

The local taste

Cultivating Reciprocity through Regenerative Farming

P5 Presentation

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The local taste

Laer Productive Garden and Cooking Residency



Romanticizing Farming



Roots of the Project

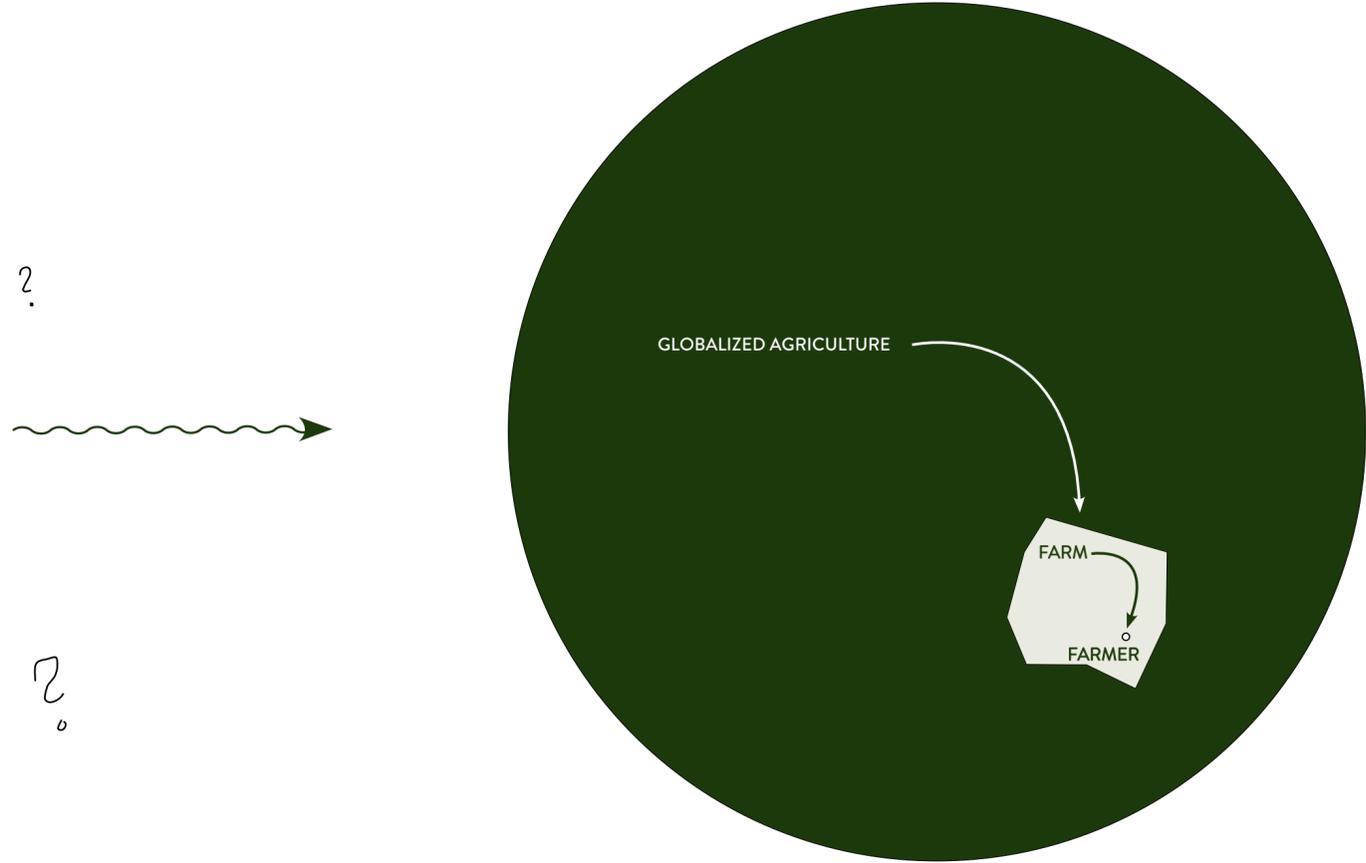
FARMER'S PROTEST

Where lies the actual problem?



