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Operational Programme Research,  
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FACULTY  
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STUDIES

# Community Economies of Manufacturing: Materials and Makers

14/04/19



Dr Thomas Smith



1. Background: Democratising Production in the 21<sup>st</sup> Century
2. Community Economies
3. Making Culture: Freetown Christiania

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1. What present/future challenges does Christiania's experiment in social ecological economics face, and how could it work to mitigate these risks?

2. What do you think about Jackson's 'low productivity' vision? Relating it to examples (not only) in the Czech Republic, is it just wishful thinking?

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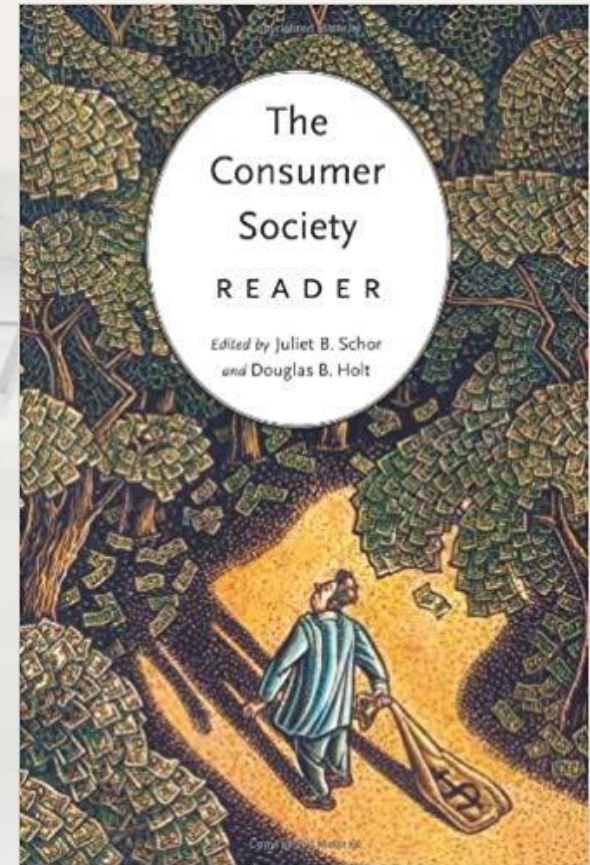
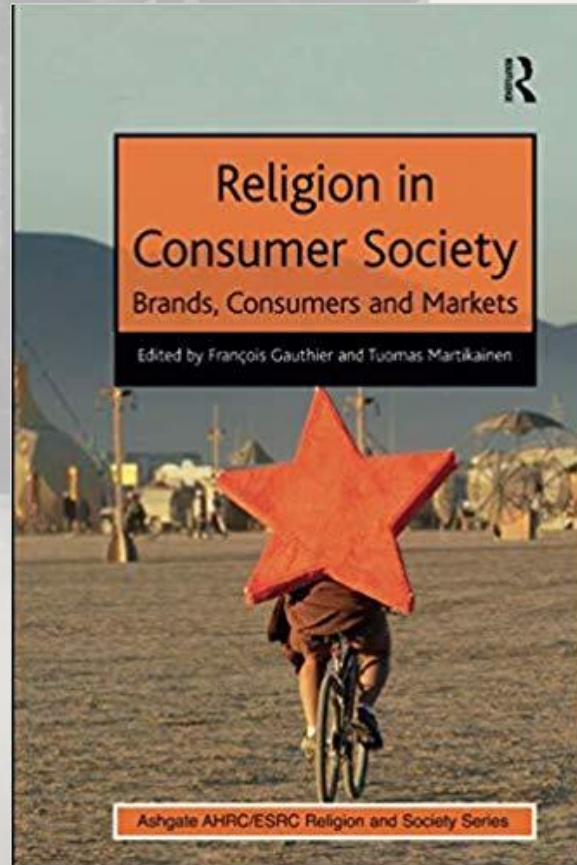
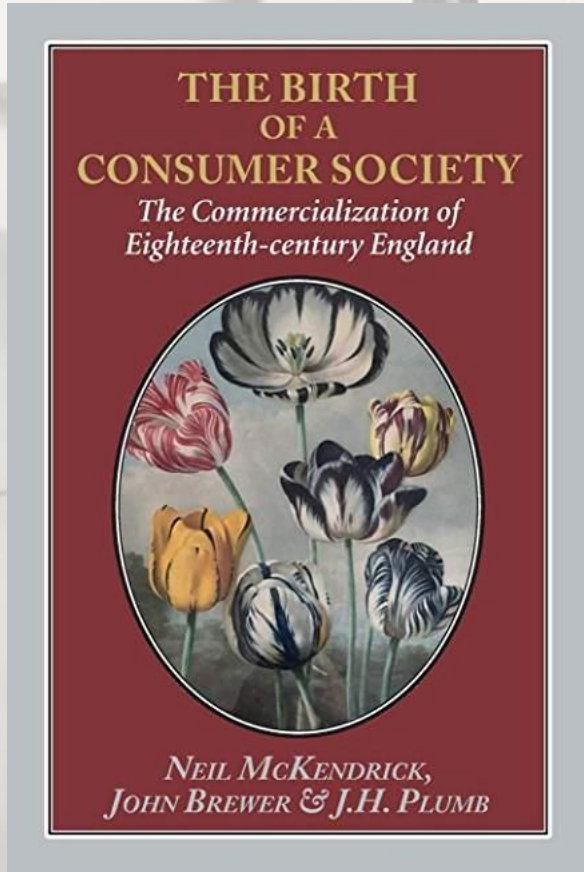
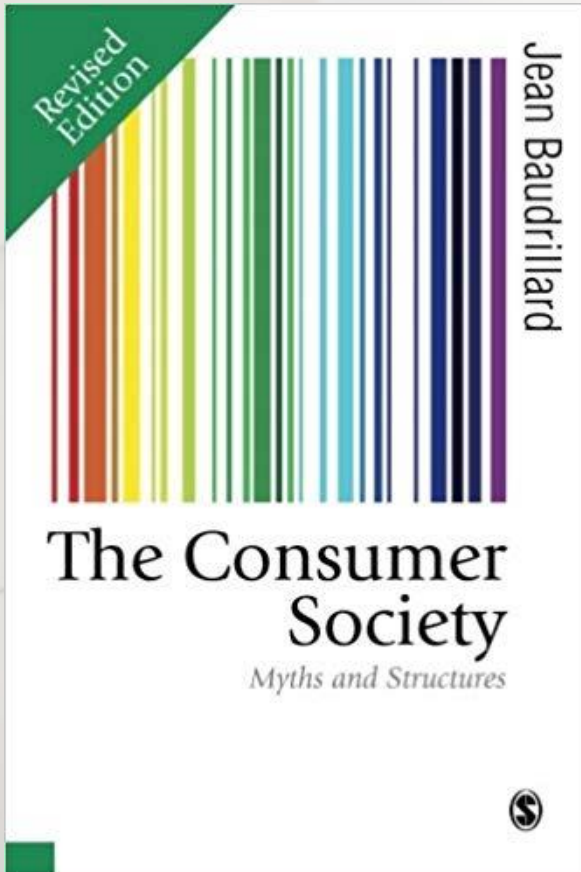


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# Looking beyond the 'consumer society'/'post-industrial' narratives

