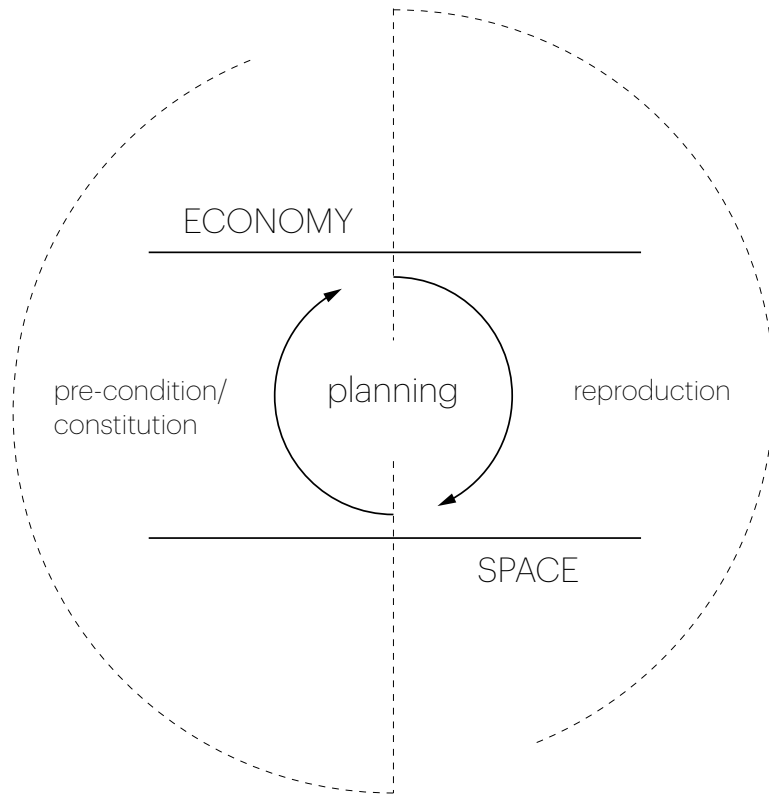


Spatial Development in a Post-Capitalistic Economy

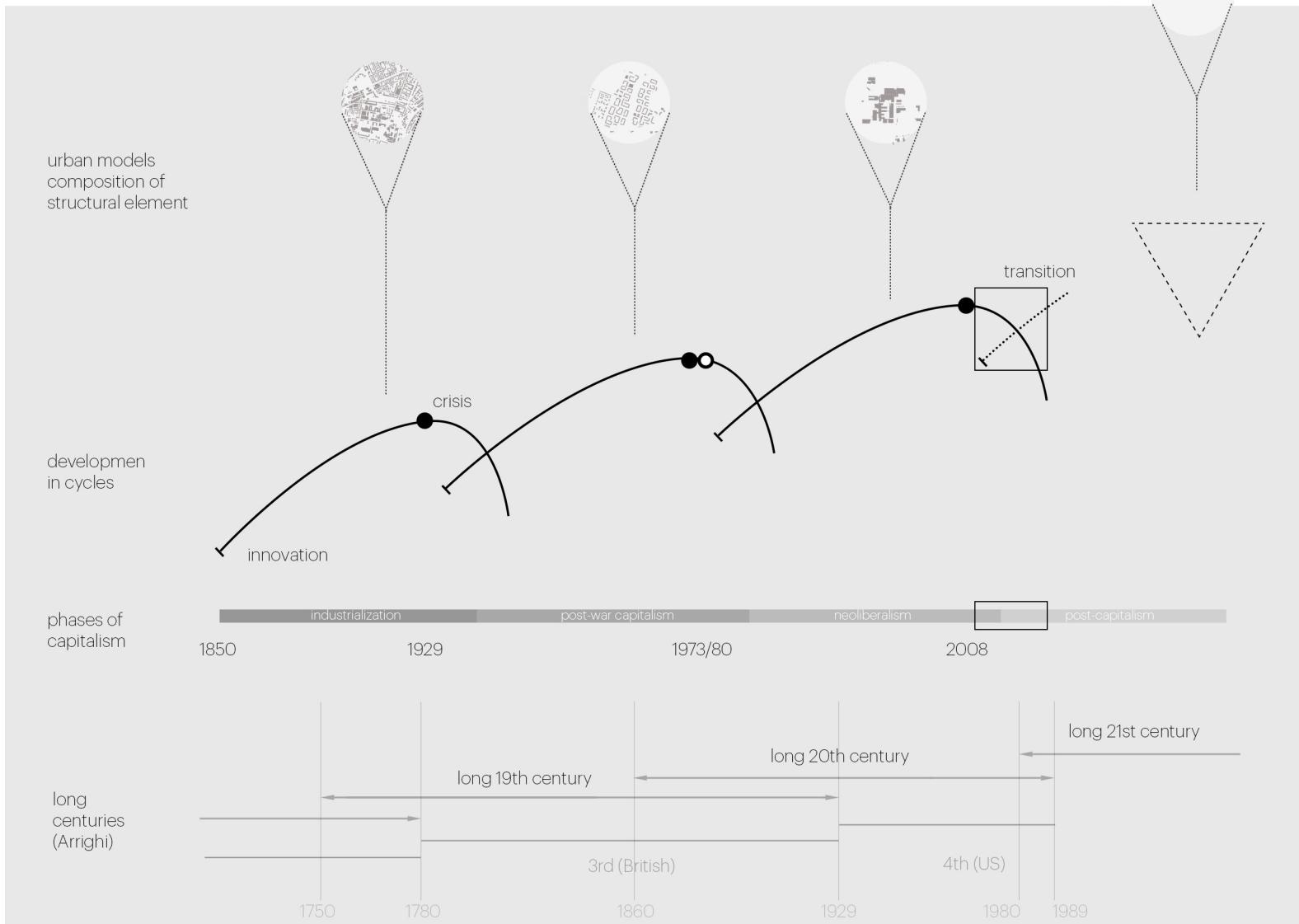
A Contingency Plan for Leipzig and its Region

