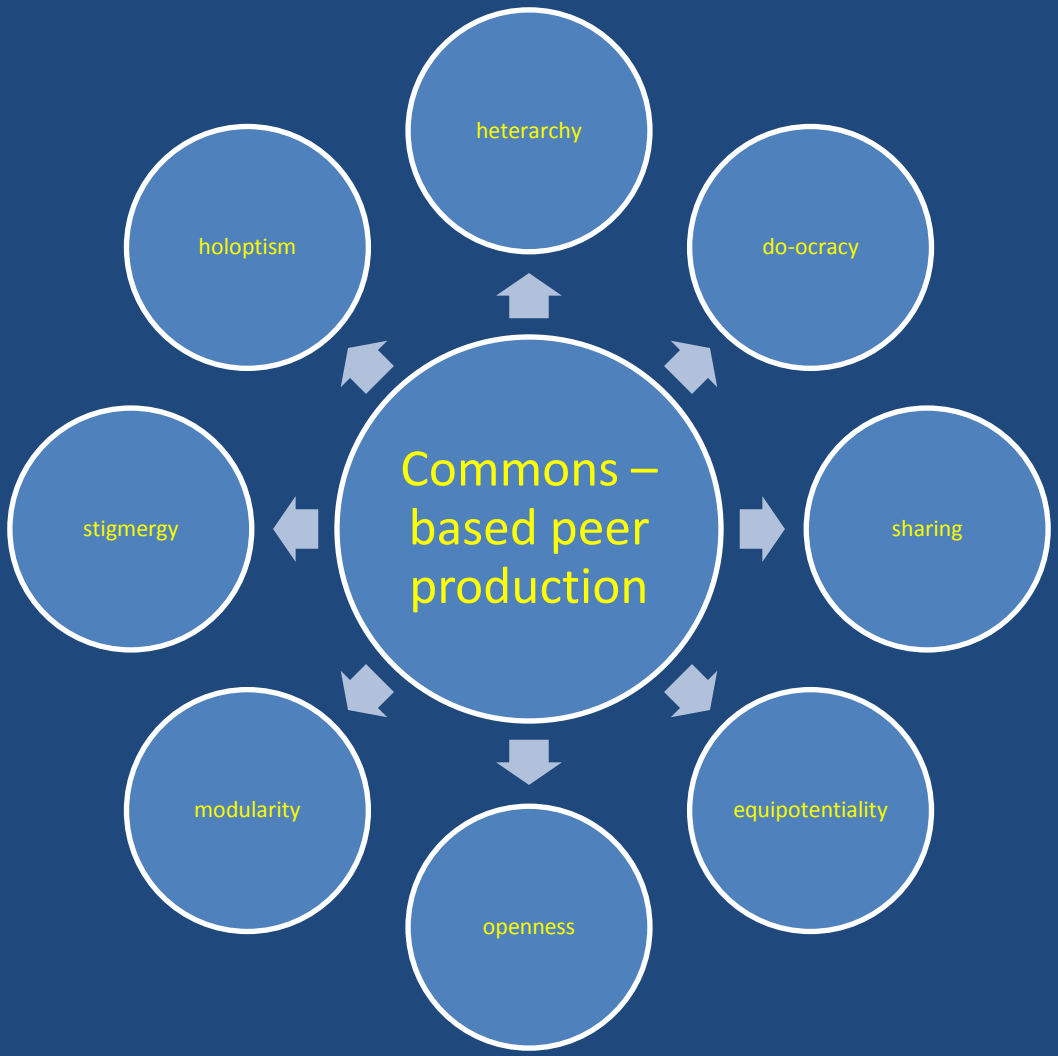
A POST-STRUCTURAL ANALYSIS OF THE COLLABORATIVE ECONOMY