GLOBAL AGRICULTURE

Understanding interlocking systems



Roots of the Project

GLOBAL IN THE LOCAL CONTEXT

Industrial Agricultural typologies are disconnected from their landscapes



Alienation from the value of food

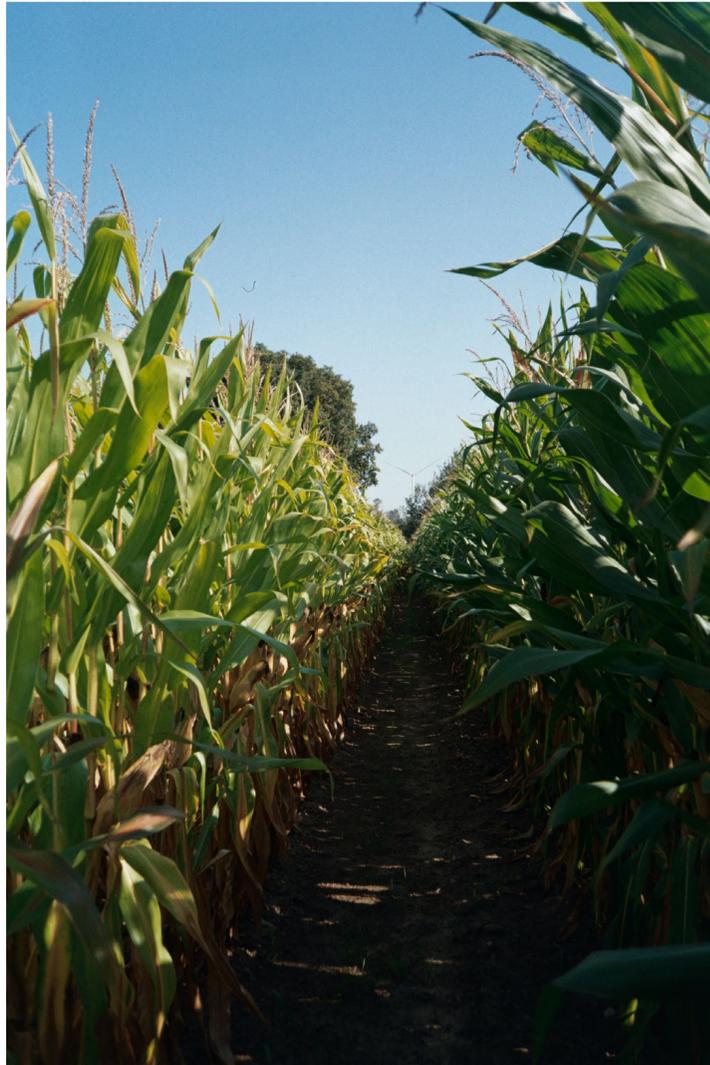
The Farm Laer

MY PERSONAL ROOTS IN THIS PROJECT

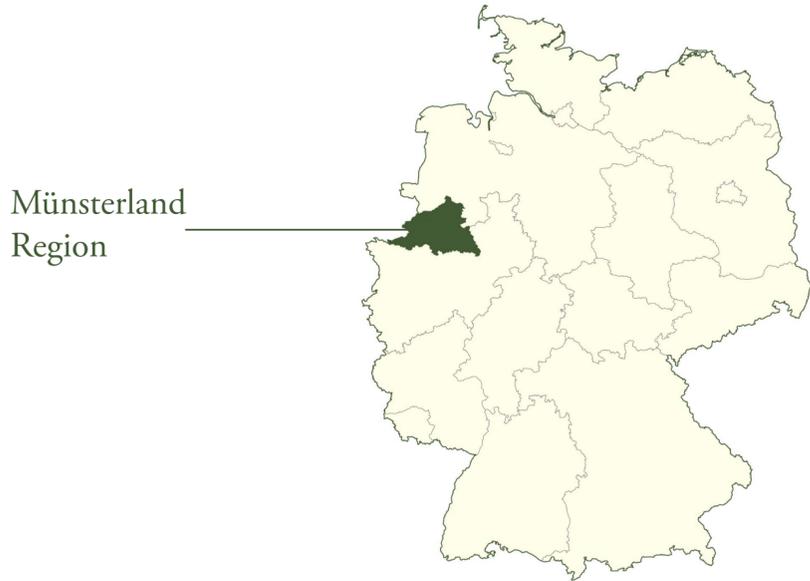


The Local Context

THE MÜNSTERLAND REGION