P5 Presentation
Maximilian Einert



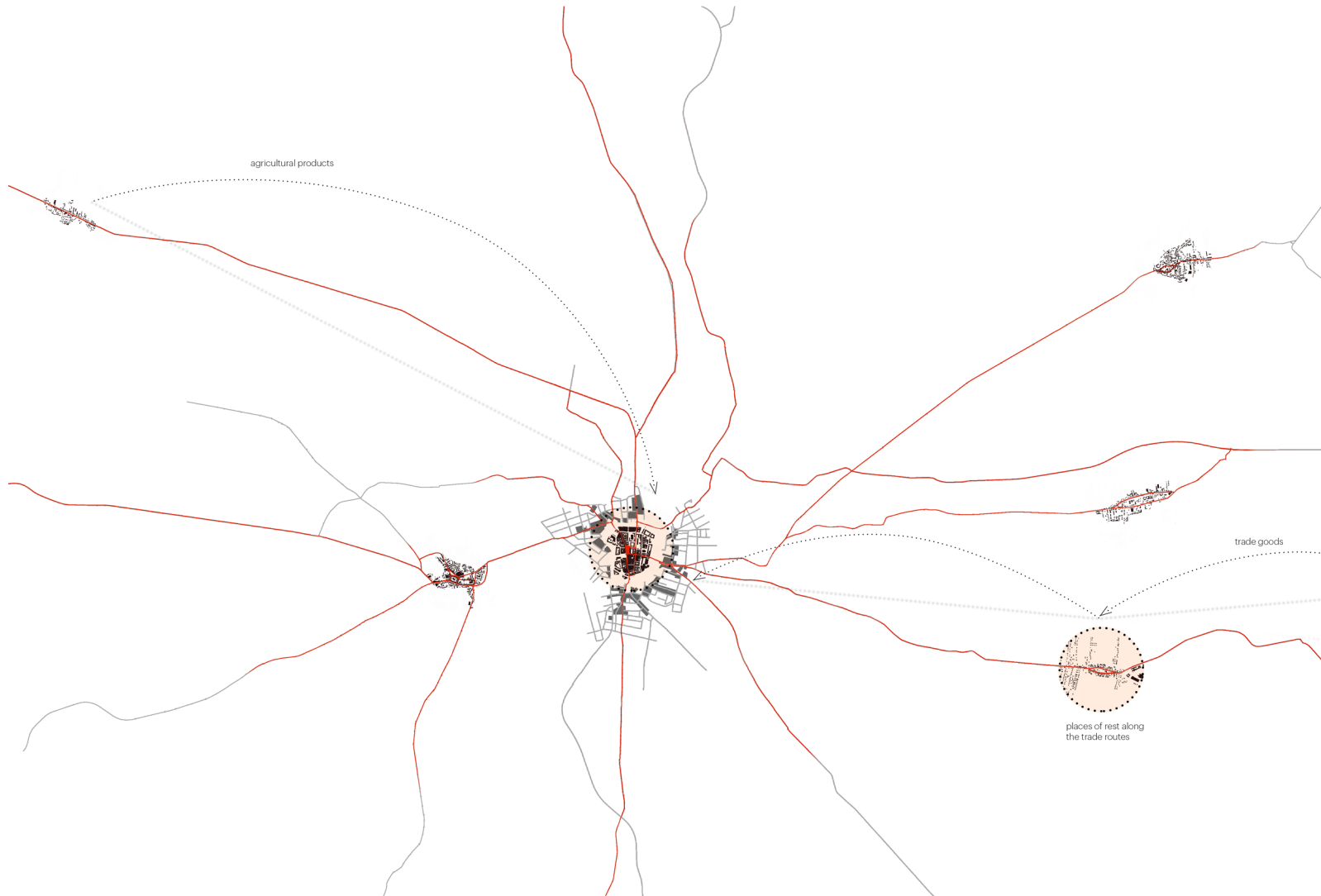


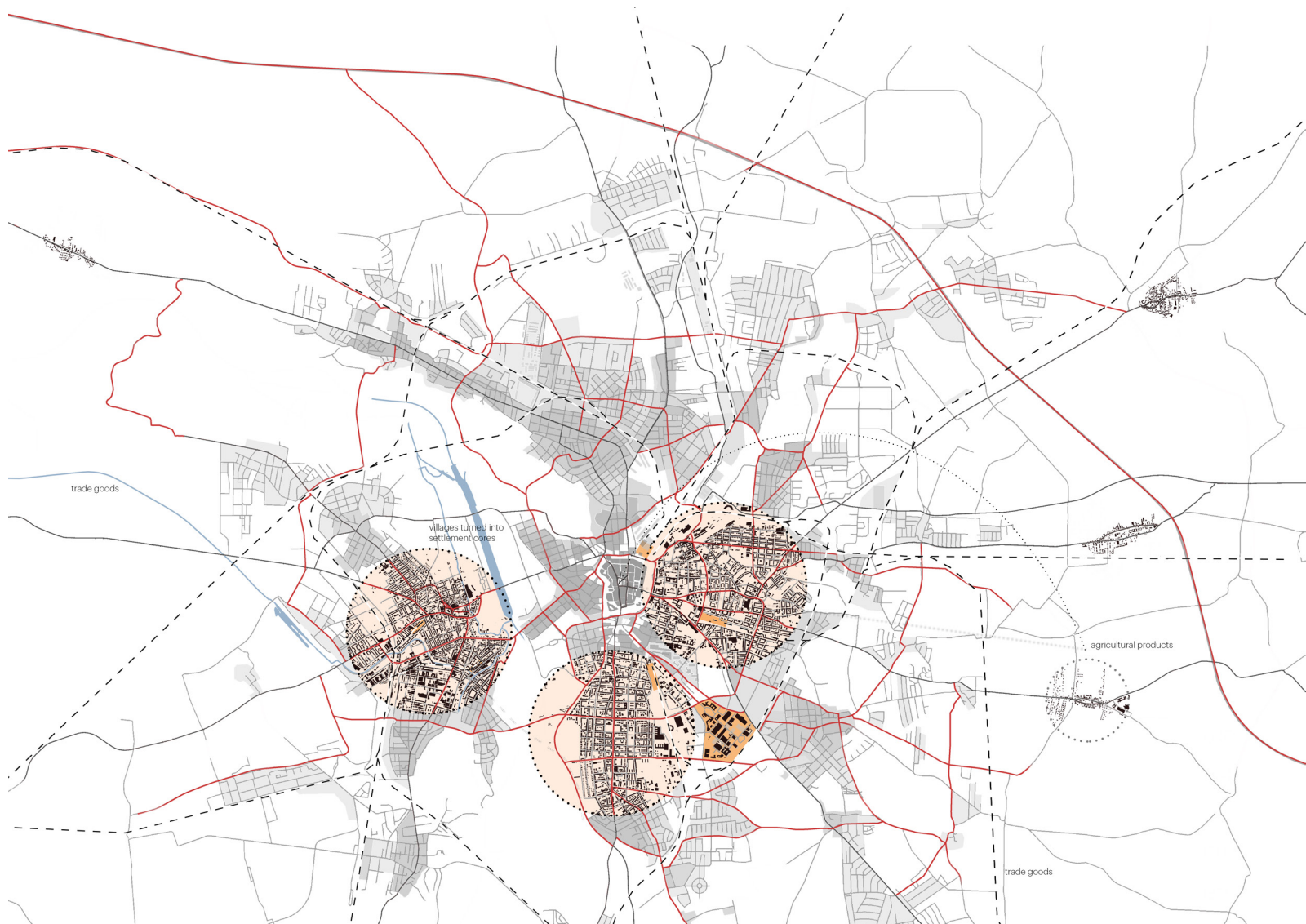
Parenti
Marx



Brenner
Arrighi



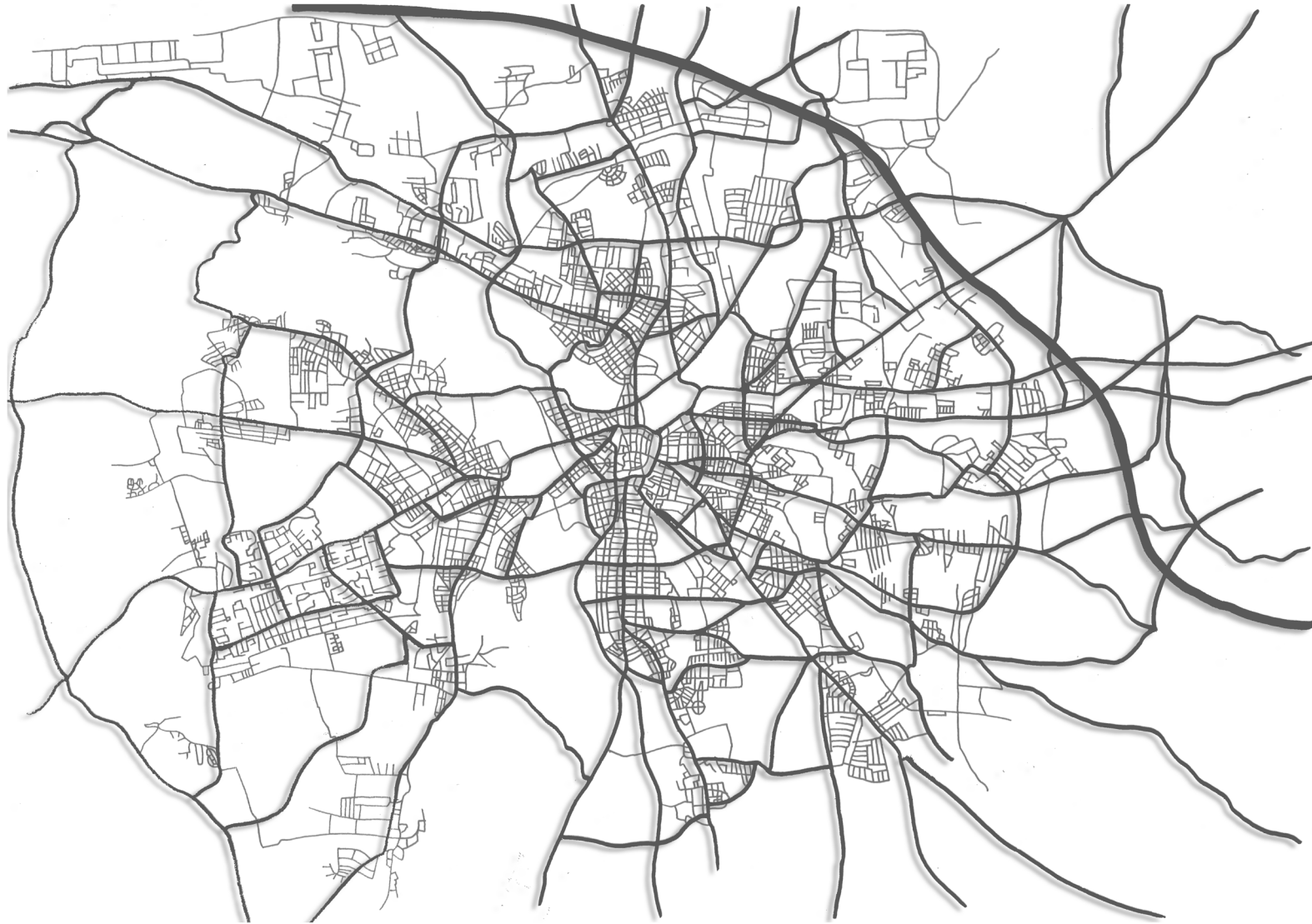








Super Grid

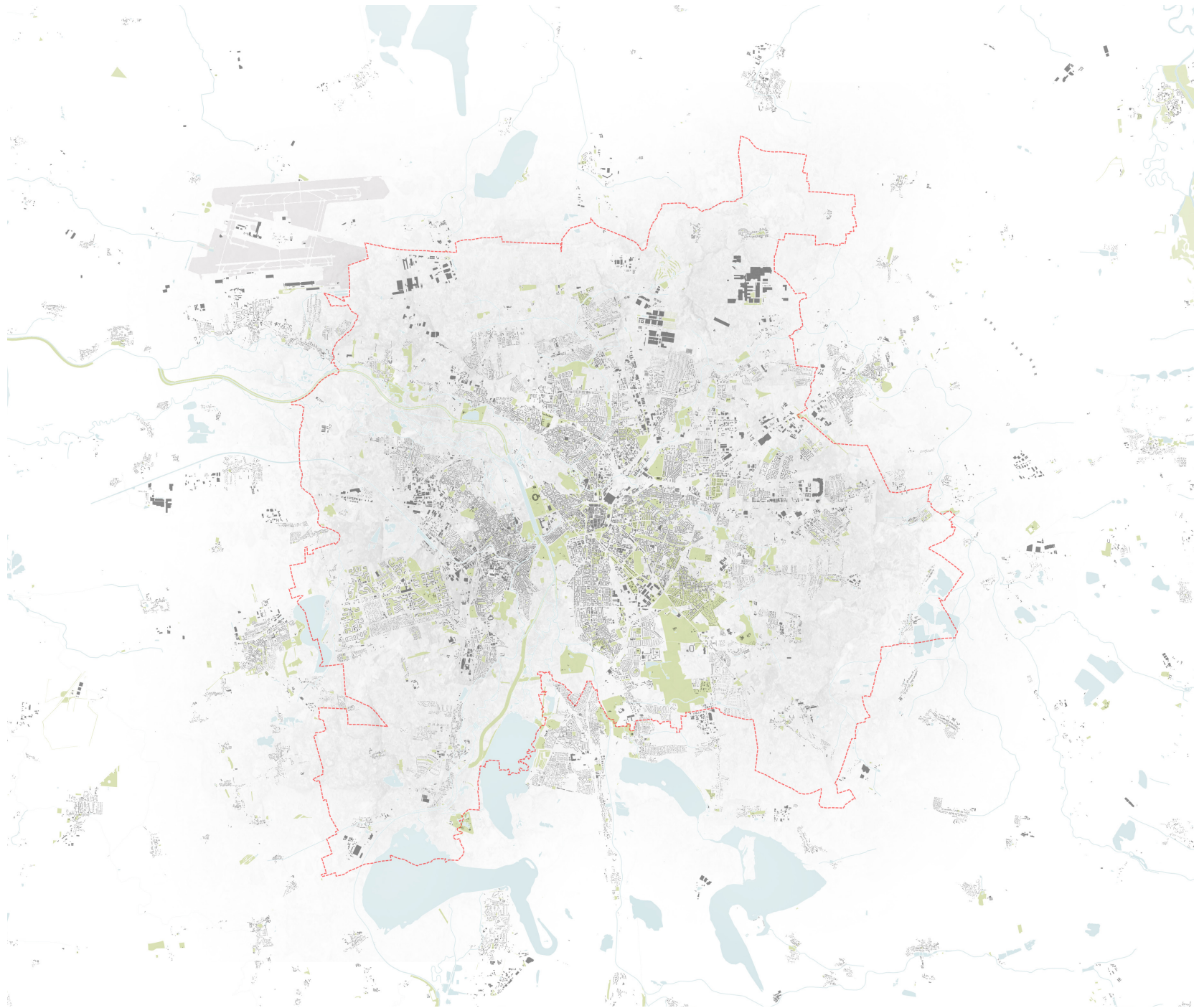












CAPITALISM

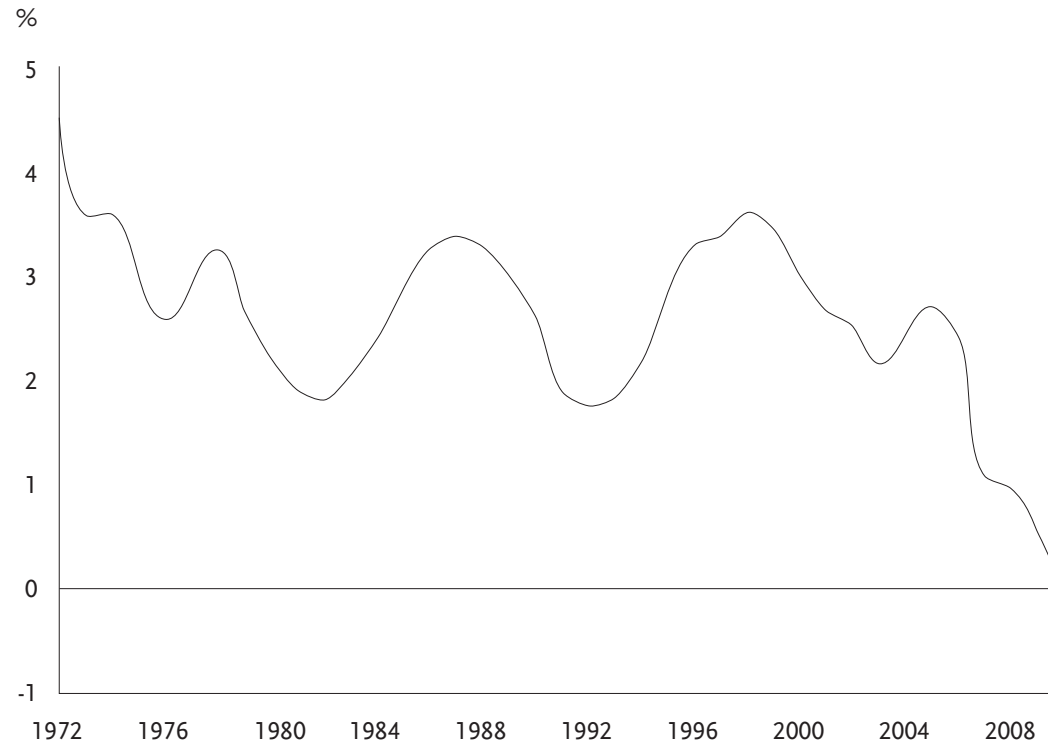
dynamic historical phenomenon
cyclic development

economic order, social order and ideology
system of comprehensive social organization

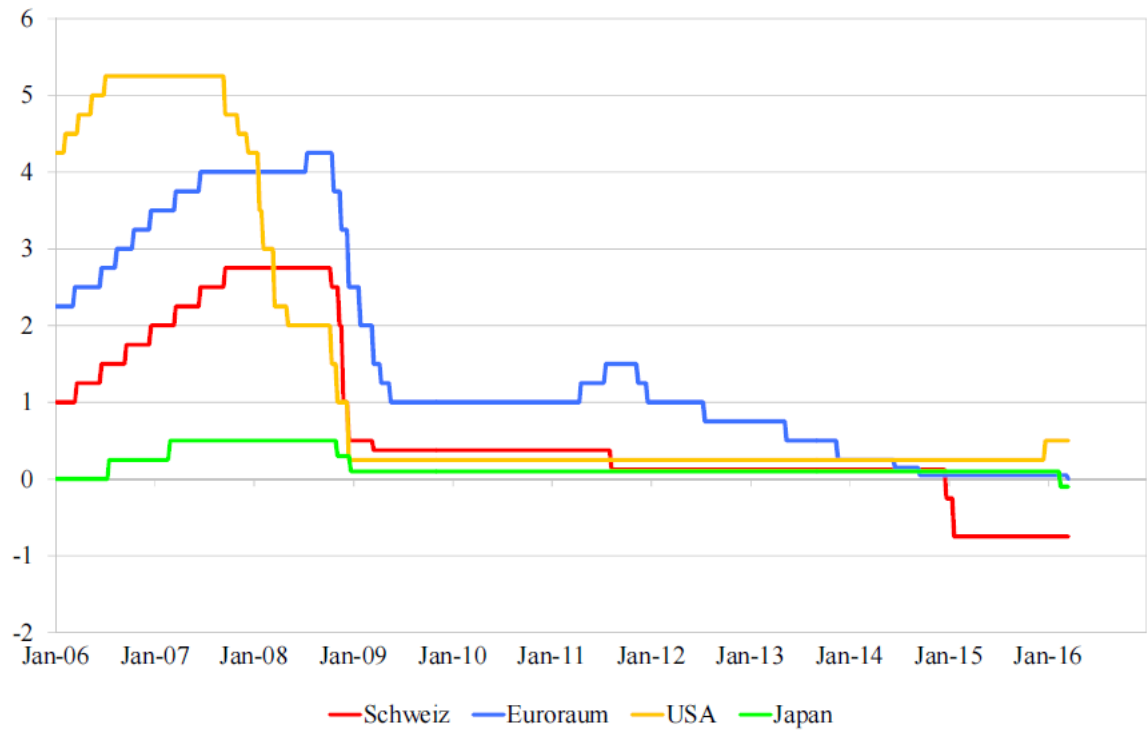
structural inequality
scarcity and rationality

individual profits and endless growth

Economic Crisis

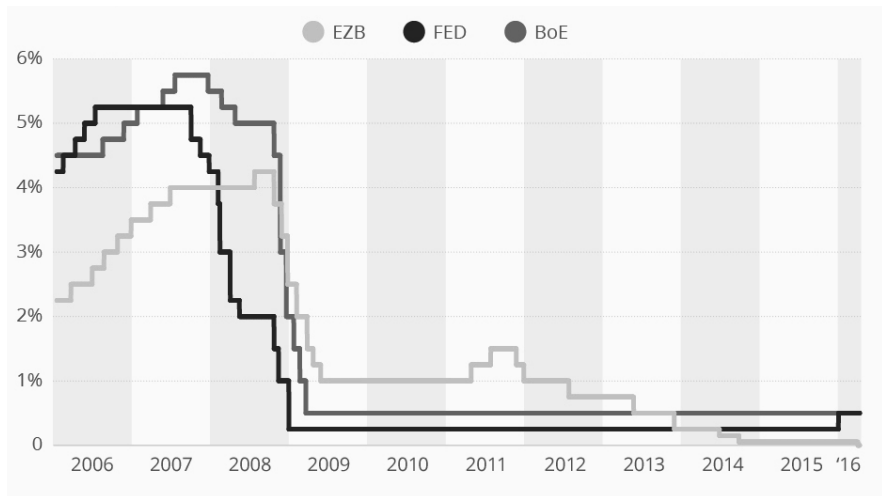


Average growth rates of 20 OECD countries, 1972-2010
OECD Economic Outlook: Statistics and Projections. in Streeck 2014

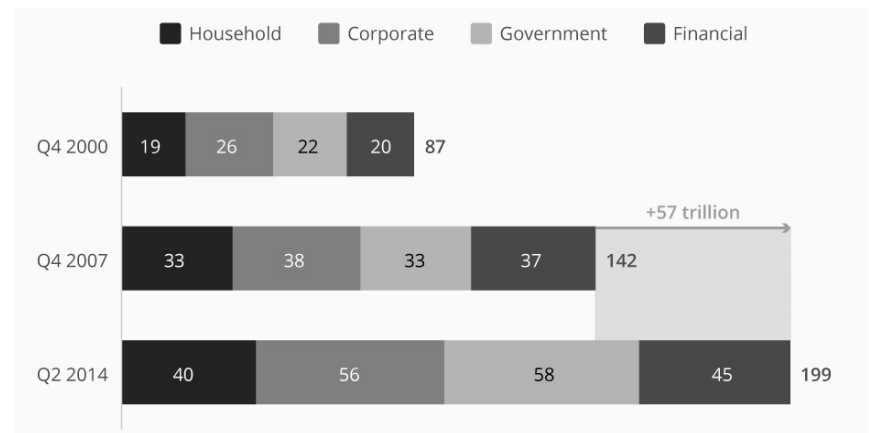


Quellen: SNB, EZB, Fed, BOJ

Average growth rates Switzerland, Eurozone, USA, Japan 2006-2016
 Sources: SNB, EZB, Fed, BOJ realit.ch/