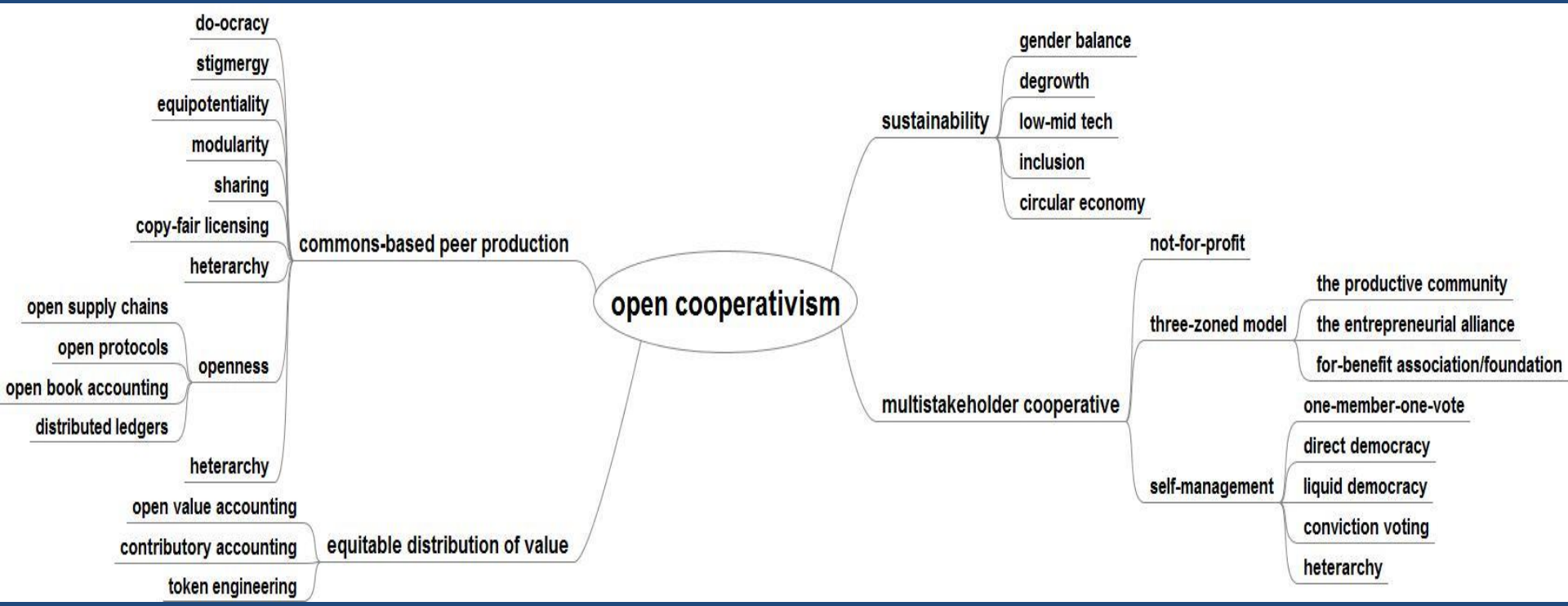
From elements to nodes and distributed models/networks



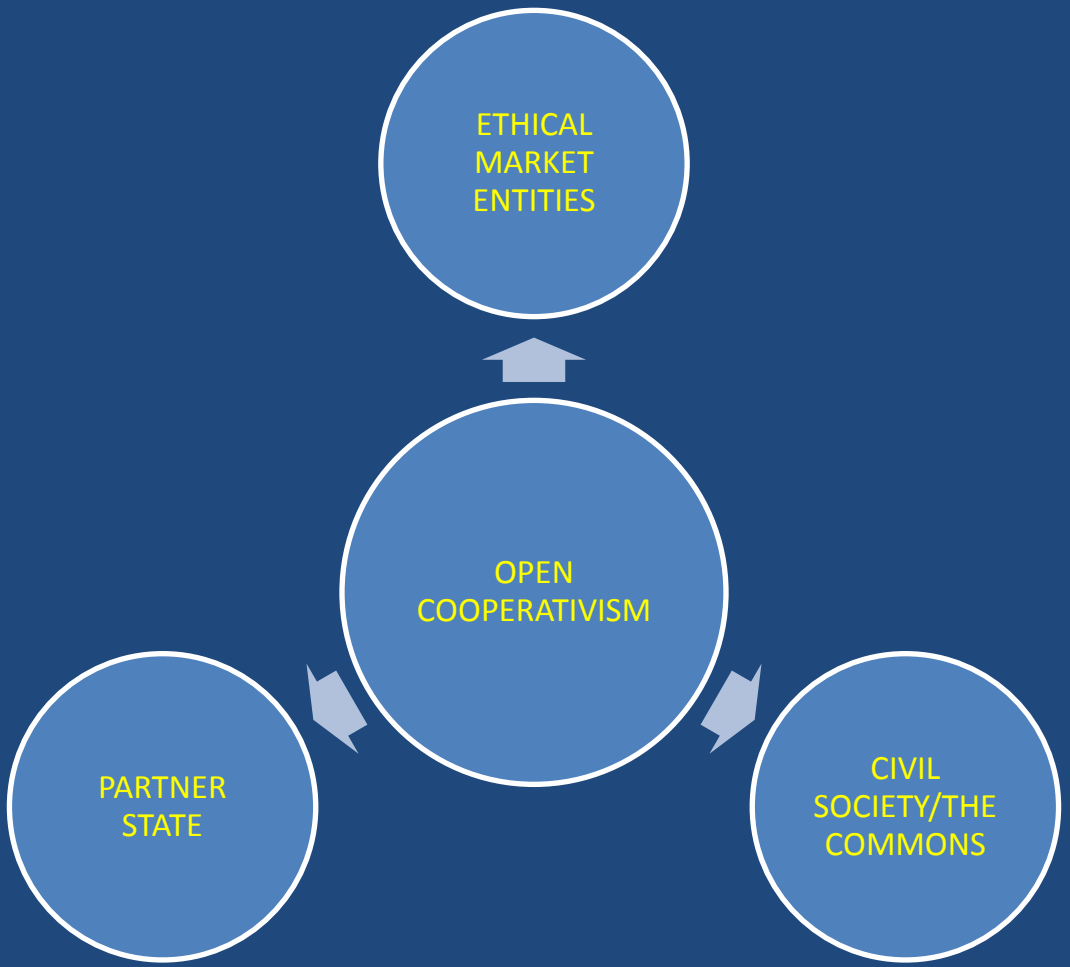
ELEMENTS/ NODE OF COMMONS-BASED PEER PRODUCTION