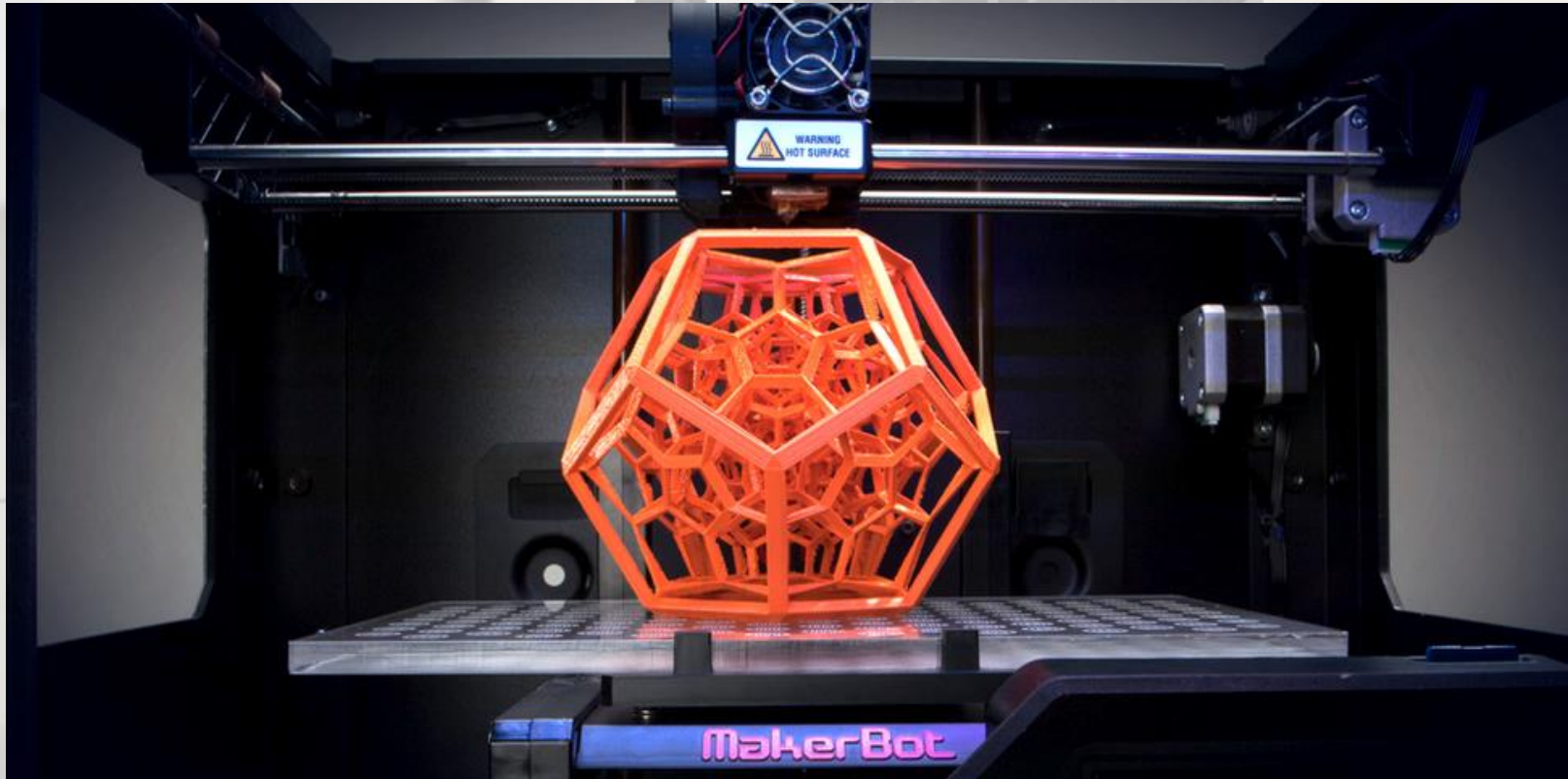
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# The Maker Movement, Scotland

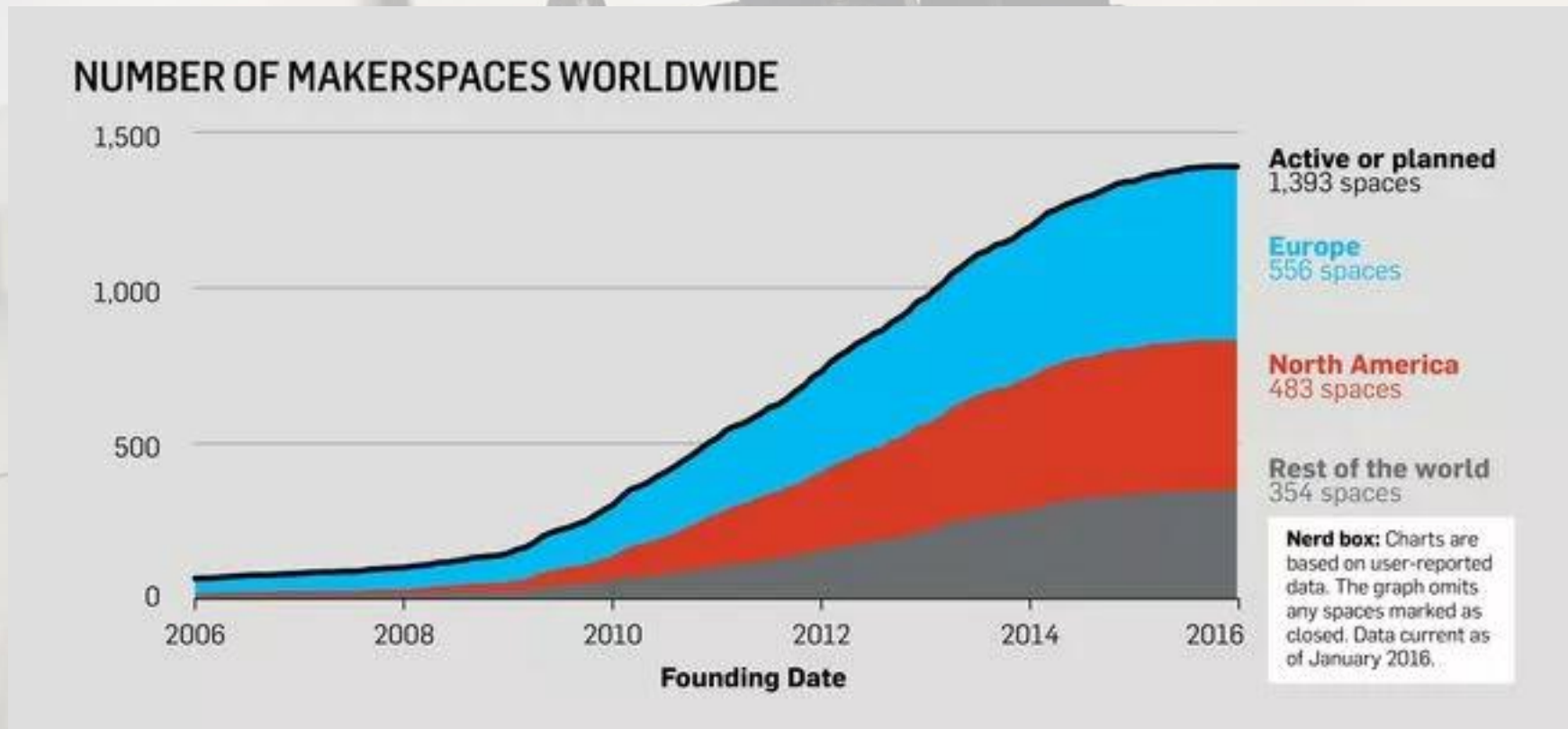
Grassroots multi-purpose spaces and workshops brought into being by communities of makers in order to build, make, fix, craft and engage socially with the world around them.





# The Maker Movement, Scotland

Grassroots multi-purpose spaces and workshops brought into being by communities of makers in order to build, make, fix, craft and engage socially with the world around them.