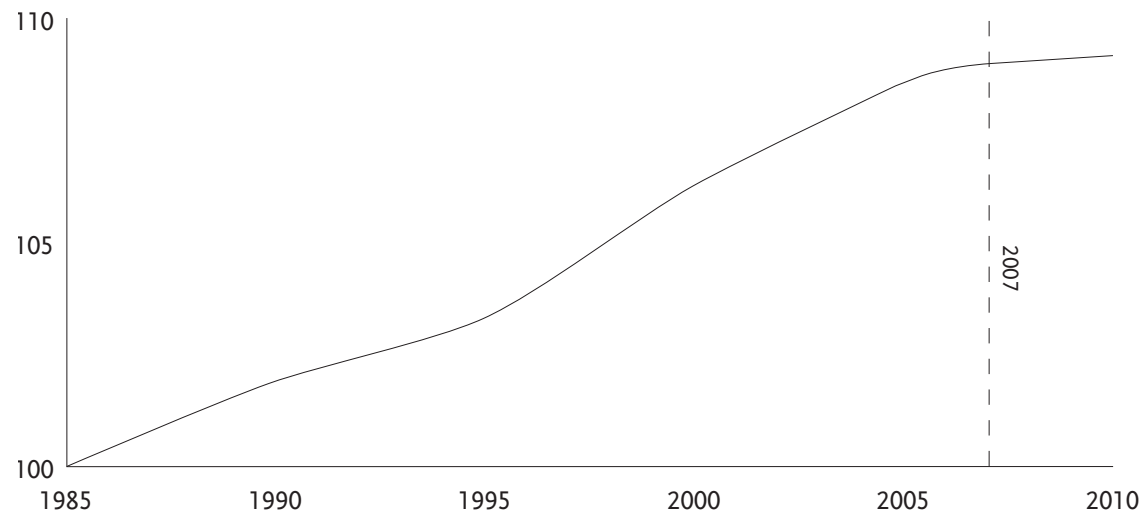


Base rates European Central Bank, Federal Reserve System, Bank of England
 Statistica.com



Global overall debts, 2000-2014
 McKinsey Global Institute. Statistica Charts 2015

Legitimation & Inequality
Social Crisis

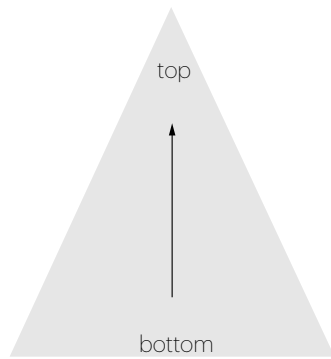


*Gini coefficient OECD average, 1985-2010
OECD Income Distribution Database. in Streeck 2014*

Keynesian | Social Market Economy

Neoliberal Economy

Capital Accumulation



Profits



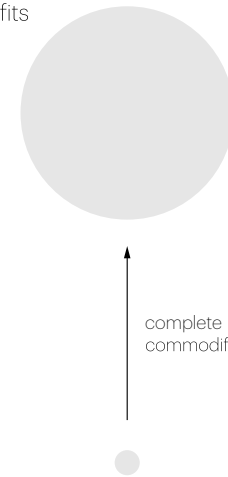
Benefits



Distribution



Real Benefits



complete commodification

disembedded economy (Polanyi)

relatively min.
neg. externalities

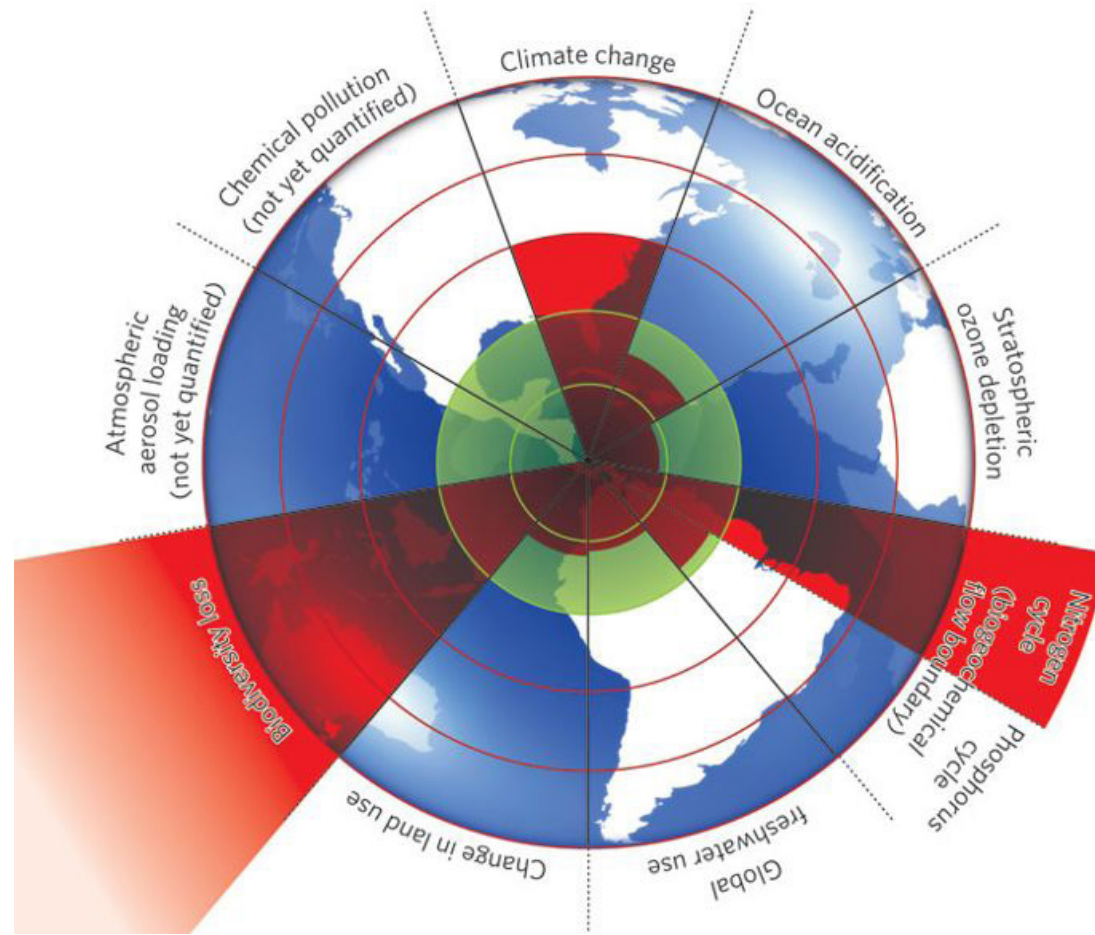
relatively max.
neg. externalities

Environmental
Crisis

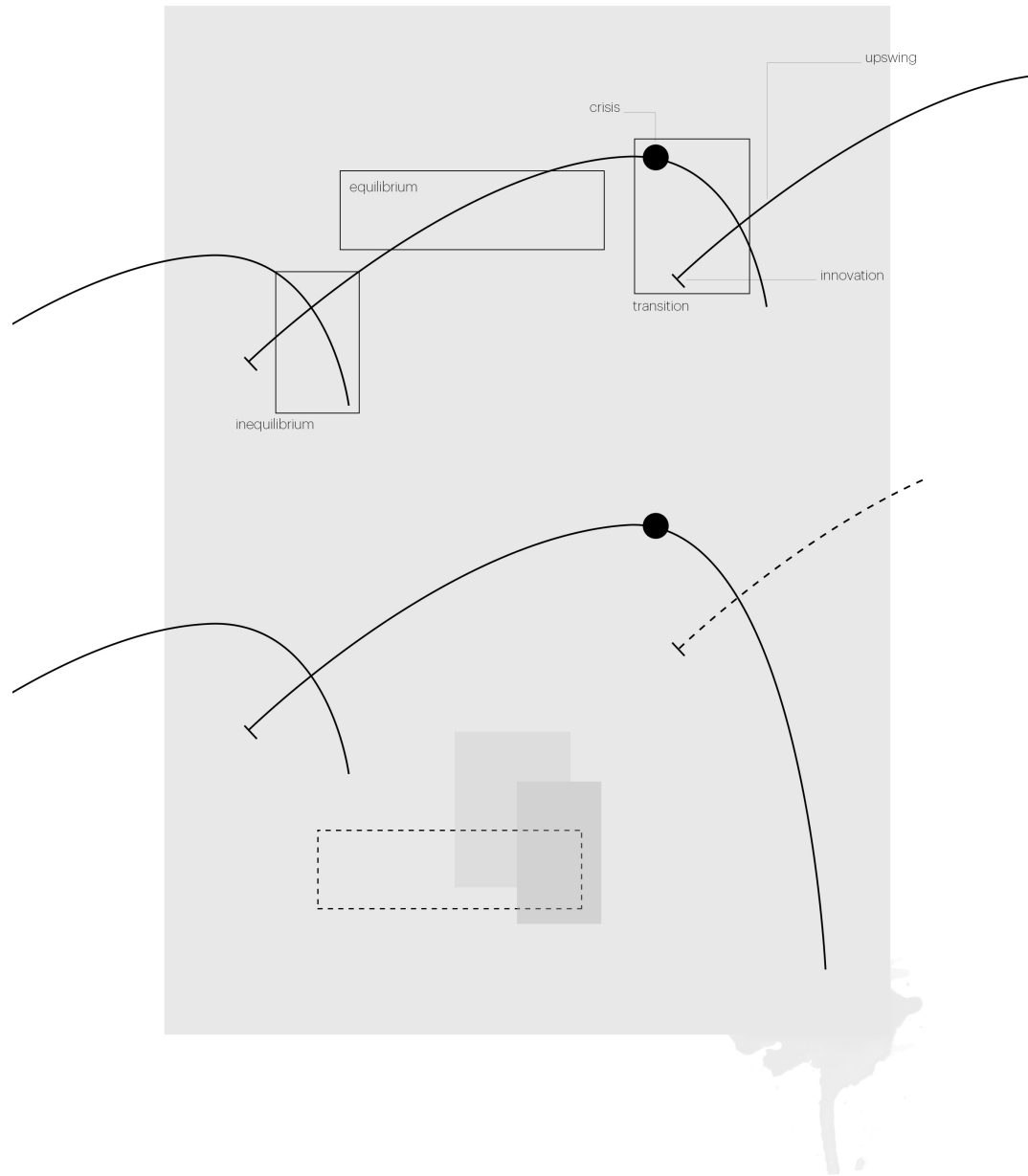


Zeit Online 2013

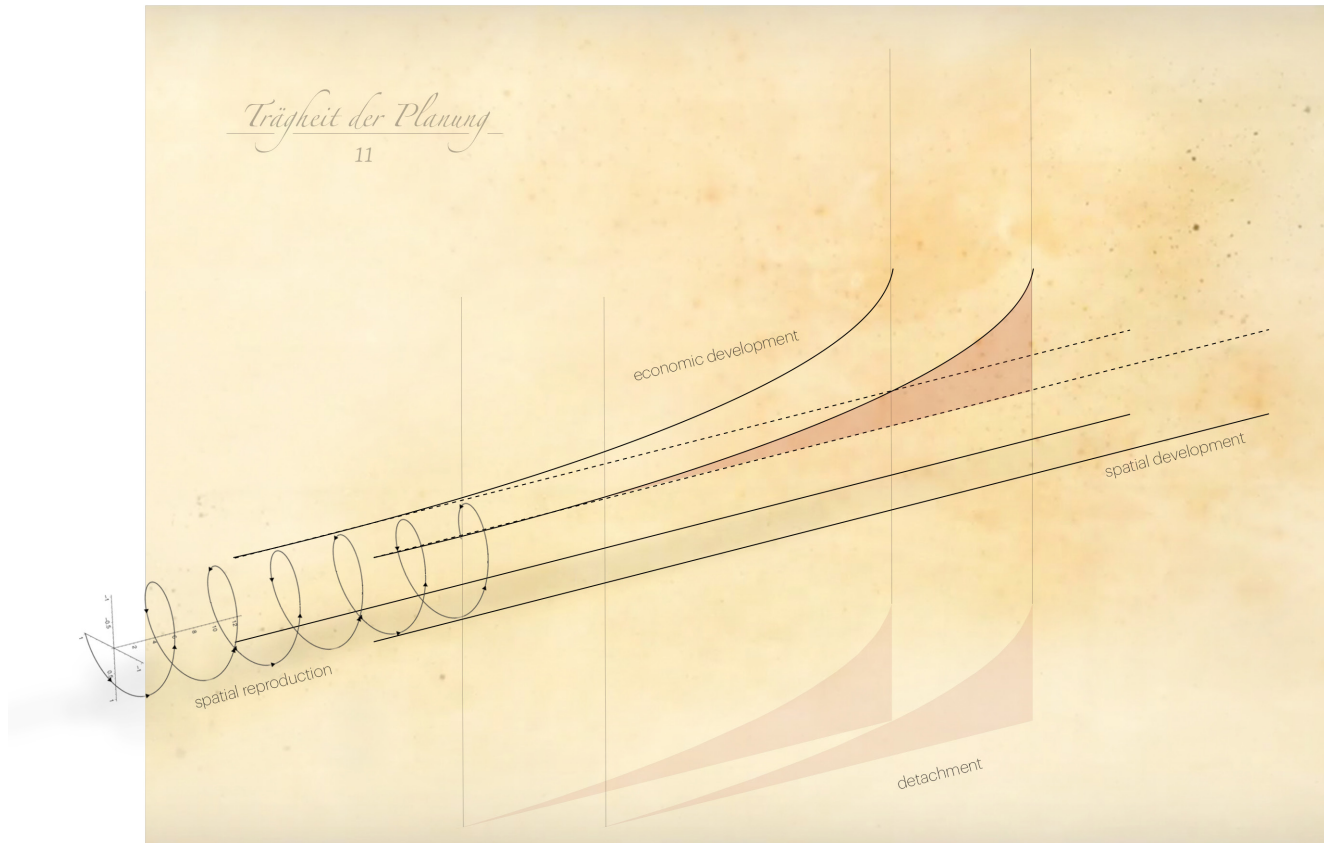
Marx



Beyond the Boundaries
 Rockström et al. (2009)