ELEMENTS > NODES > THE OPEN-COOPERATIVISM MODEL/NETWORK



THE OPEN-COOPERATIVISM MODEL



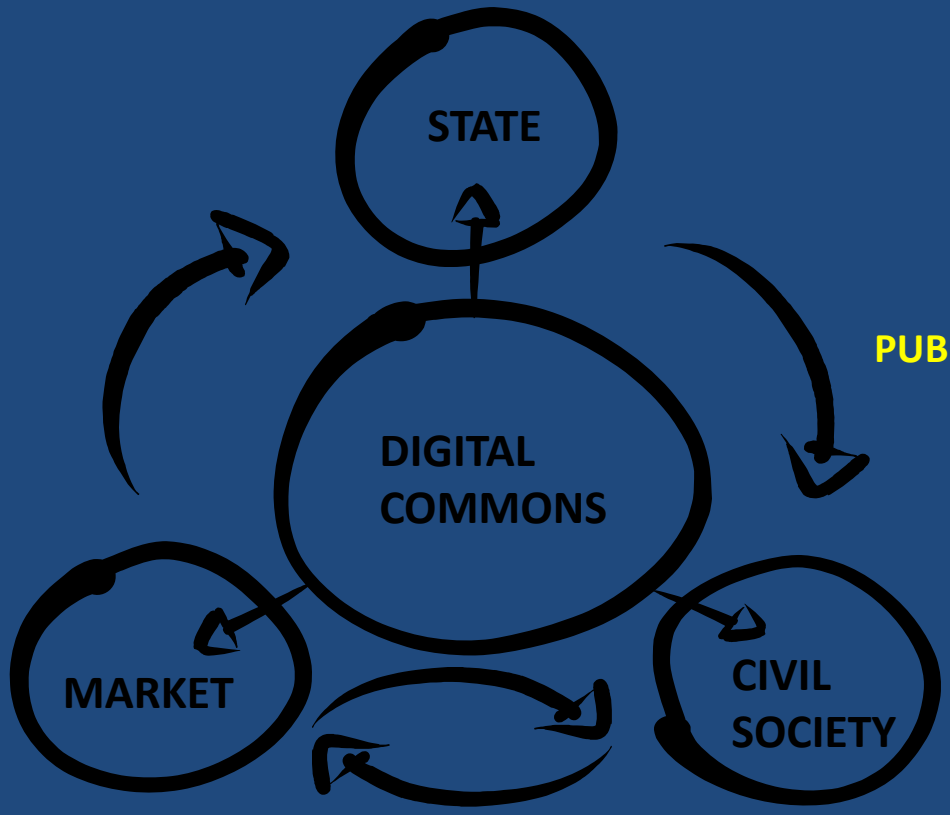
THE POLITICAL SPECTRUM OF TRANSITIONING TO THE COMMONS