# Weaving Cooperatives, Guatemala

Cooperative organising  
amongst indigenous  
communities, in a post-conflict  
context





# Freetown Christiania, Copenhagen, Denmark







Questions are perhaps more relevant than ever, given COVID-19:

- Disruption of markets and just-in-time supply chains (food, industrial materials, etc.)
  - Dependence on China, rising international competition/piracy
- Widespread unemployment (new depression?)
- What comes next?
  - Business-as-usual / Open (Re)localisation / Competitive Protectionism
  - Finance





INDUSTRA – 1,200 Face shields, 3,500 'folders', 1,300 face masks

**[ FAB ] BRNO**

3,000+ Face shields



# Mass Production of Nanofiber Masks and Respirators to Start in May in Technology Park

## ŠIJEME ROUŠKY

“We are supporting the use of local production capacity. It is certainly beneficial for all citizens not to be dependent on precarious foreign imports of such vital equipment that protects their health. In addition, I consider it important to support Czech production,” says Mayor of Brno Markéta Vaňková (ODS).



USA Defence Production Act



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## Europe pays high price for outsourcing vital health industries to China

Macron urges rebuilding of ‘EU sovereignty’ in production of essential supplies

“the EU must protect strategic sectors, bring back certain industries, increase our capacity to manufacture and stock in the fields we neglected for decades, such as medicine”

- Adviser to Macron







## Key Questions

*How should we make, and what skills are needed to make, given the looming spectre of economic and environmental crisis?*

Carr & Gibson, 2018, p. 61

How best can communities take back control over their survival?



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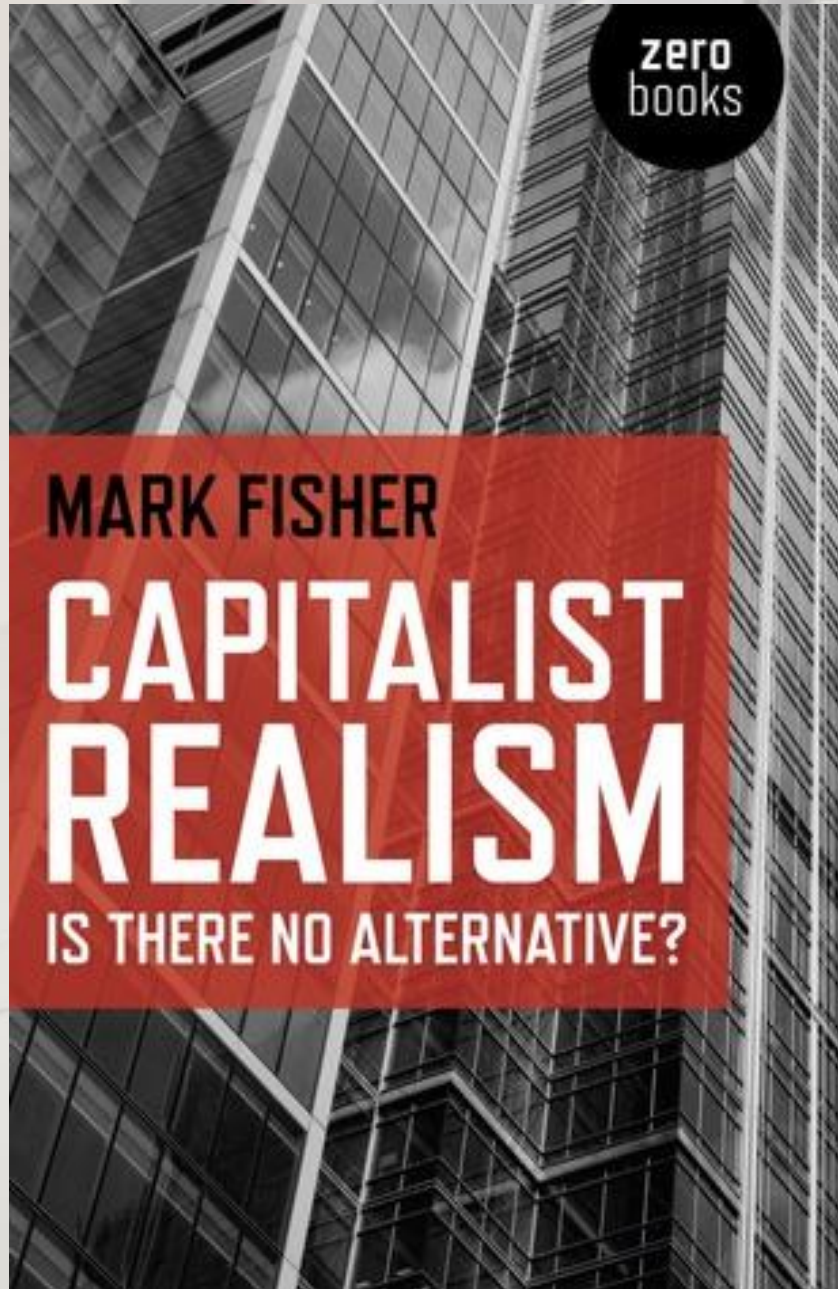
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‘Capitalocentrism’


*“Any challenge to the glories of the free market ... is to be mercilessly put down or mocked out of existence”*

Harvey, 2001: 97–8

‘It’s easier to imagine the end of the world, than the end of capitalism’ - Jameson



# Ethics of a Community Economy



Not just profit at all costs:

Labour: Surviving Well

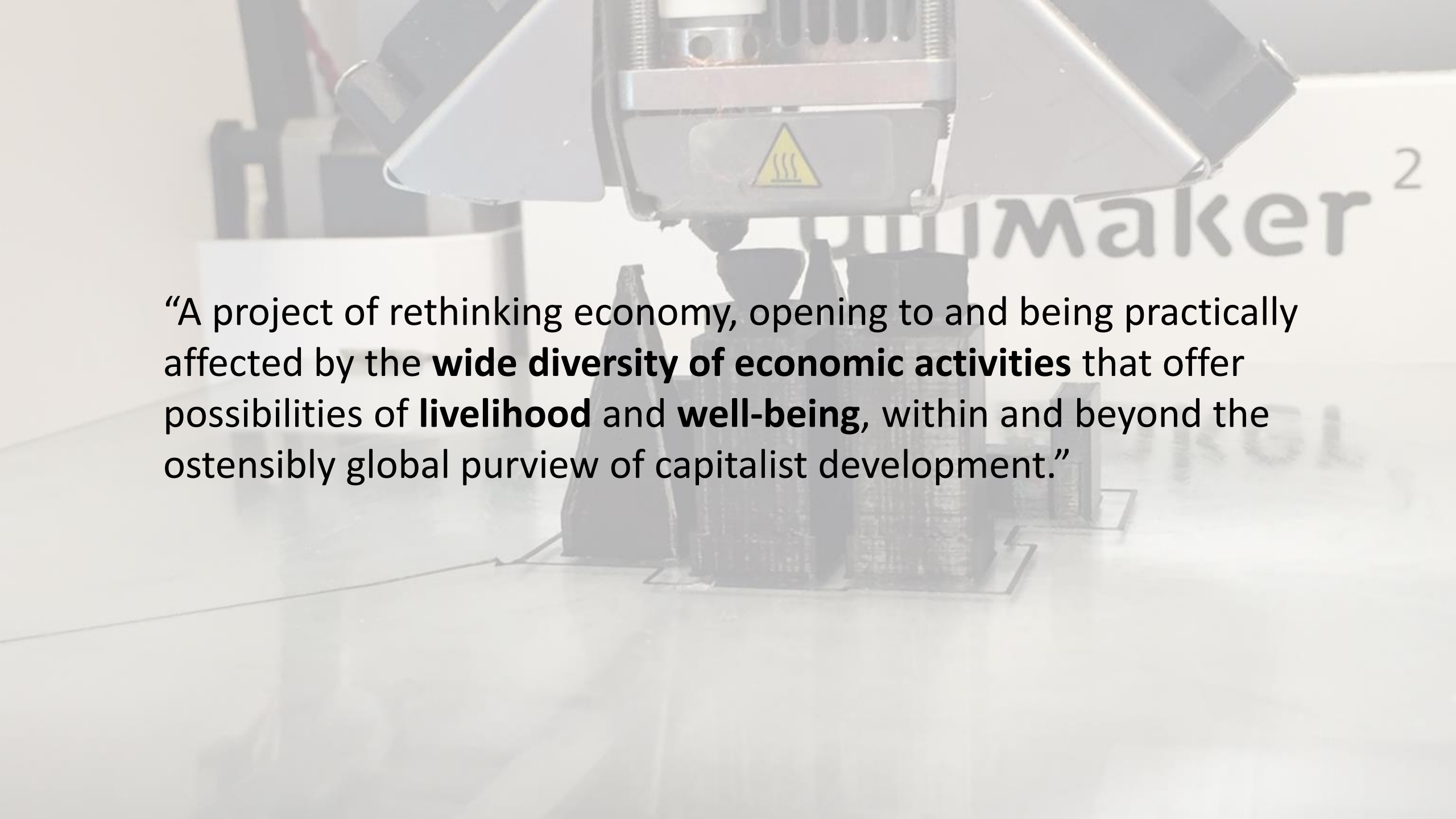
Enterprise: Distributing Surplus

Transactions: Encountering Others

Property: Commoning

Finance: Investing in a Future





“A project of rethinking economy, opening to and being practically affected by the **wide diversity of economic activities** that offer possibilities of **livelihood** and **well-being**, within and beyond the ostensibly global purview of capitalist development.”



- paid wage labour
- production for markets
- capitalist business

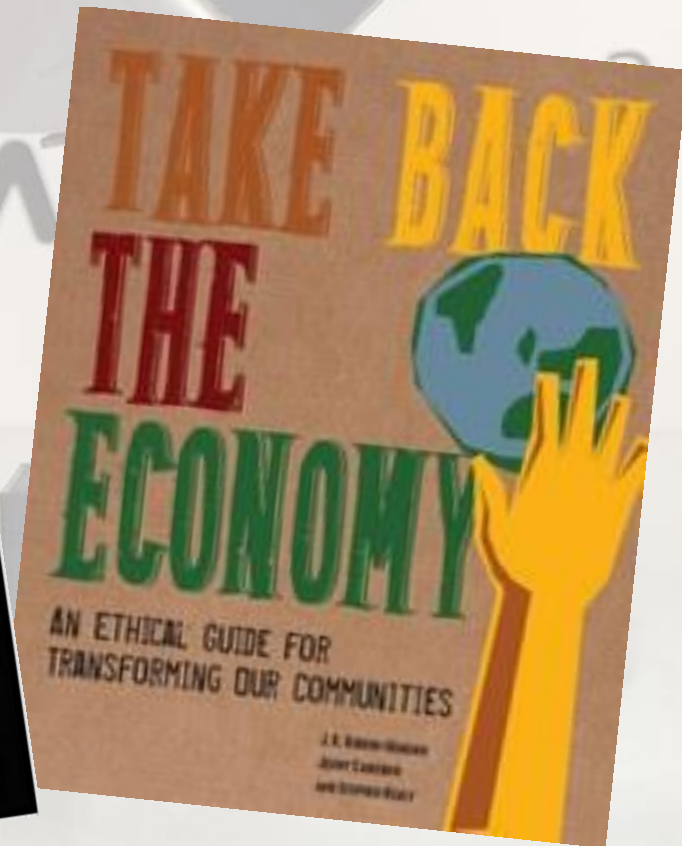
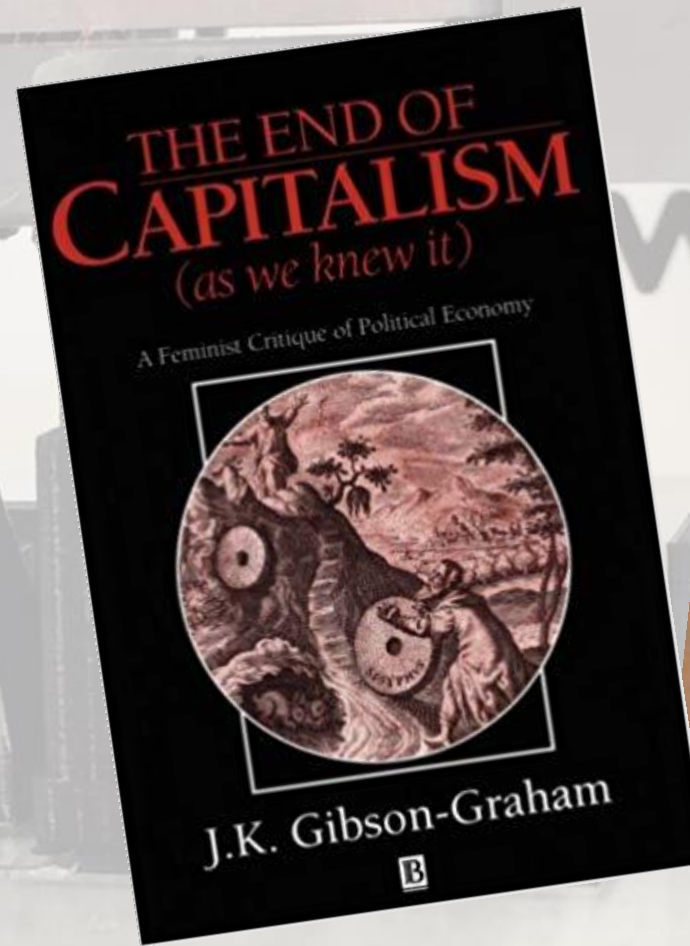
- not for market
- not monetized
- under-the-table

- gifts
- friends favours
- retirement
- children's labour

- in neighborhoods
- on the street
- informal lending
- volunteering
- in schools
- in church/temple

- bartering
- consumer cooperatives
- self-provisioning

- self-employment
- producer cooperatives
- moonlighting
- non-capitalist firms
- illegal
- unpaid