Problem Statement

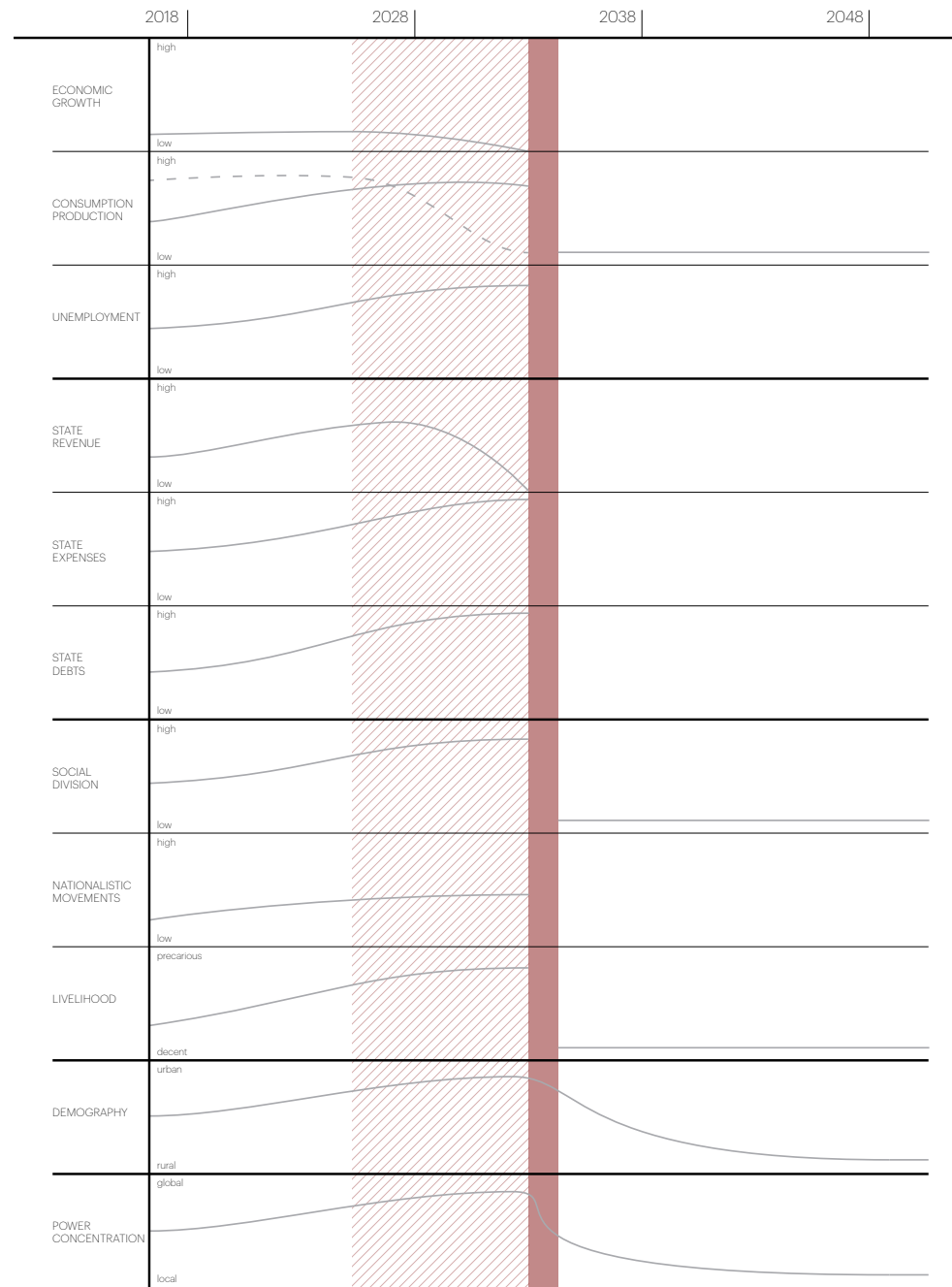


Research Question

What impacts could post-capitalistic socio-economic relations have on the spatial and social organization of urban agglomerations?

What will happen if capitalism fails?

The End of Capitalism: Process & Event



Global Supply
Chains



mobileworldlive.com

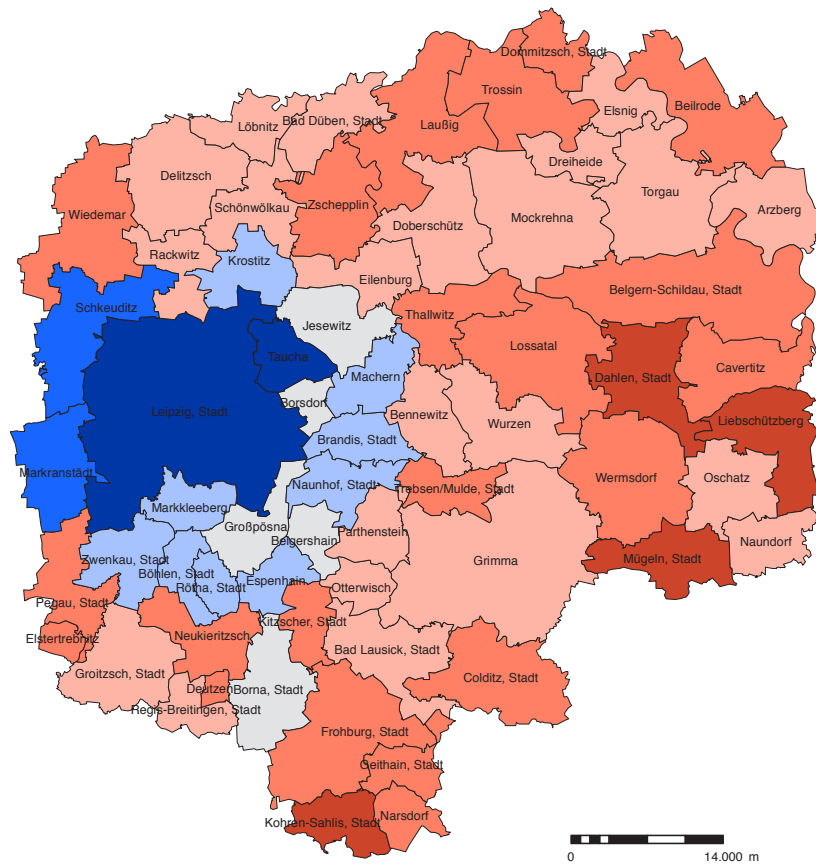
Food Supply



wfpusa.org

The Separation between
Urban and Rural





Stadt Leipzig Dezernat Stadtentwicklung und Bau (2017):
Monitoringbericht 2016/2017.

“The foundation of every division of labour [...] is the separation between town and country. It may be said, that the whole economic history of society is summed up in the movement of this antithesis”

Marx 1887, Section 4

Oil Supply



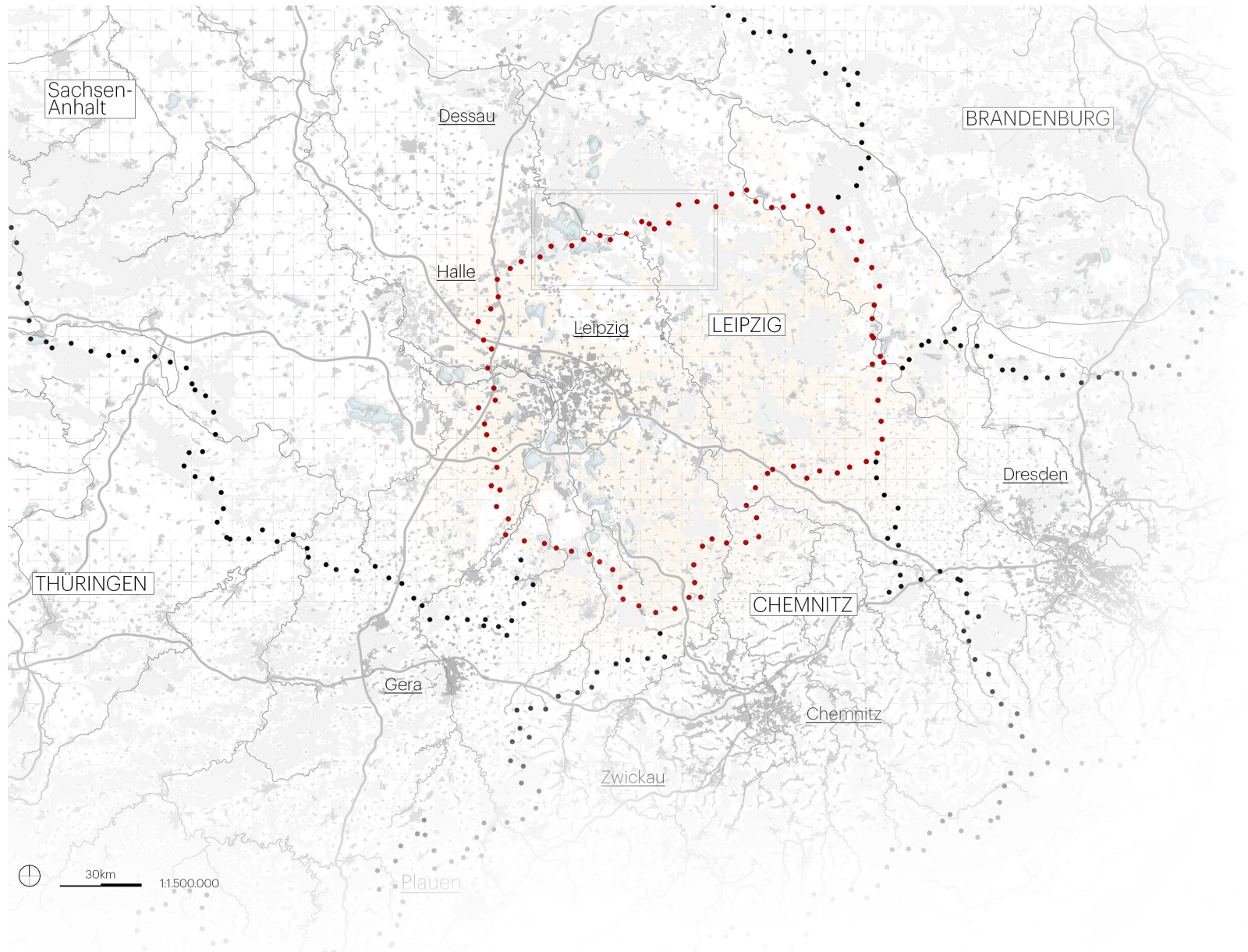
gsmlondon.ac.uk



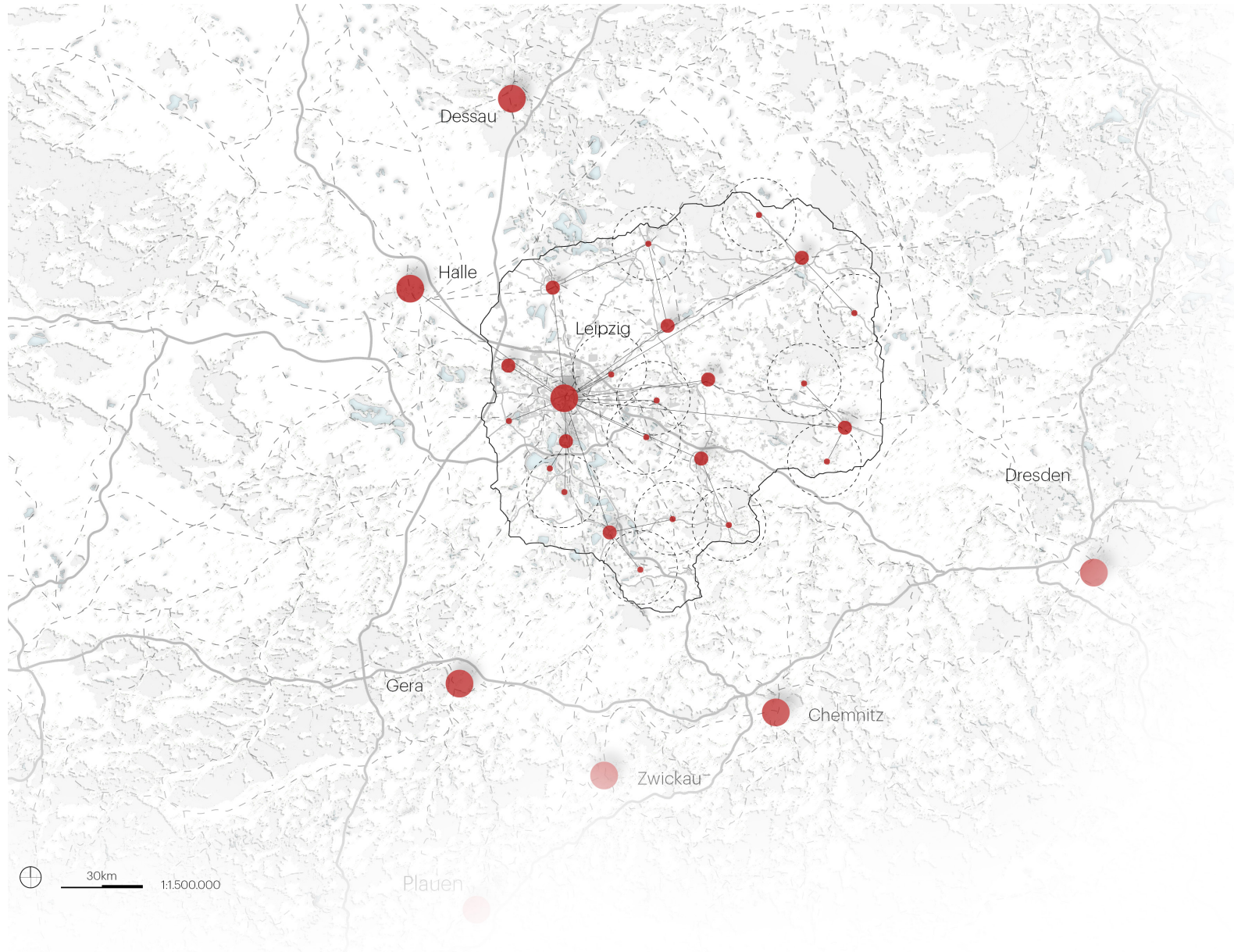
Demographic and spatial decentralization