RADICAL DEMOCRACY

OPEN-COOPERATIVISM > POST-CAPITALISM

NEO-LIBERALISM

POST-CAPITALIST VALUE FLOW



STATE

TAXES
GRANTS
LOANS
PUBLIC INVESTMENT

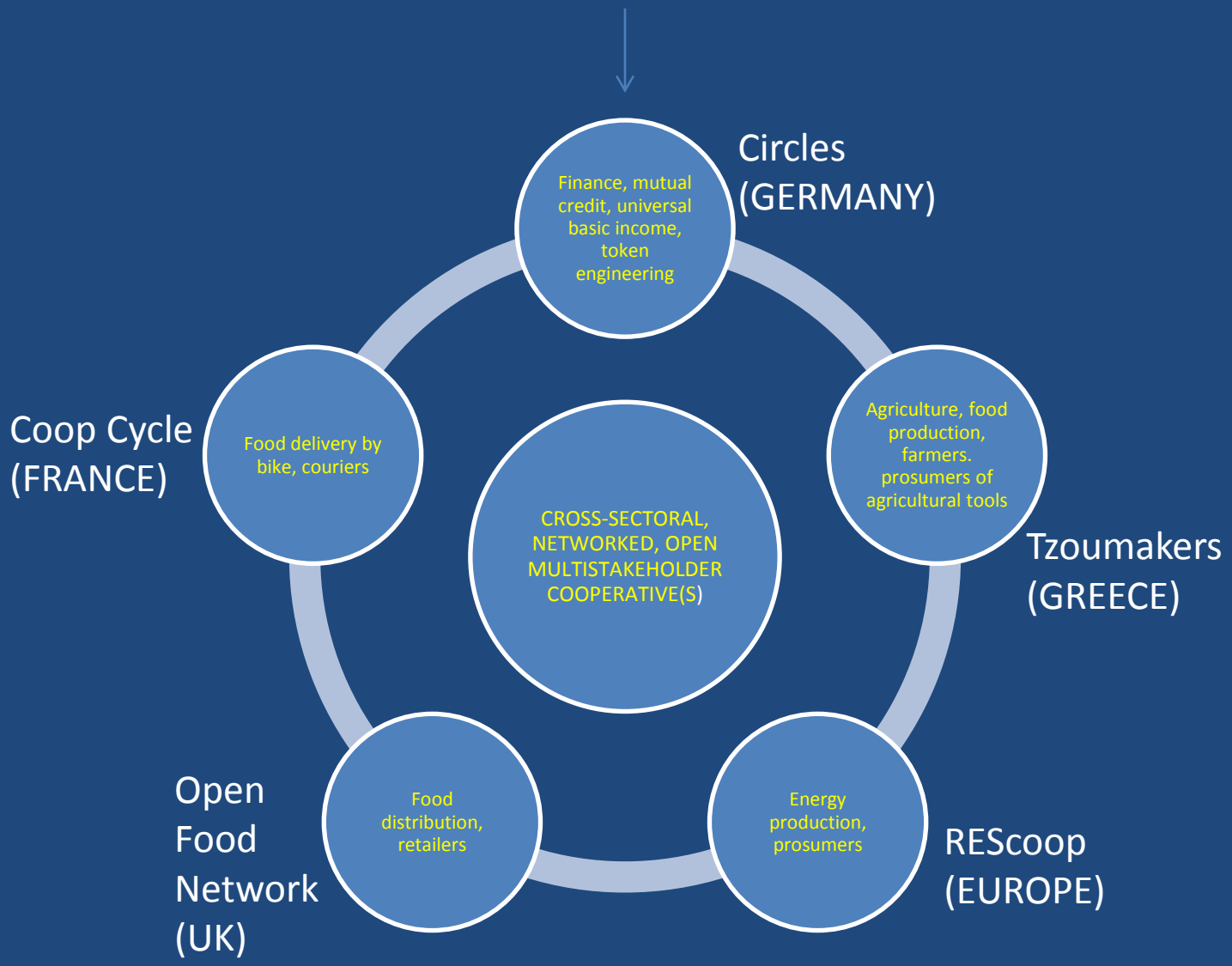
MARKET

INVESTMENTS
EXCHANGE VALUE
INCOME

CIVIL SOCIETY

COMMONS USE VALUE
COOPERATIVES
DAOs
CROWDSOURCING

THE COLLABORATIVE ECONOMY
CROSS-SECTORAL VALUE CHAIN/UNISECTORAL VALUE CHAIN



AGRICULTURE
Food production

Agricultural machinery and tools production

Food distribution

Finance

RESEARCH QUESTION

WHAT IS THE ROLE OF THE DIGITAL COMMONS AND OPEN-SOURCE TECHNOLOGIES IN THE COLLABORATIVE ECONOMY?

Blockchain innovation

1. The move from nation-state and corporate accounting to networked/distributed accounting
2. Large-scale mutual coordination of both immaterial and material production
3. Scaling of perma-circular economies
4. Management of physical flows of matter and energy
5. Integration of externalities

Blockchain features

1. Verifiability, transparency, reduction in information asymmetry
2. Immutability
3. Liquidity
4. Decentralisation
5. Networked computability, smart contracts
6. Token-based economies, crowdfunding, equitable distribution of value

Blockchain vs Post-Blockchain

Blockchain > holochain, multistakeholder networks

Trustlesness > trust-enabling, trust-scaling distributed ledger

Smart contracts > Ostrom's contracts

Competitive game incentives > cooperative game mechanics

Extractive activity > generative activity

Price signals > monetary signals (ex. Fishcoin project)

In a nutsell

Post-Blockchain distributed ledgers move from the liberal/libertarian/Austrian economics-based/anarcho-capitalist design of current blockchains to more cooperative/commonist/post-capitalist models