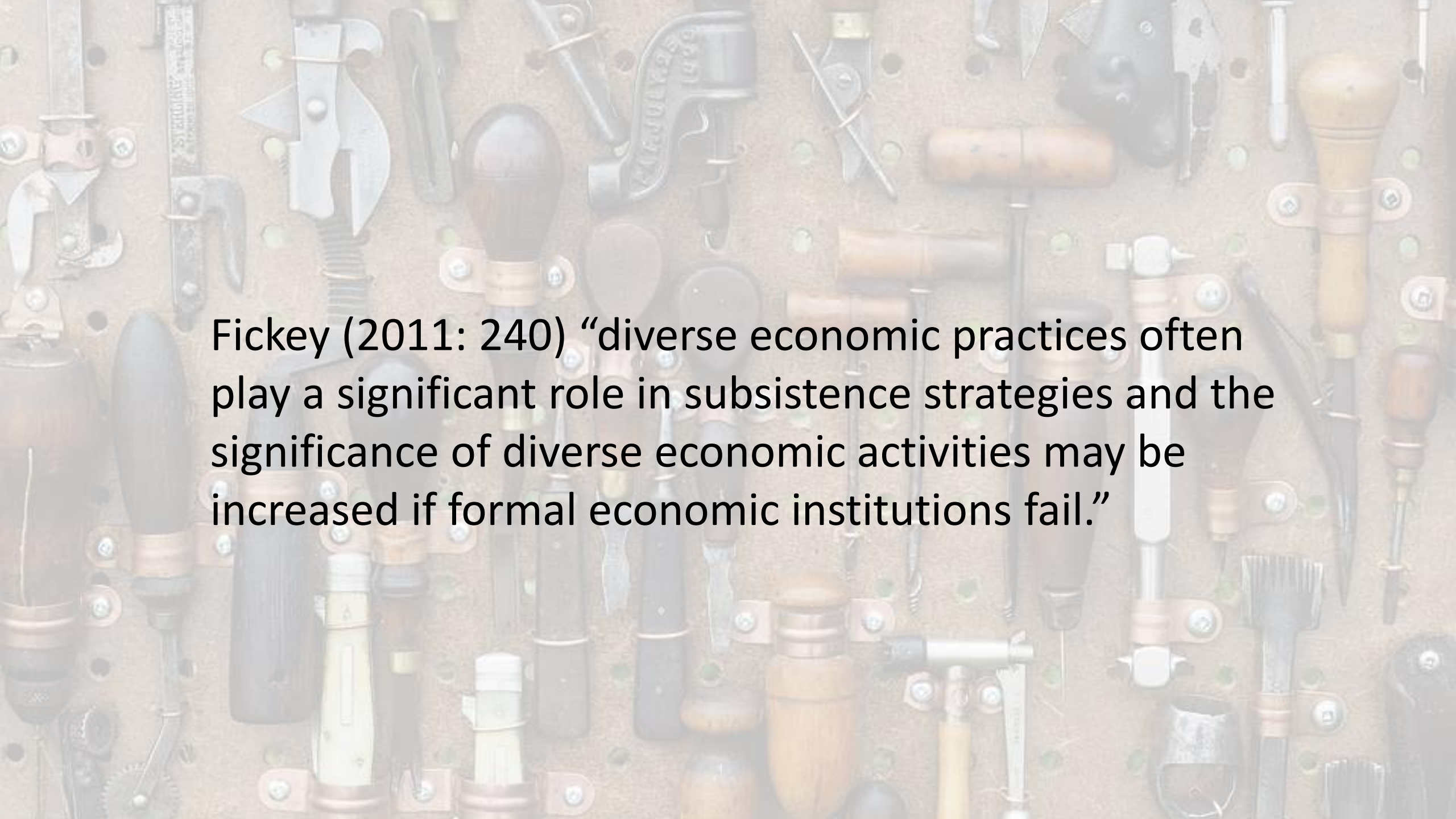




Capitalism co-exists with non-capitalist alternatives in nearly all parts of life, even our homes:





A collection of various tools and instruments, including knives, pliers, and screwdrivers, arranged on a wooden surface. The tools are of different sizes and materials, some with wooden handles and others with metal. They are arranged in a somewhat organized manner, with some tools hanging from the wall and others lying flat. The background is a light-colored wooden surface with a visible grain.

Fickey (2011: 240) “diverse economic practices often play a significant role in subsistence strategies and the significance of diverse economic activities may be increased if formal economic institutions fail.”



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COPENHAGEN DISPATCH

*In Anarchic Corner of Copenhagen,  
Police and Dealers Play Cat and Mouse*



August 26<sup>th</sup>,  
2018











KORT OVER FRISTADEN  
**CHRISTIANIA**

ANNO 2016





KORT OVER FRISTADEN  
CHRISTIANIA  
ANNO 2016

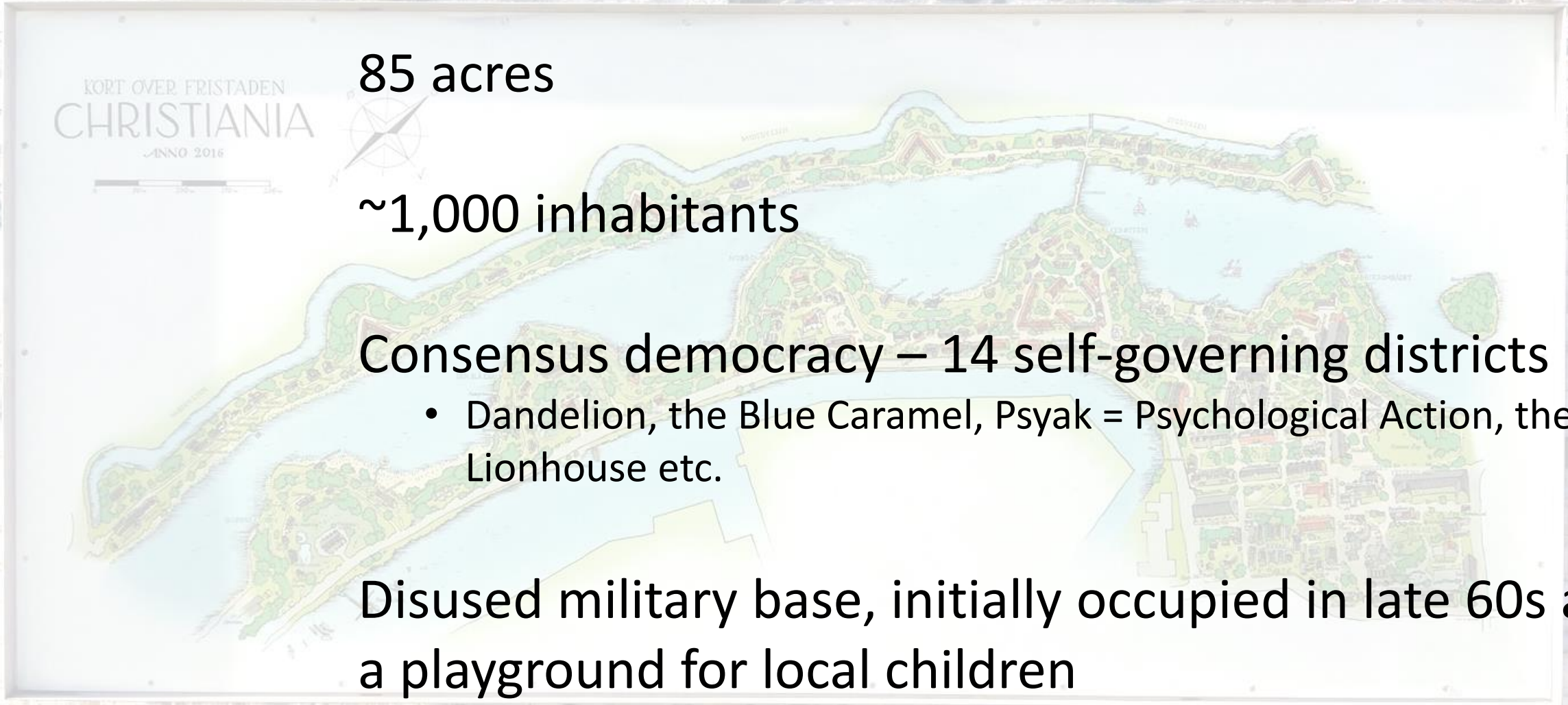
85 acres

~1,000 inhabitants

Consensus democracy – 14 self-governing districts

- Dandelion, the Blue Caramel, Psyak = Psychological Action, the Lionhouse etc.