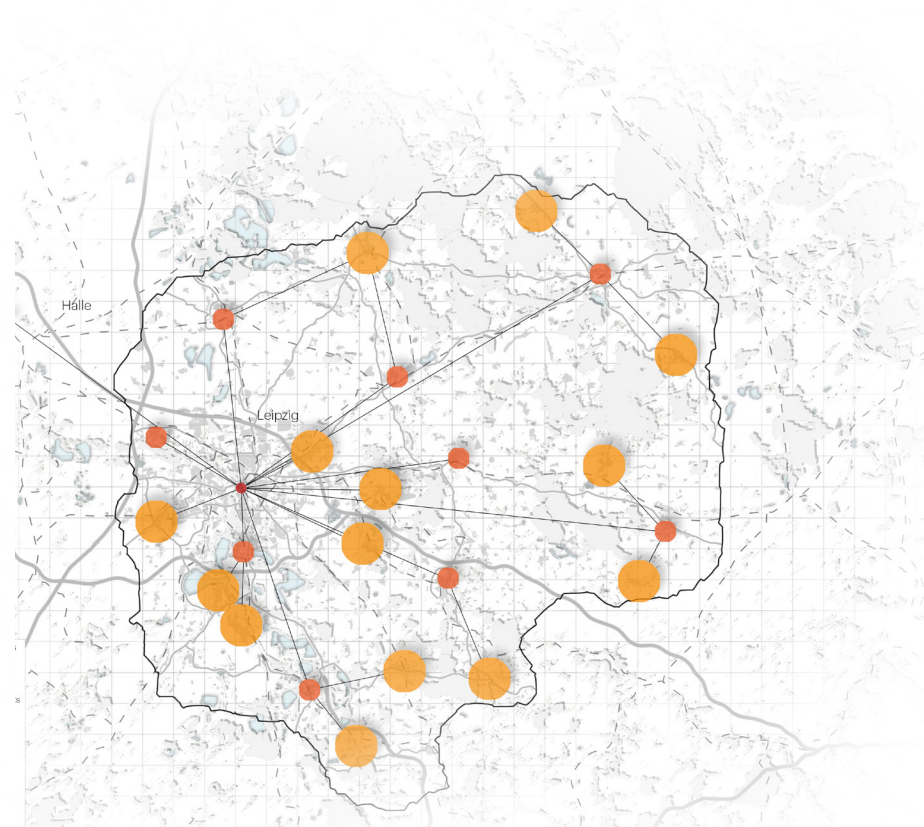
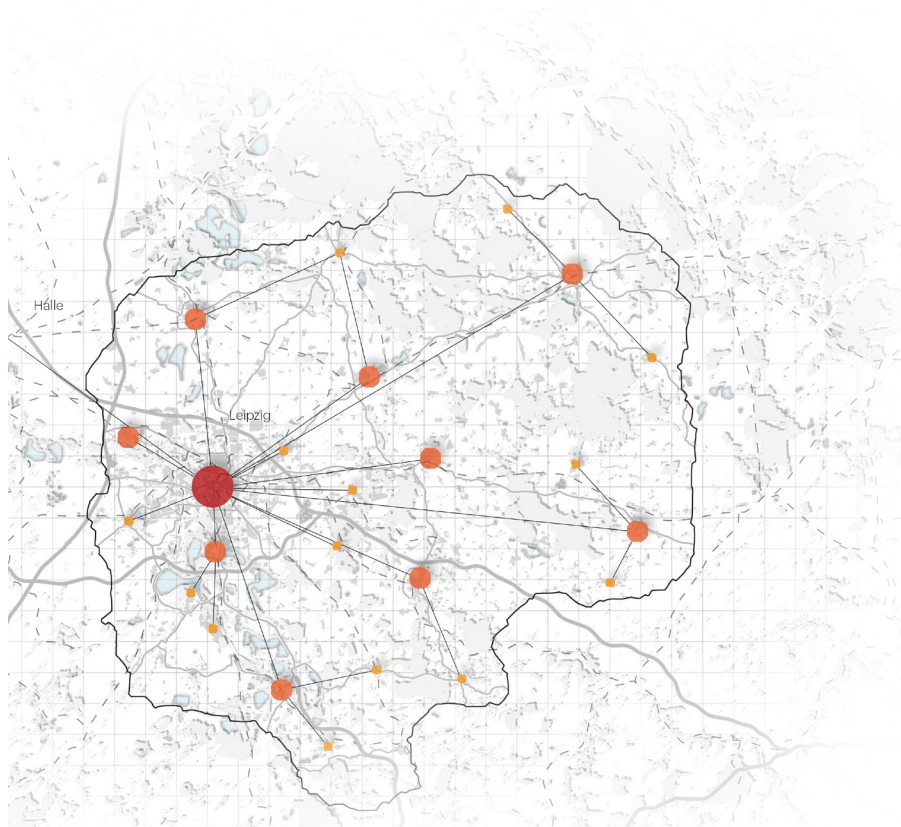
Decommodification of fictitious commodities

- _Land
- _Labour
- _Money

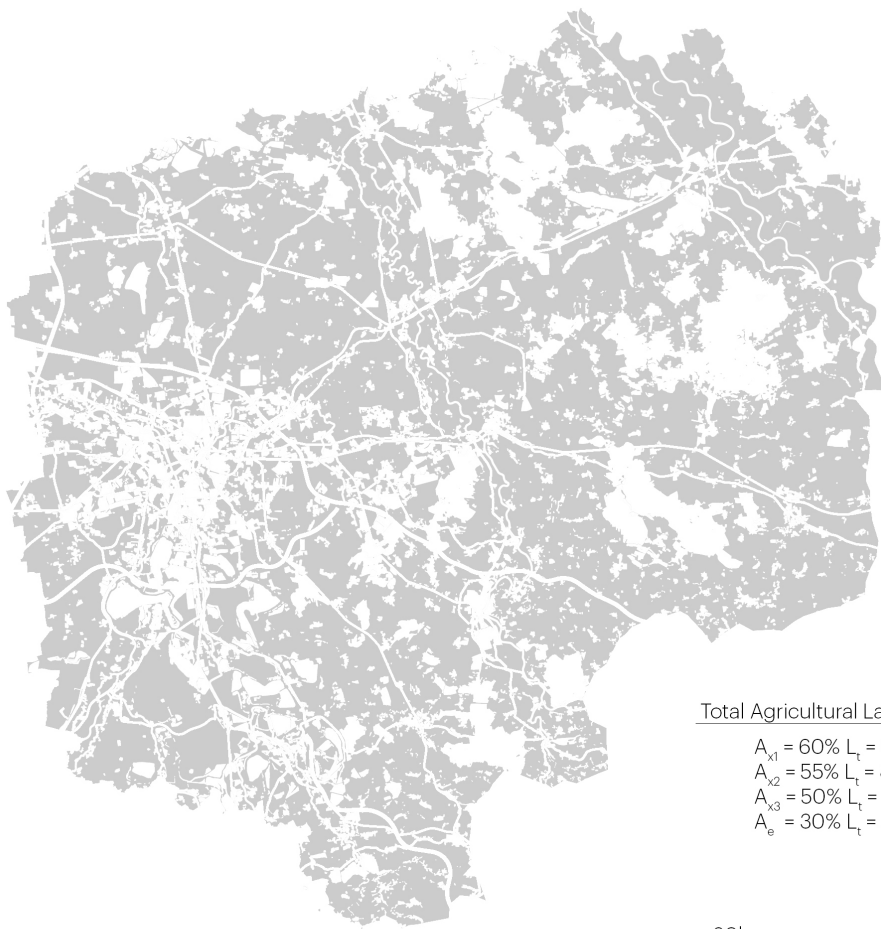


System of Central Places





Arable Land

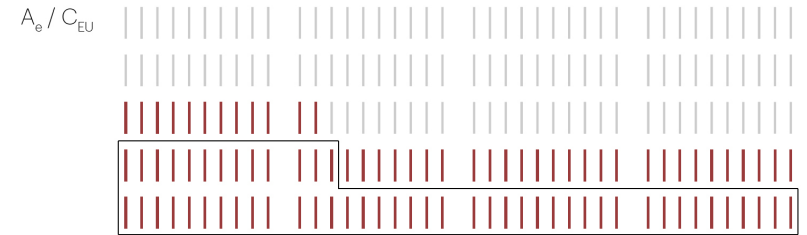


Total Agricultural Land

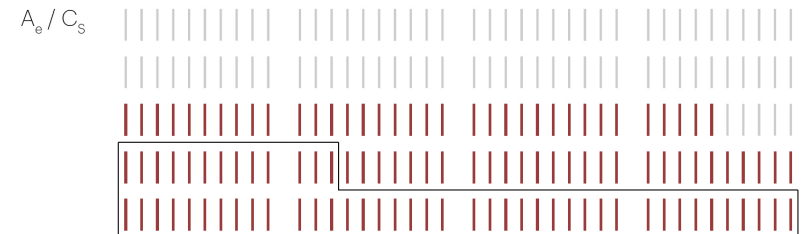
- $A_{x1} = 60\% L_t = 9.156\text{km}^2$
- $A_{x2} = 55\% L_t = 8.389\text{km}^2$
- $A_{x3} = 50\% L_t = 7.622\text{km}^2$
- $A_e = 30\% L_t = 4.602\text{km}^2$

30km 1:1.000.000 ⊕

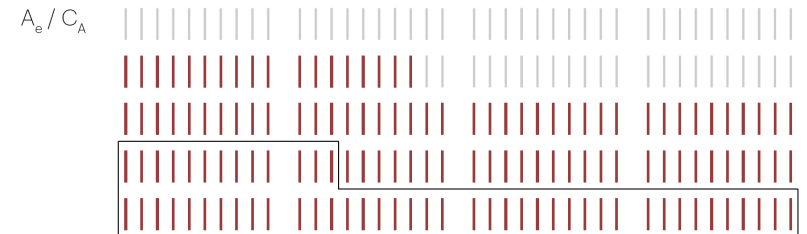
Self-Sufficient Agriculture



$C_{EU} = 2.500 \text{ m}^2/\text{person}/\text{year}$



$C_S = 2.000 \text{ m}^2/\text{person}/\text{year}$

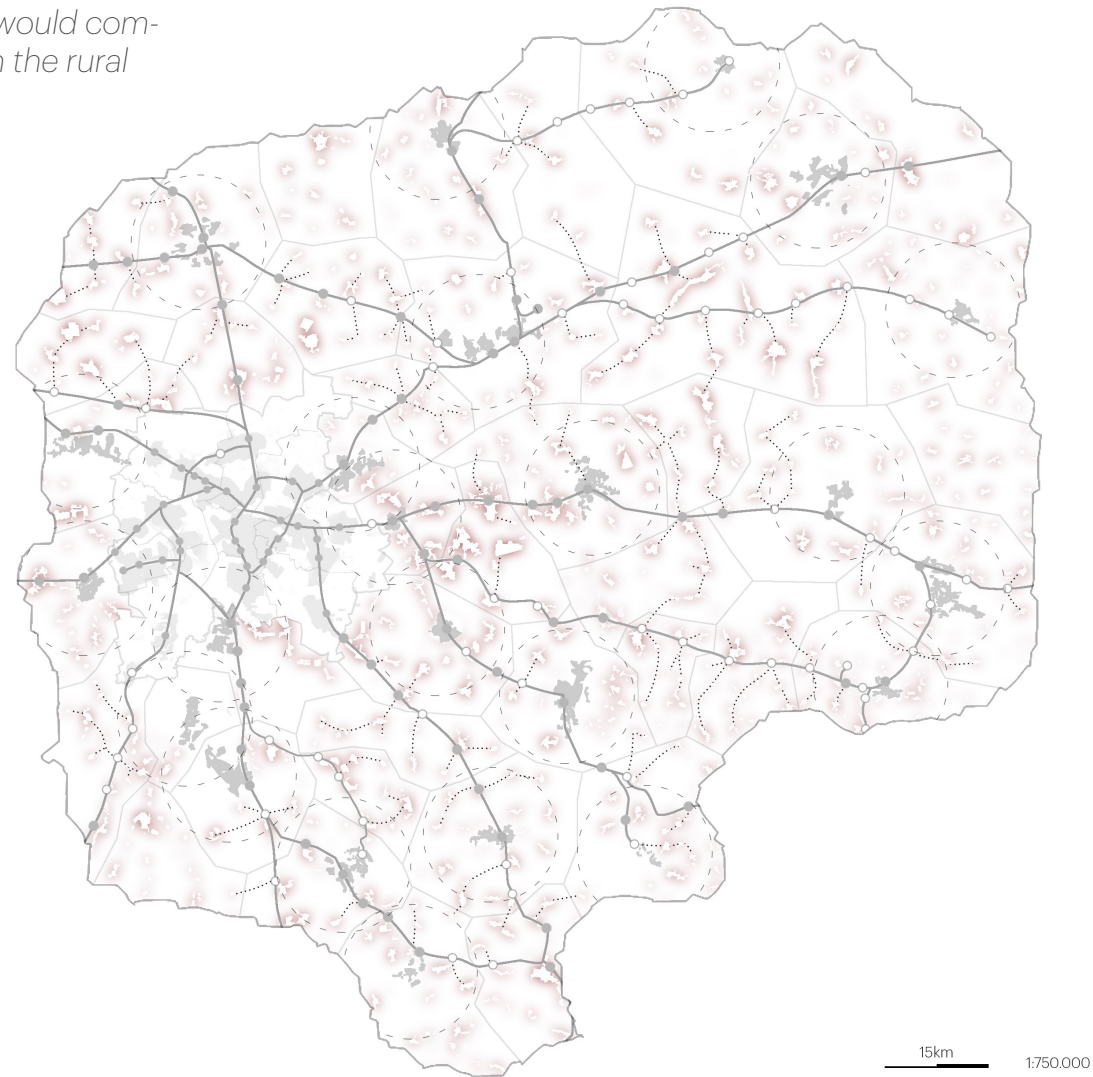


$C_A = 1.667 \text{ m}^2/\text{person}/\text{year}$

20.000 people region's demand

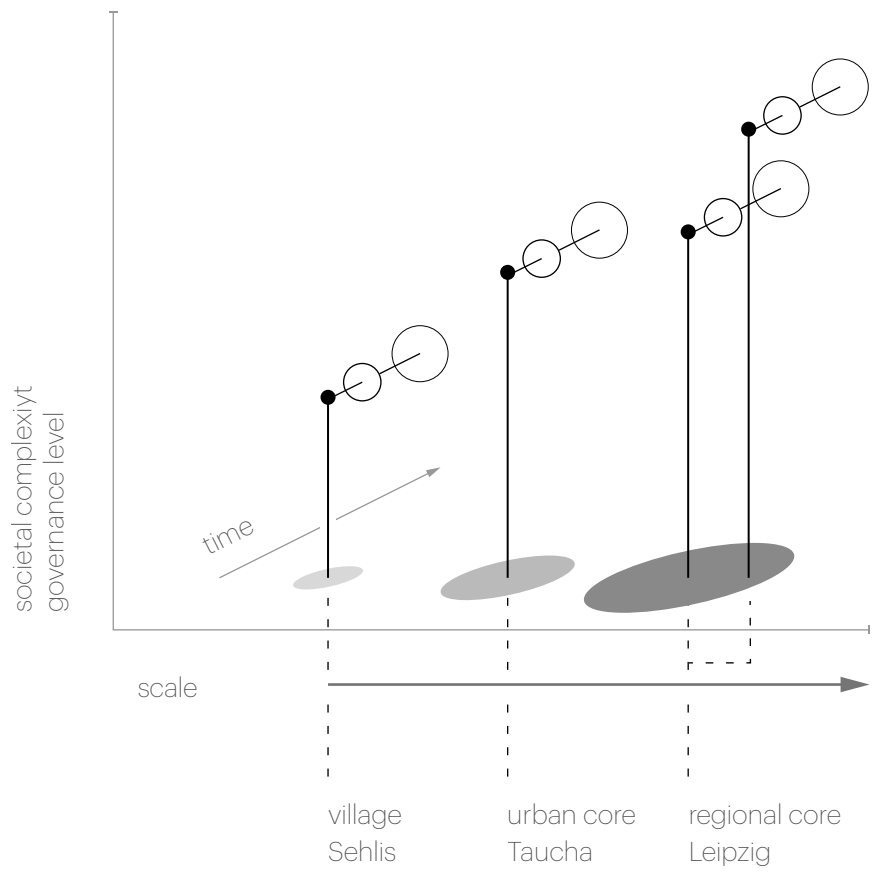
*"[...] decentralized balanced communities,
built on human scale, which would com-
bine cultural advantages with the rural
qualities of the village."*

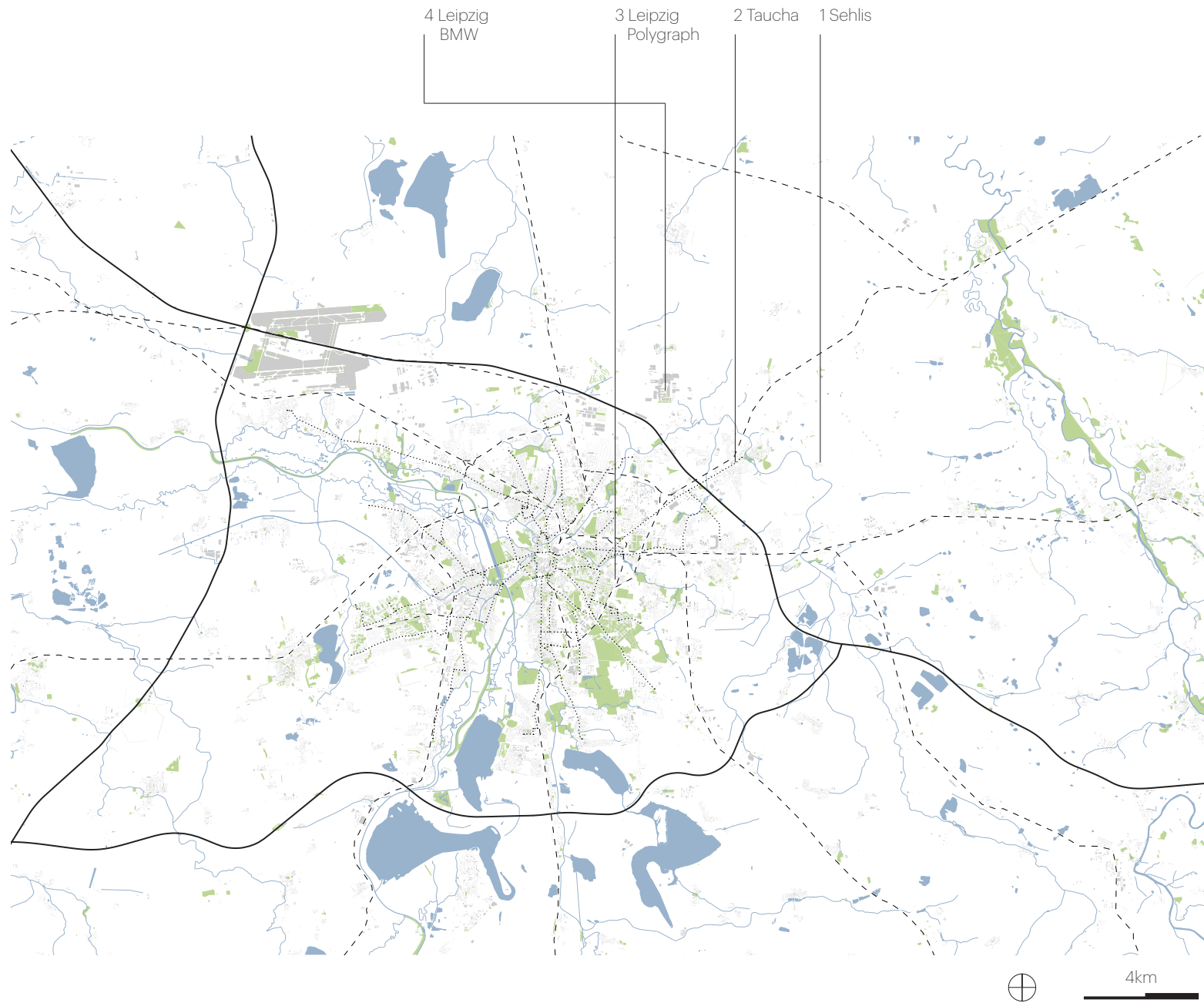
Bookchin 1965: 188





MEV Verlag, Augsburg





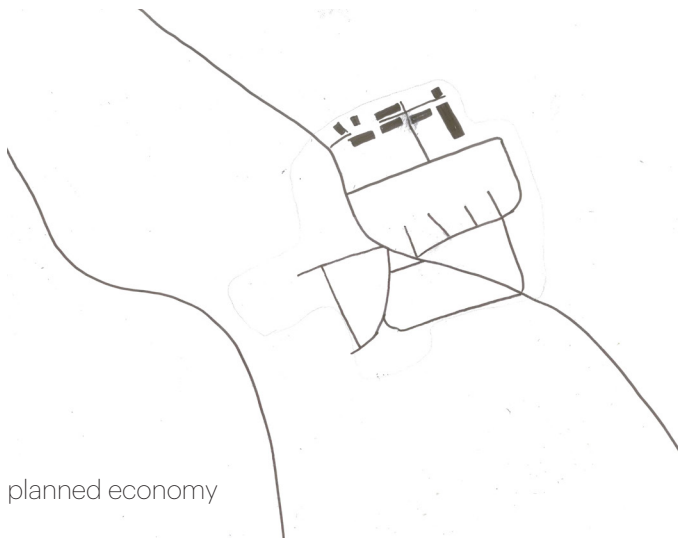
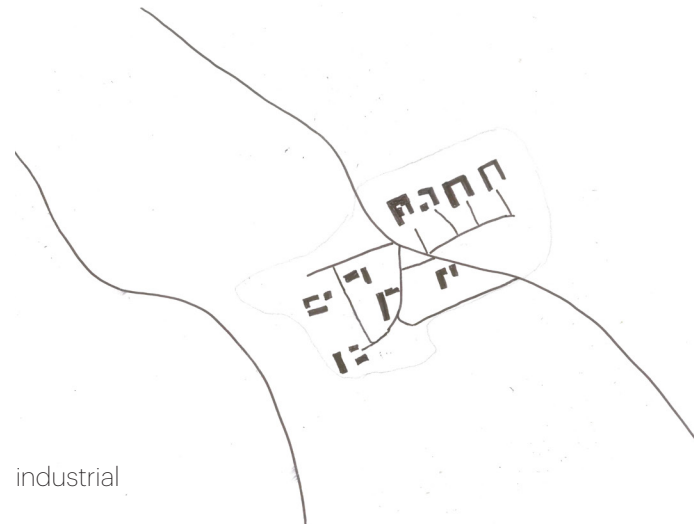
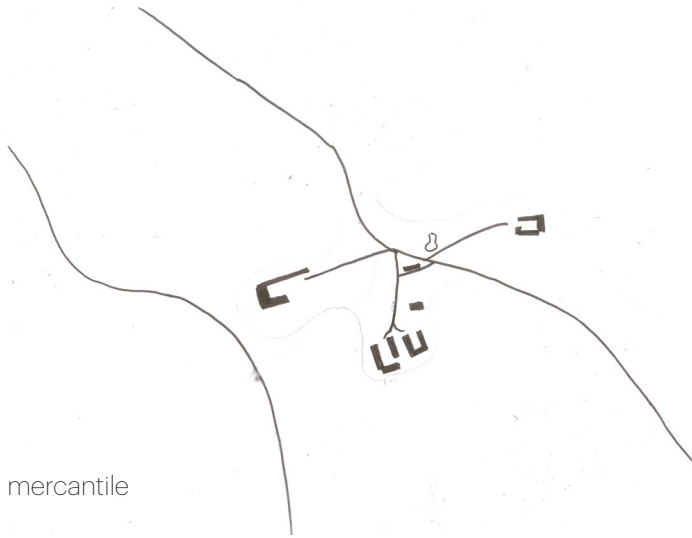
1 Sehlis



google.earth



1200m





- New building
- Conversion
- Trailer
- Community palces
- Communitys farms



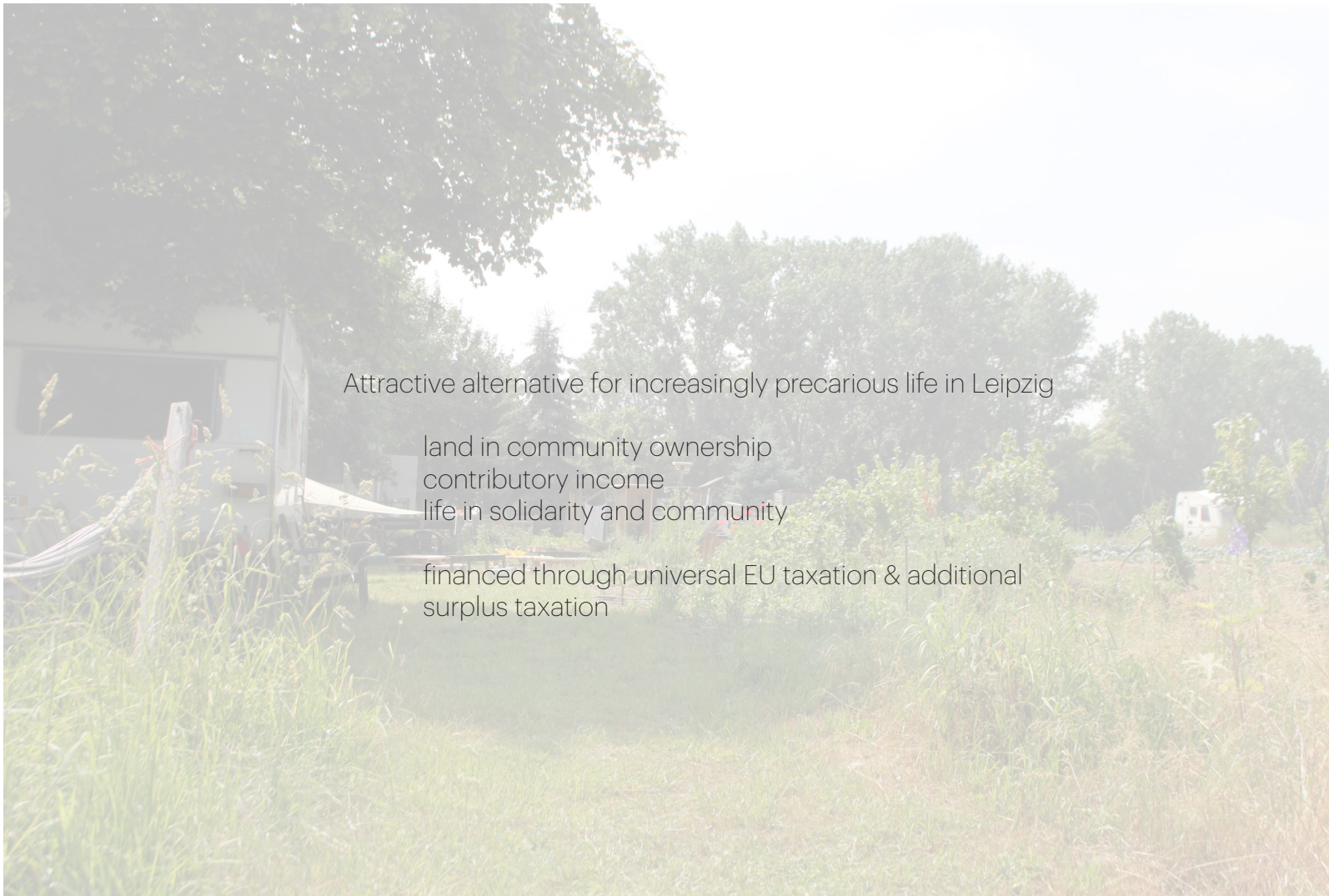
1



2



3



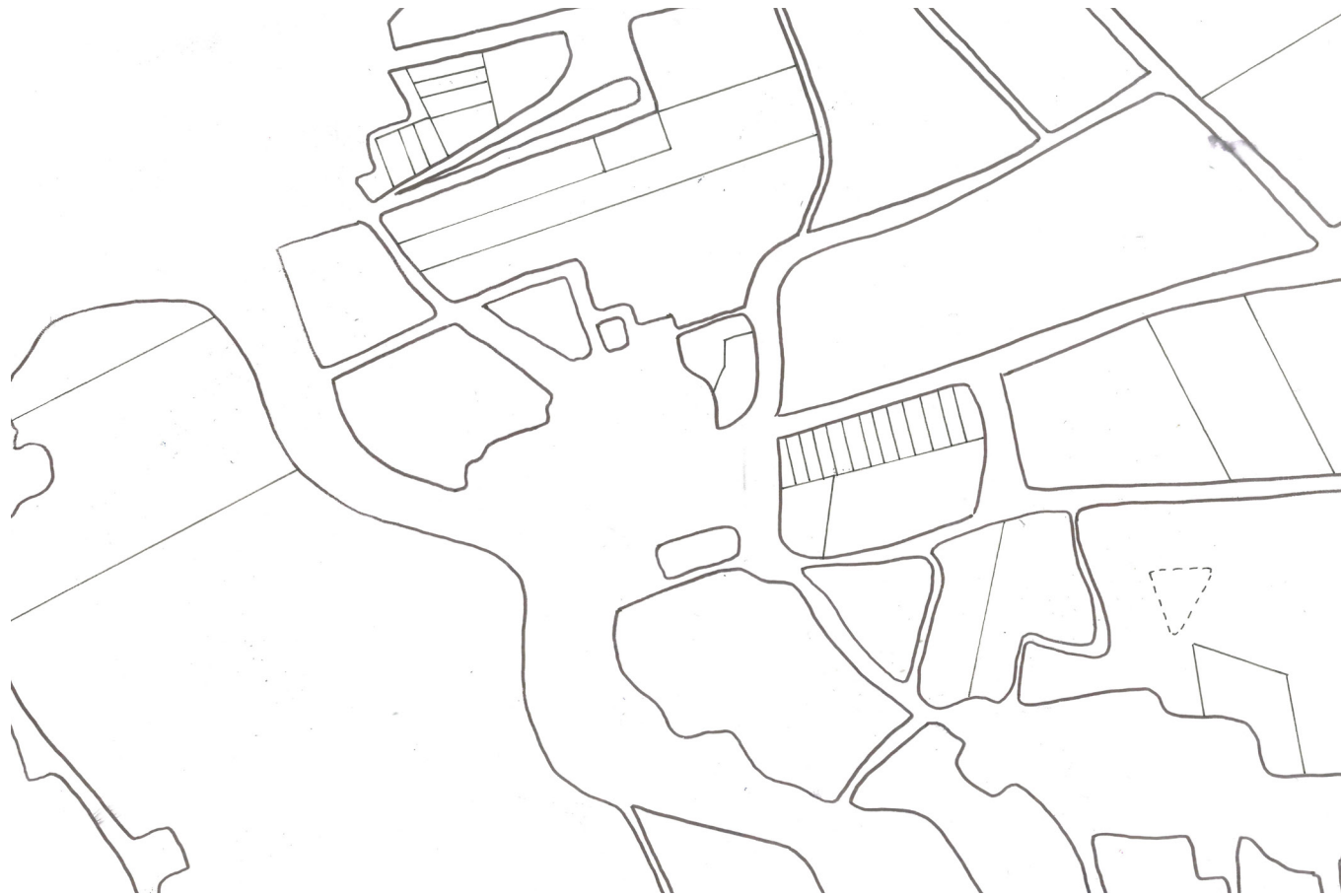
Attractive alternative for increasingly precarious life in Leipzig