Disused military base, initially occupied in late 60s as a playground for local children





## Objective of Christiania (1971)

*To build up a self-ruled society, where every single individual can freely develop themselves under responsibility for the community. That this society shall rest economically in itself, and the common strife must still be to go out and show that psychological and physical pollution can be prevented.*





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FRIKØB FRISTADEN

CHRISTIANIA



## FOLKEAKTIE

MERE VÆRD END PENGE

Denne donation er at betragte som et indskud i Fonden Fristaden Christiania som grundkapital og en sikring af Christiania som folkeeje.

### Christiania Share • Share Christiania

This donation is a contribution to the Fund for the Freetown Christiania with the purpose of securing Christiania's status as public heritage.



CHRISTIANIA 1000

CA00007552

CHRISTIANIA HONDEKARDELEN

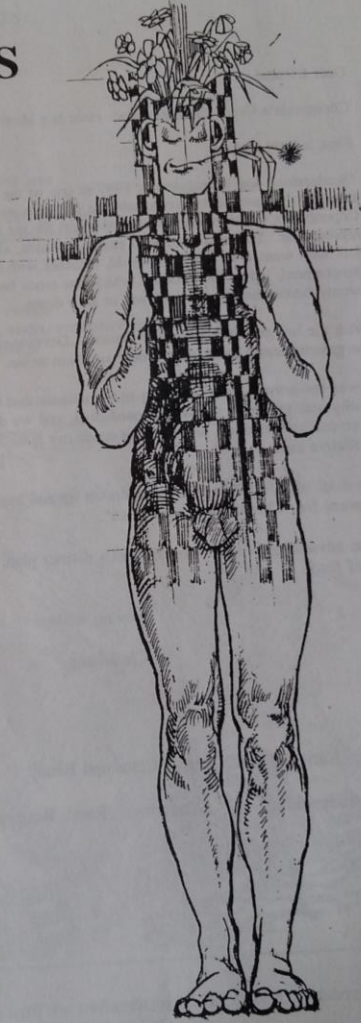




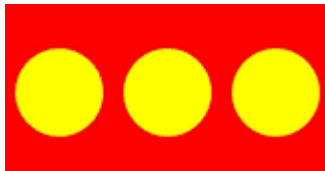


# CHRISTIANIAS GREEN PLAN

Project Designed By  
The Inhabitants Of  
Christiania



DECEMBER 1991



**Objective Goals of Christiania**  
*To build up a self-ruled society, where every single individual can freely develop themselves under responsibility for the community. That this society shall rest economically in itself, and the common strife must still be to go out and show that psychological and physical pollution can be prevented.*  
13/11 1971

discussions and visions.

One of the constant and bearing elements has been the local democracy and self-administration.

## SELFADMINISTRATION

The main objectives of development in freedom can be divided into 3 fundamental principles, which have been deciding for the way in which we wish to arrange ourselves:

1. The principle of self-administration and responsibility.
2. The principle of solidarity.
3. The principle of balance with nature.

*The principle of self-administration and responsibility*

(for the individual, for the area, and for Christiania), together with

*the principle of solidarity (that we stretch our interests from ourselves to others), may be regarded as the basic conditions for free individual development in the social community, and in balance with nature itself.*

With these principles as guidelines, problems can be solved with a minimum of mutual rules. We try to reach common agreements through talks, instead of individual actions.

This kind of democracy renders most kinds of control superfluous.





CHRISTIANIA  
ART  
GALLERY  
SOUTH  
PACIFIC  
OPEN

PHOTO TAKI



KORT OVER FRISTADEN  
CHRISTIANIA  
ANNO 2016

## Economic democracy as 'deep' democracy (Johanisová & Wolf, 2012)

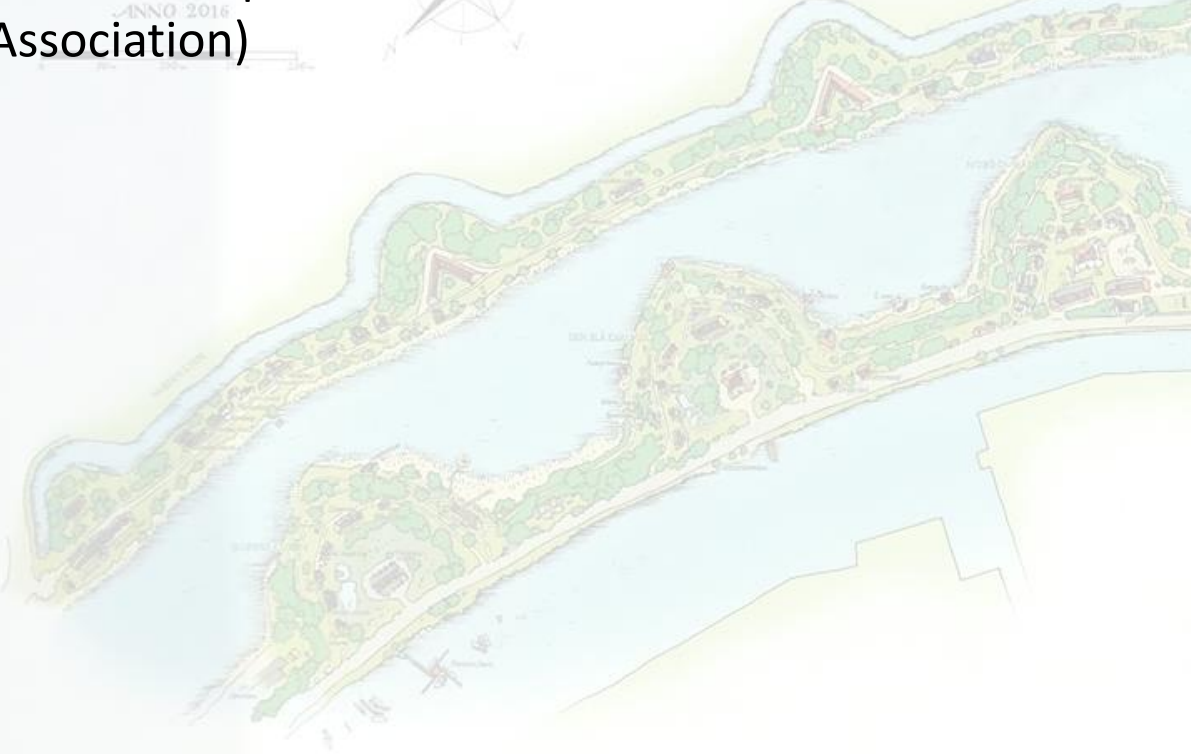


“...broaden the economic democracy discussion to include **regulation of market mechanisms and corporate activities**, support for **social enterprises, democratic money creation processes**, the traditional institution of the **commons, redistribution** of income and capital assets and support for a **diversity of production scales and modes.**”



# Denmark as 'Foreningsland' – Forening Country

Danish co-operative movement dates to 1866 – *Thisted Arbejderforening* (Thisted Working Men's Association)



*'...mistrust of local officials and suspicion of 'standardised and centralised solutions' meant that [in Denmark] popular movements frequently took on a more localist, grassroots character.'*



# Denmark as 'Foreningsland' – Forening Country

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Culturally Embedded:

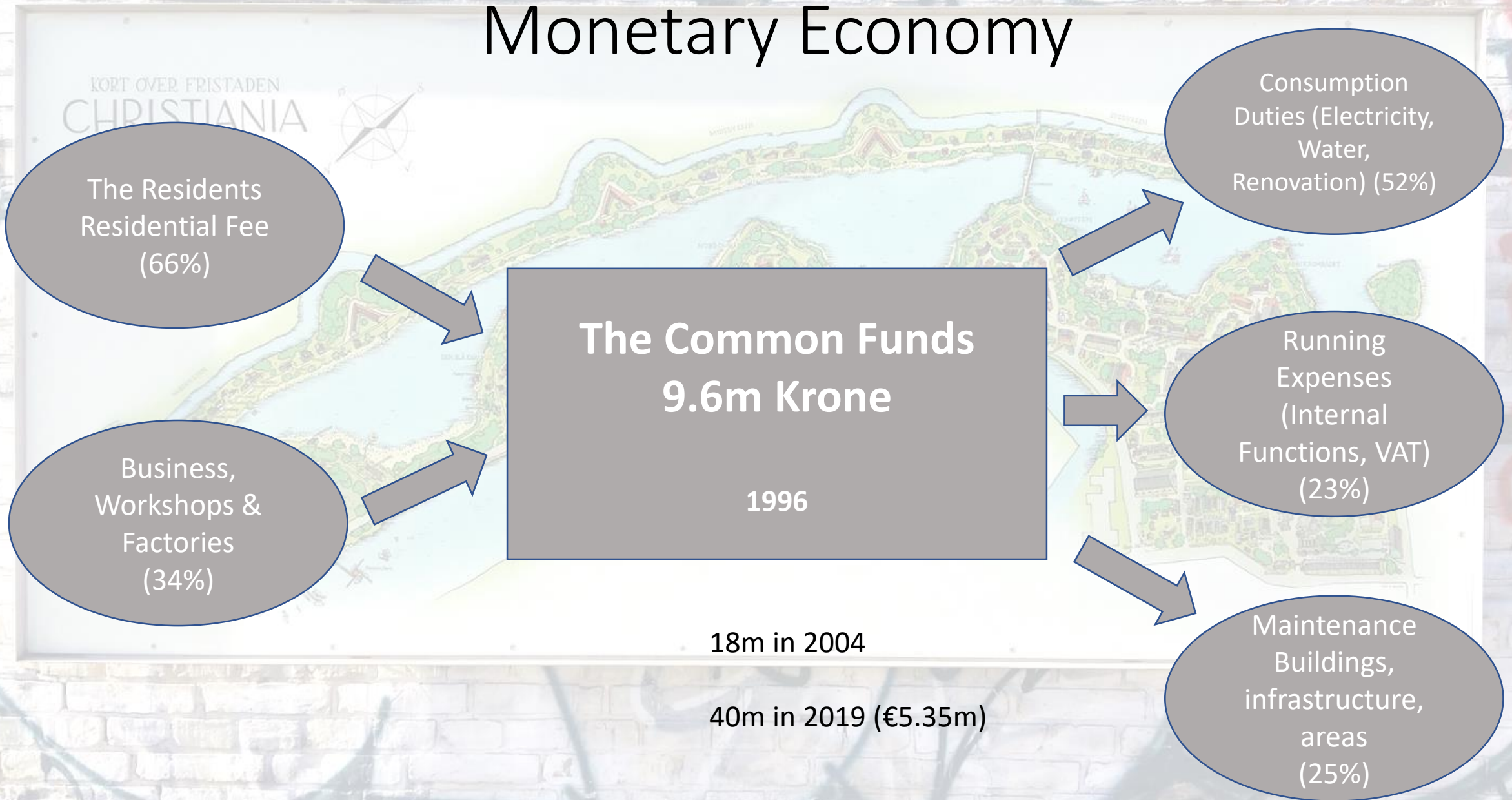
*The co-operatives in Denmark have caused a peaceful social, economic, and political revolution ... **Co-operation in Denmark is not a detached thing...but is very strongly ingrained in the very life of the people.** The economic structure of the nation has been altered; capitalism has been weakened, but the edge of the Marxian sword has also been greatly dulled.*

Bernhard, 1951

Constitutionally guaranteed, in Section 78, since 1849



# Monetary Economy





Clubs and Workshops	Businesses	'Loppe' Building	Total
25	51	14	90
Klubber og værksteder	Virksomheder		Loppebygningen
Angakoq	Abegrotten	Kennys Bod CMP	Cafe Loppen Kontor, 2. sal
Byens Lys	ALIS	King Kong	CafeLoppen
Bøjlen	Bageriet	Kvindesmedien	Christiania TV - Loppebyg
Bøssehuset	Bevar Boden	Lungeklinikken CMP	Deluxe kontor, 2. sal
Både og	Bixen	Malles Cookies	Frede - Loppebyg
Bådeklub Multihuset	CA Teater og Musikforening	Mandelboden	Karmakanonen - Loppebyg
Christianias Festudlejning	Ca. ArtGalleri	Morgenstedet	Kontoret Loppen 2. sal
CSC	Café Inuit	Månefiskeren	Kunsthåndværkerbutik
Den Grå Hal	CAlon	Nemoland	loppebygningens nabovarme
Energiværkstedet	Calon Victor	Nemos Kitchen	Musikloppen
E-Nord	C-Com	Oasen/Gilberts Kaffebar	Rundvisergruppen
Fabrikkens 1. sal	Christiania Bikes	Operaen	Spiseloppen
Fredens Ark Nabovarme	Christiania Is	Optimisten	Veteranbilklubben - Loppebyg
Herfra og videre	Christianias Lune Hjørne	Sativa Tryk/Arkivet	Wings & Wheels/stærke børn
Håndværkstedet	DeLux CPH	Seths Bod CMP	
Keramikværkstedet	Den Grønne Hal	Shoppen CMP	
Kunstart	Falaffelbod CMP	Sinsemilla	
Malerværkstedet	Fat Freddys Farm CMP	Sneak Shoppen	
Meditationsrum	Franco's Bod CMP	Snedkeriet CASO	
Mælkevejens Nabovarme	Fælleskøkkenet	Sprødt	
Natkirken	Galariet	The Essence	
PatchArt	Grønsagen	Tolv/12	
Stalden Børneengen	Helena Design	Vaskeriet	
Sundhedshuset	Indkøberen	WC Fields CMP	
W.C. Fields	Jagas Bod CMP	Woodstock	
		Zion Train CMP	



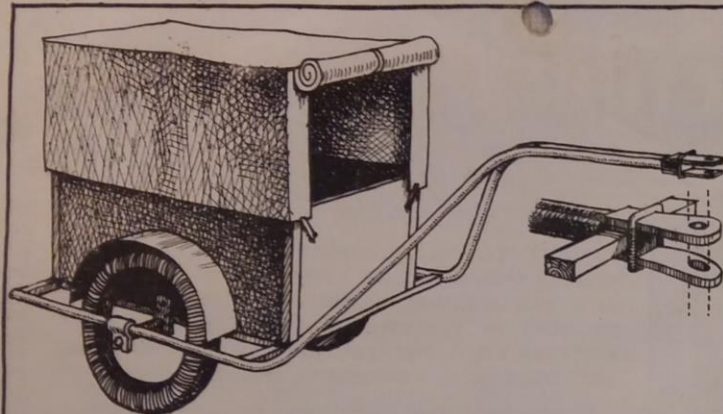
SMEDIEN



CHRISTIANIA  
CYKLER  
Home of the Christianiabike  
christianiacykler.dk  
#christianiabike







### CYKELANHÆNGEREN :

PASSER TIL ALLE STØRRELSER VOKSENCYKLER.

STELLET ER LAVET AF STÅLRØR OG STÅLPROFILER OG MALET MED RUSTBESKYTTENDE MALING.

KASSEN ER LAVET AF VANDFAST KRYDSFINÉR BEHANDLET MED PINOTEX.

HJULENE ER KRAFTIGE 20 x 2 TOMMER TRANSPORTHJUL MED SVÆRE EGERE. SKÆRME AF ALUMINIUM.