land in community ownership
contributory income
life in solidarity and community

financed through universal EU taxation & additional
surplus taxation







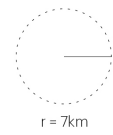
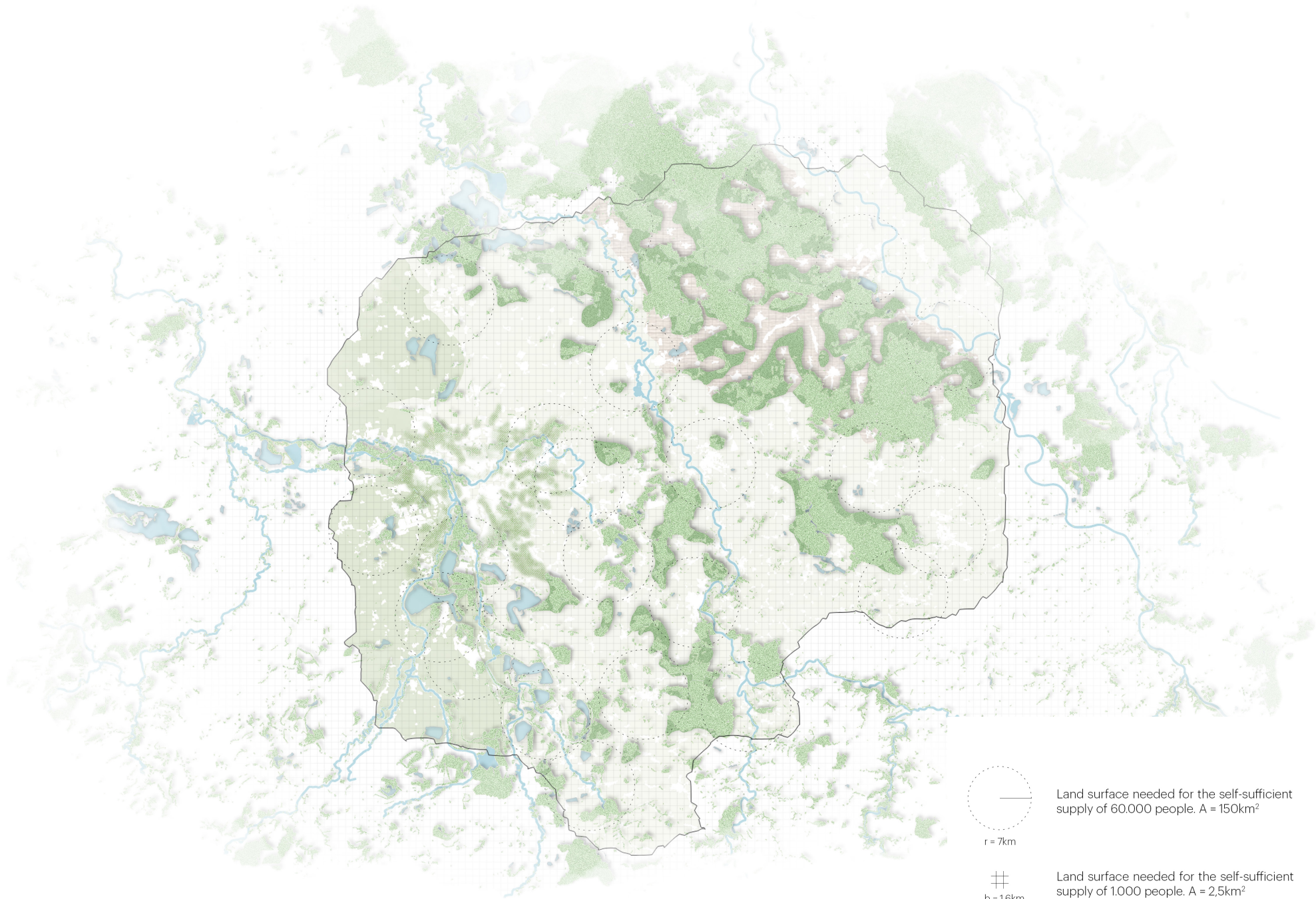








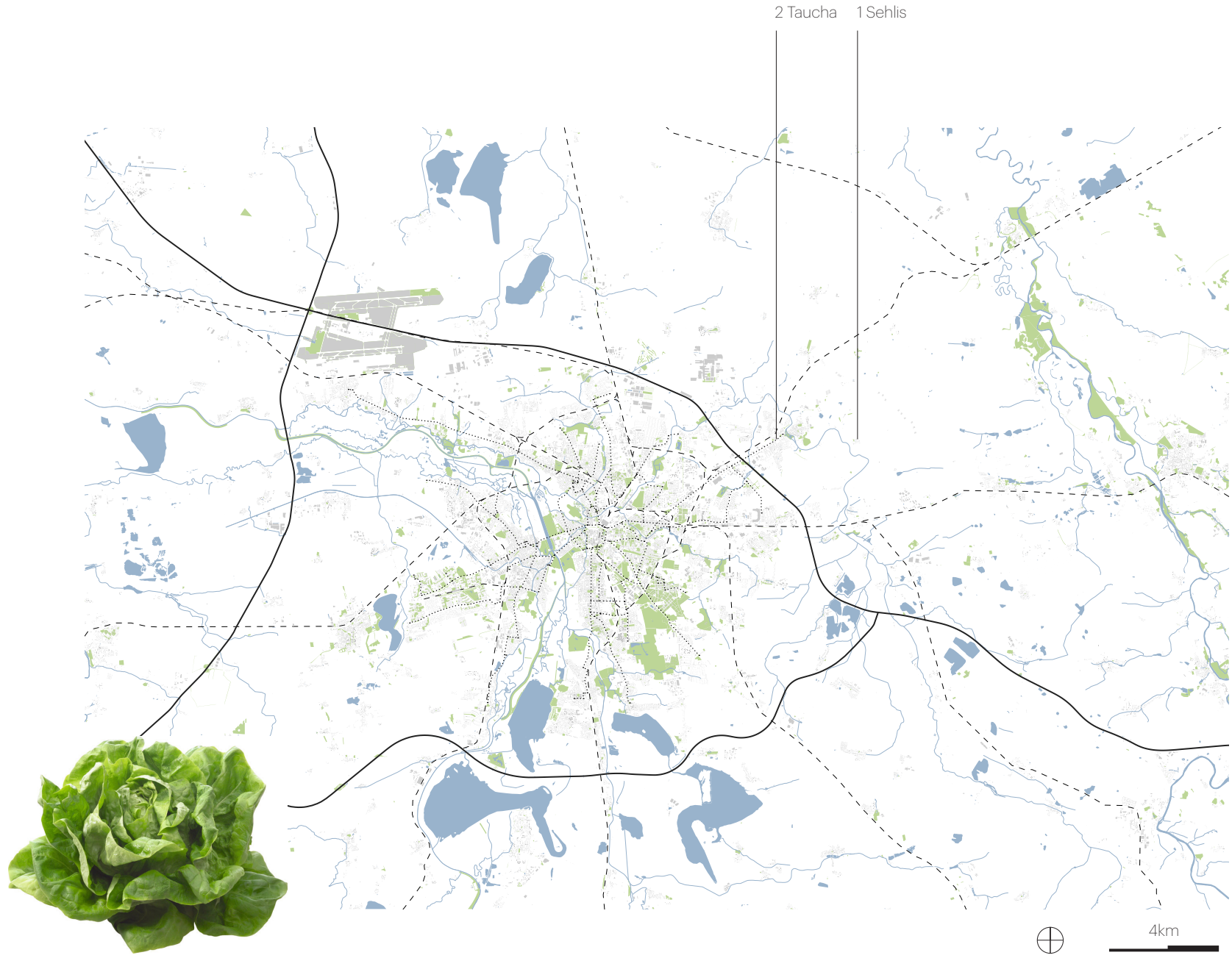
15km 1:750,000



Land surface needed for the self-sufficient supply of 60.000 people. $A = 150\text{km}^2$



Land surface needed for the self-sufficient supply of 1.000 people. $A = 2,5\text{km}^2$



2 Taucha

Leipzig
(City Centre)

Taucha
(New Urban Core)

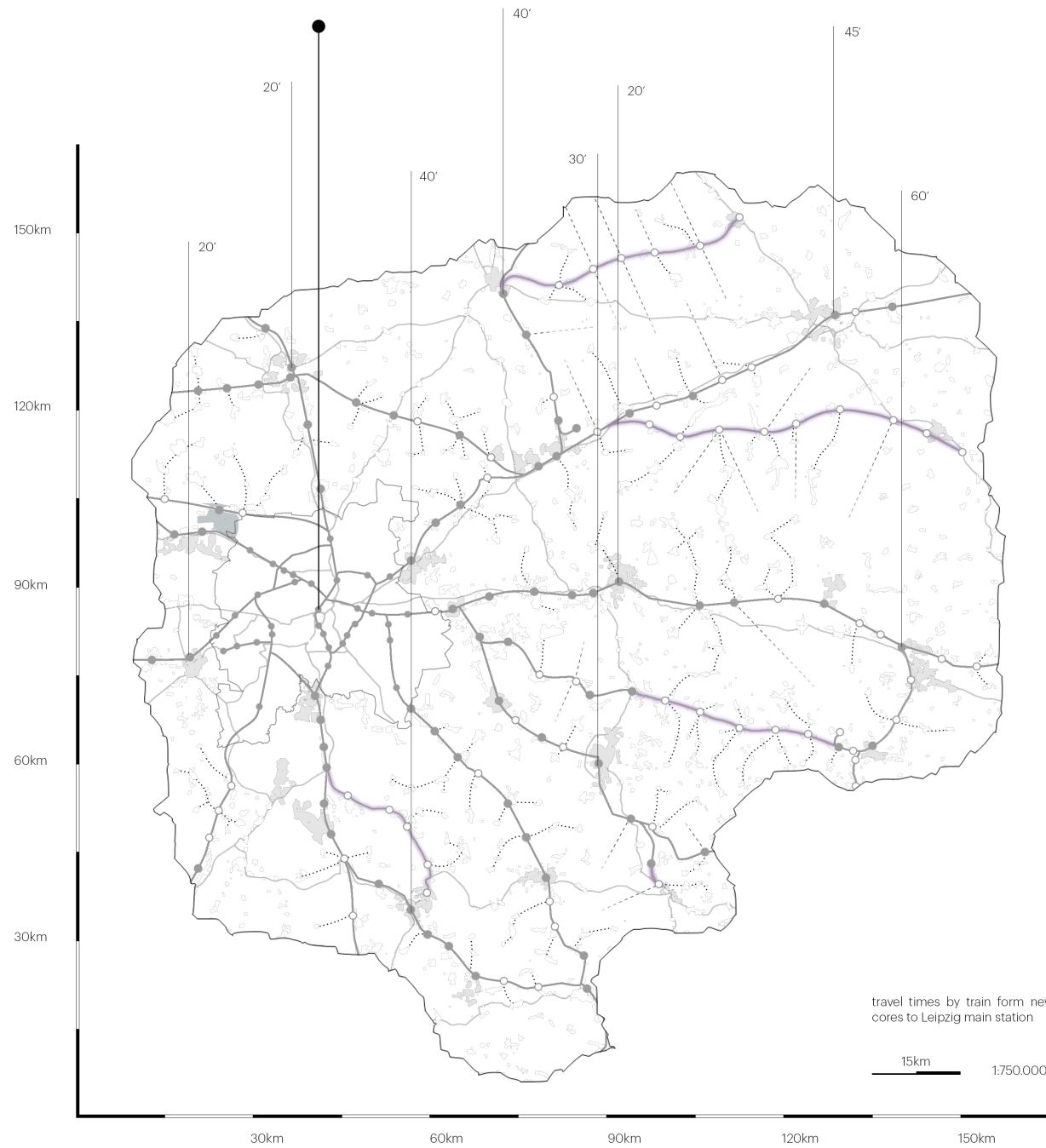
Sehlis

10km | 10 min

4,5km | 10 min



⊕ 500m





google.earth

100m



100m

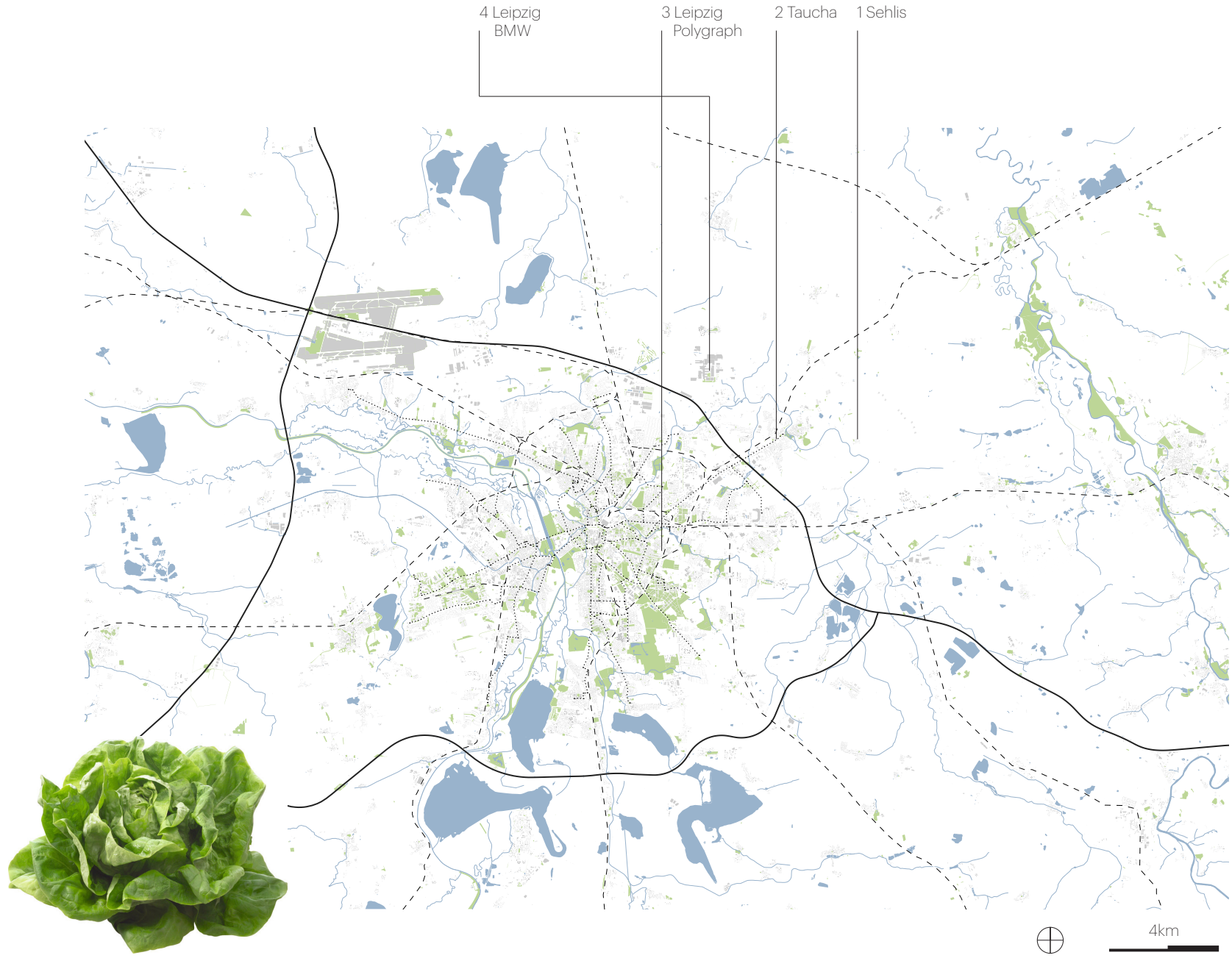


Decommodification of labour

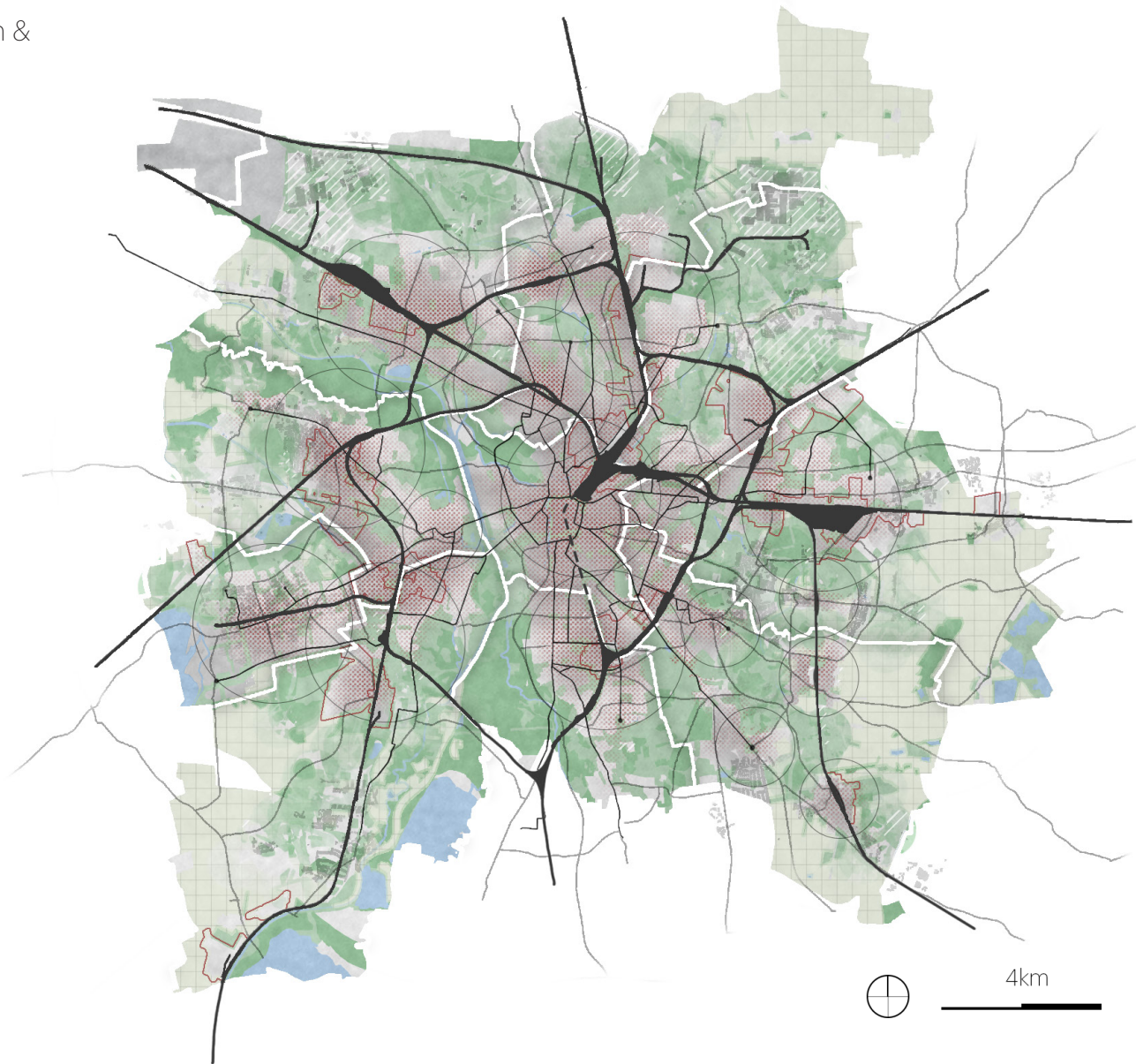
- contributory income
- self-organized and managed labour
- meaningful labour
- 4 hours of daily work for the community



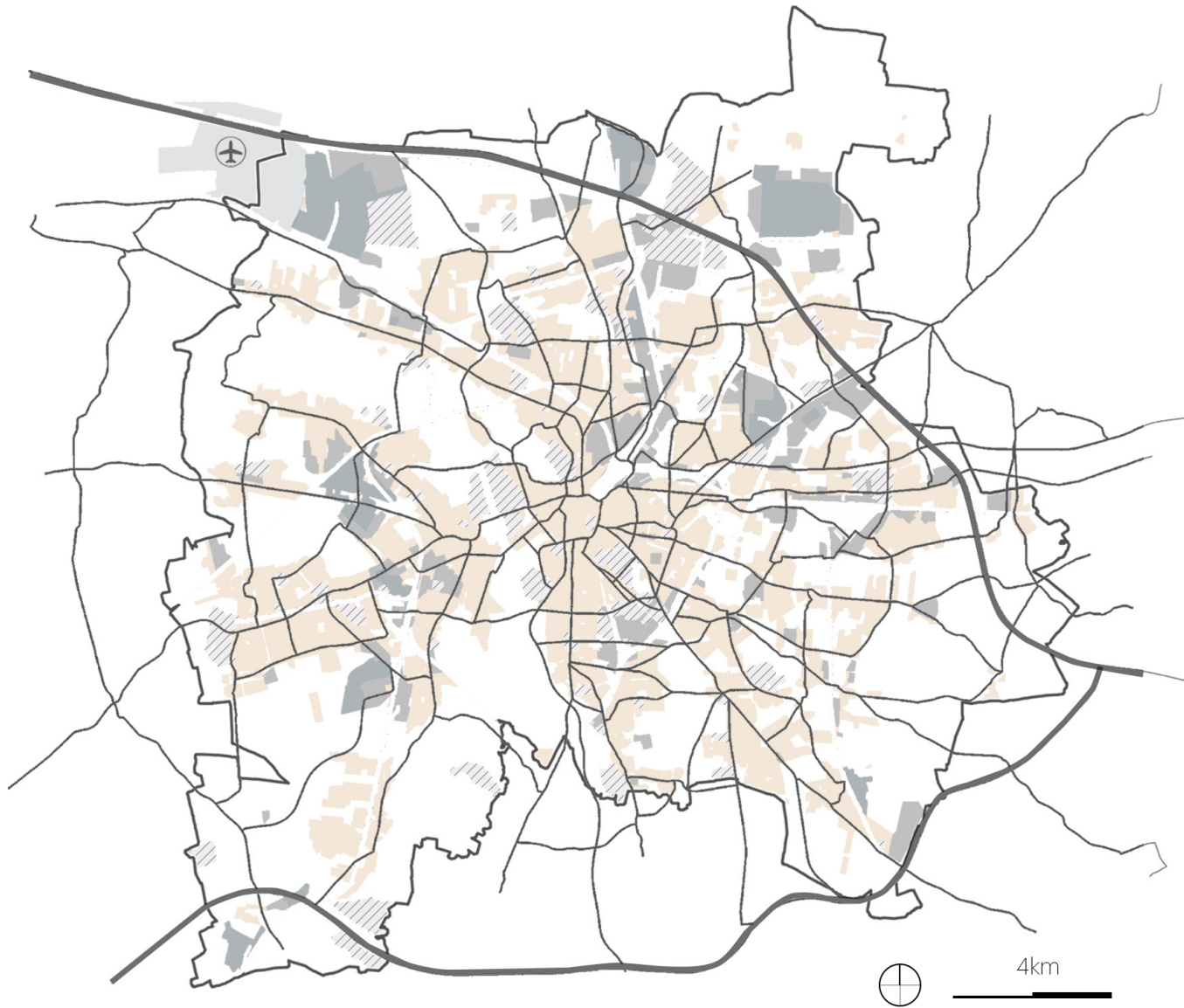
100m



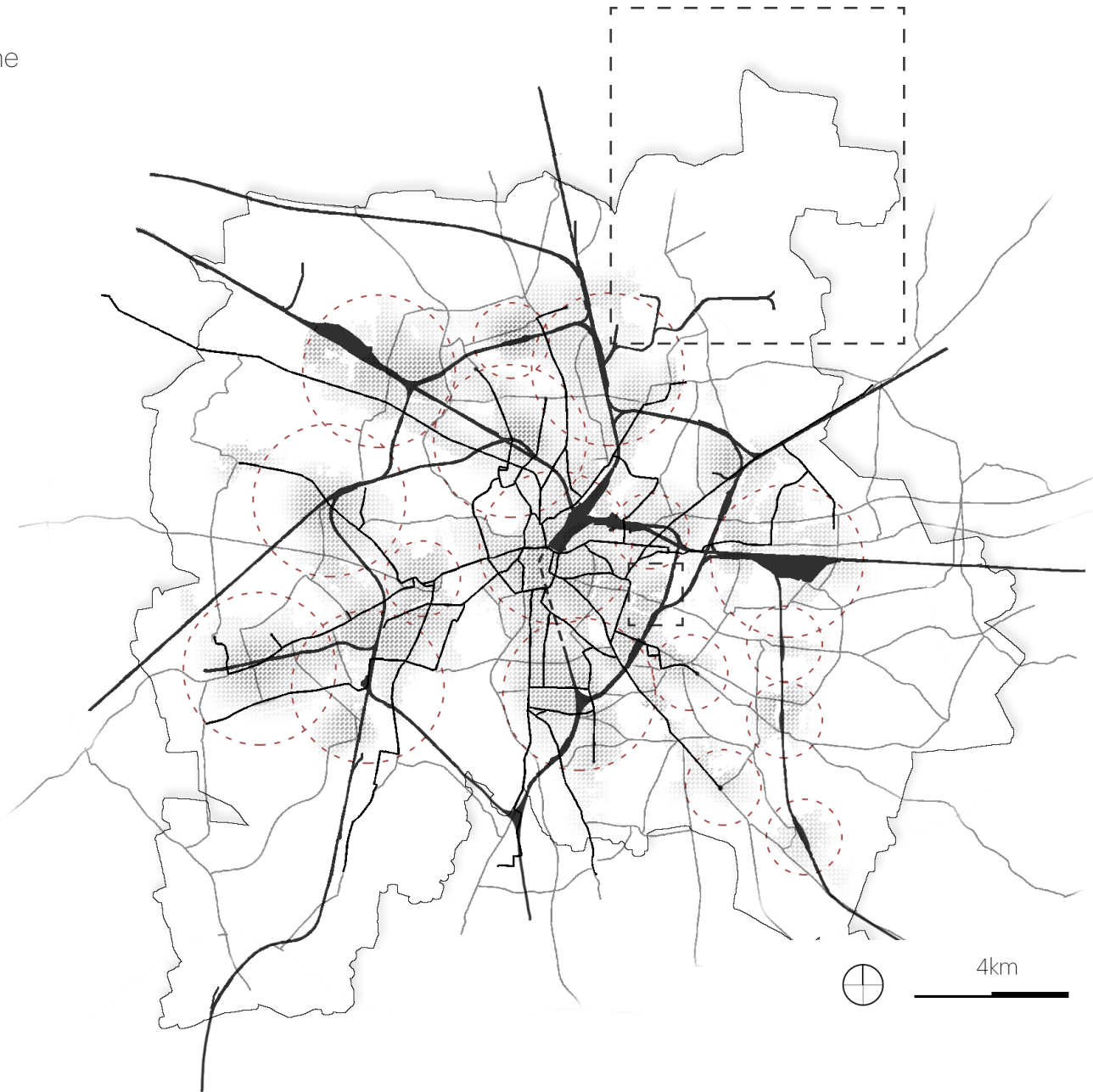
Leipzig: Decentralization & Concentration



Current Landuse
Plan (02.2018)



Concentration along the
new Supergrid



3 Polygraph Areal



google.earth



150m







100m



10m





100m





10m



4 BMW



google.earth

2km

1km



1km

2km



500m



500m







Bastian Schuldig, Maximilian Einert