#### DIMENSIONER:

KASSENS LÆNGDE : 90 CM  
 " " BREDDE : 50 CM  
 " " HØJDE : 35 CM  
 SPORVIDDE : 62 CM  
 VÆGT : 25 KG.

ANHÆNGEREN KOBLES TIL CYKLEN VIA ET FLEXIBELT GUMMIBESLAG, DER MONTERES PÅ SADELPINDEN.

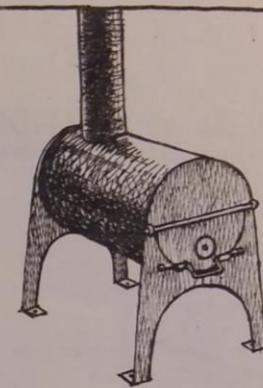
CYKELANHÆNGEREN KAN DESUDEN LEVERES MED KALECHE AF VANDTÆT SEJLDUG, MONTERET PÅ GALVANISEREDE STÅLBØJLER.

PRIS, KØREKLAR:  
 INCL. SKÆRME : 590,-  
 EXTRA FØR  
 KALECHE : 130,-

ANHÆNGEREN ER GODKENDT I FØLGE JUSTITSMINISTERIETS BEKENDTGØRELSE NR. 158 AF 26. APR. 1977.  
 MAX. LAST 100 KG.

OVNENE ER ALLE LAVET I KRAFTIG PLADE 6-12 mm. DE KOMBINEREDE PEJSE OG BRÆNDEOVNE ER FØRSYNET MED ILDFASTE STEN I BUNDEN AF ILDSTEDET.

**HESTEOVNE** ER DEN MINDSTE BILLIGSTE MODEL. DIAMETER : 32 cm  
 LÆNGDE : 60 cm  
 PRIS : 600,-  
 OPVARMER 10-30 m<sup>2</sup> RUM.

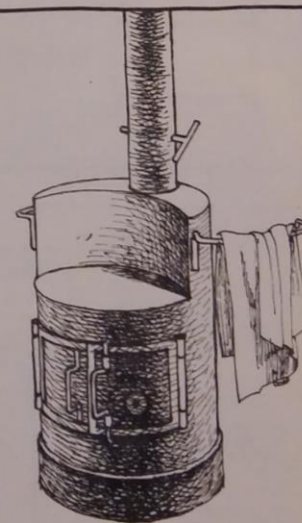


**RUNDOVNE** LAVER VI I 3 FORSKELLIGE STØRRELSER. I LUKKET TILSTAND FUNGERER DEN SOM EN EFFEKTIV BRÆNDEOVN, DER MED SINE TÆTTE LUGER OG DET INDBYGGEDE RUNDTRÆK UDNYTTER TRÆETS VARME GODT. ÅBNER MAN DE STORE LUGER, HAR MAN EN PEJS.

#### DE 3 MODELLER :

	LILLE	MIDDEL	STOR
DIAMETER	40	45	50
HØJDE	80	90	100
OPVARMER RUM PÅ	30 m <sup>2</sup>	50 m <sup>2</sup>	80 m <sup>2</sup>
AFTRÆKSRØR	14,5	16	16
PRIS	1300,-	1500,-	2000,-

ALLE MÅL I CM.







GEVINDT...

Watergard

15 14 13 11 10 9 8 7

TROLLULL

TROLLULL



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**Kvindesmedien**  
Mandag - Fredag 12 - 17  
Lørdage 11 - 15  
Bestillingsgaver udføres

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WE'RE  
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[shop.kvindesmedien.dk](http://shop.kvindesmedien.dk)









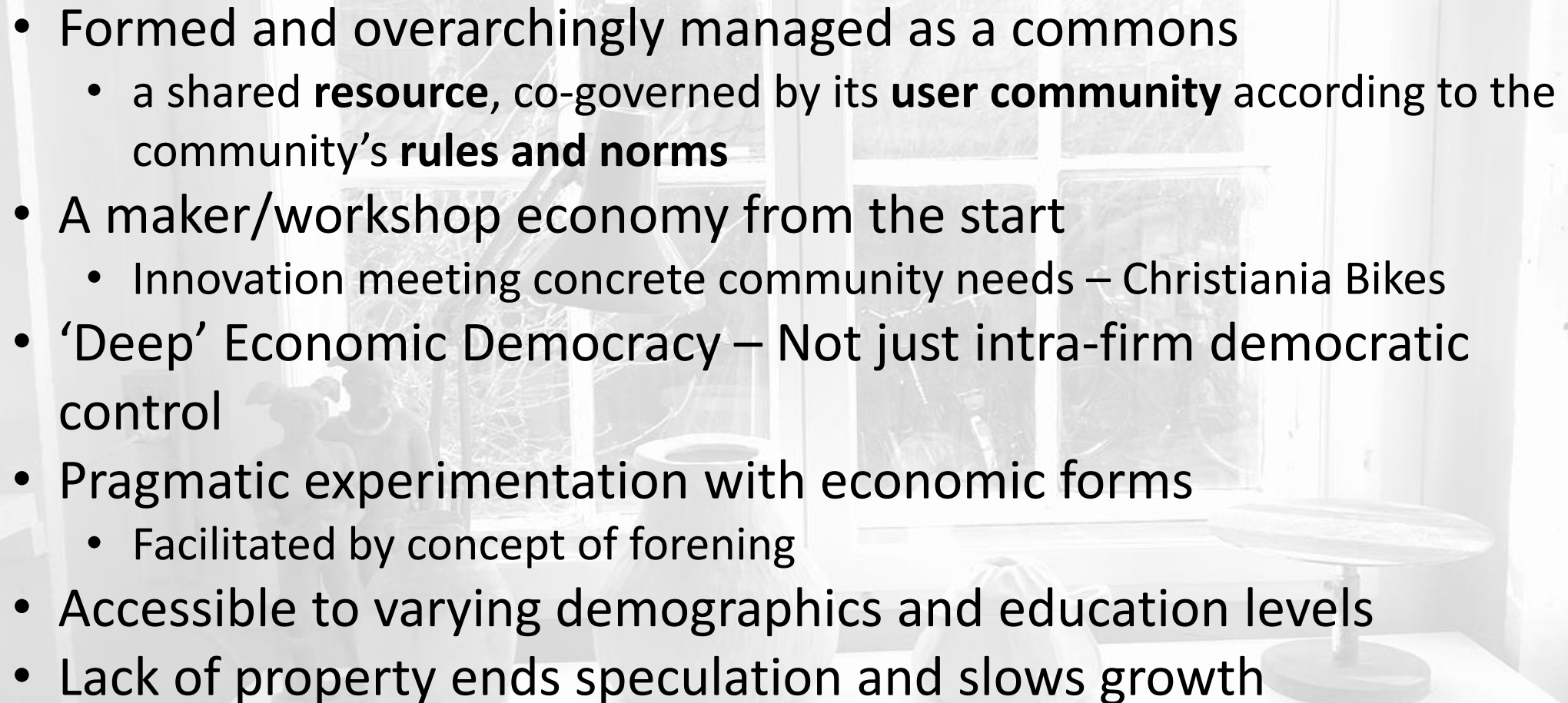










- 
- Formed and overarchingly managed as a commons
    - a shared **resource**, co-governed by its **user community** according to the community's **rules and norms**
  - A maker/workshop economy from the start
    - Innovation meeting concrete community needs – Christiania Bikes
  - ‘Deep’ Economic Democracy – Not just intra-firm democratic control
  - Pragmatic experimentation with economic forms
    - Facilitated by concept of forening
  - Accessible to varying demographics and education levels
  - Lack of property ends speculation and slows growth





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Thanks for listening!

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