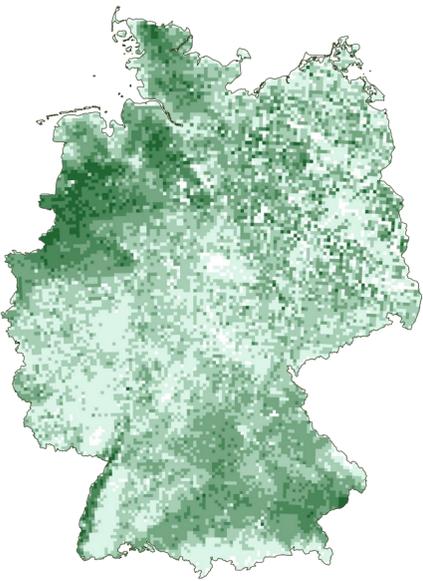


GERMANY



MAIZE CONTENT

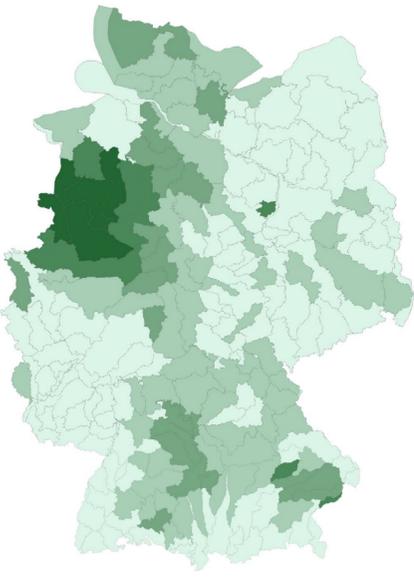
Share of maize area in the utilised agricultural area 2020



- <5 %
- 5-15 %
- 15-30%
- 30-45 %
- >45%

PIG DENSITY

Number of pigs per 100 hectares of utilised agricultural area 2020

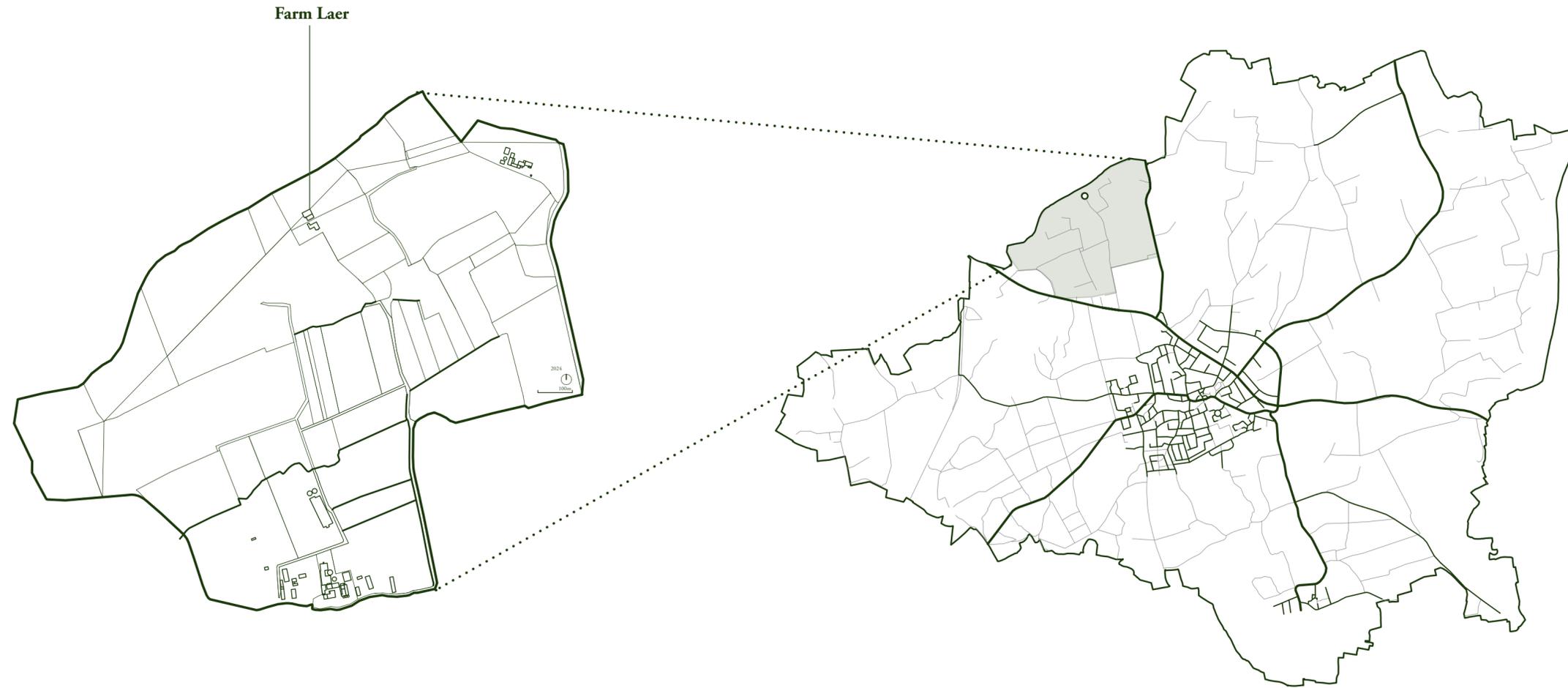


- >50
- 50-150
- 150-300
- 300-600
- >600

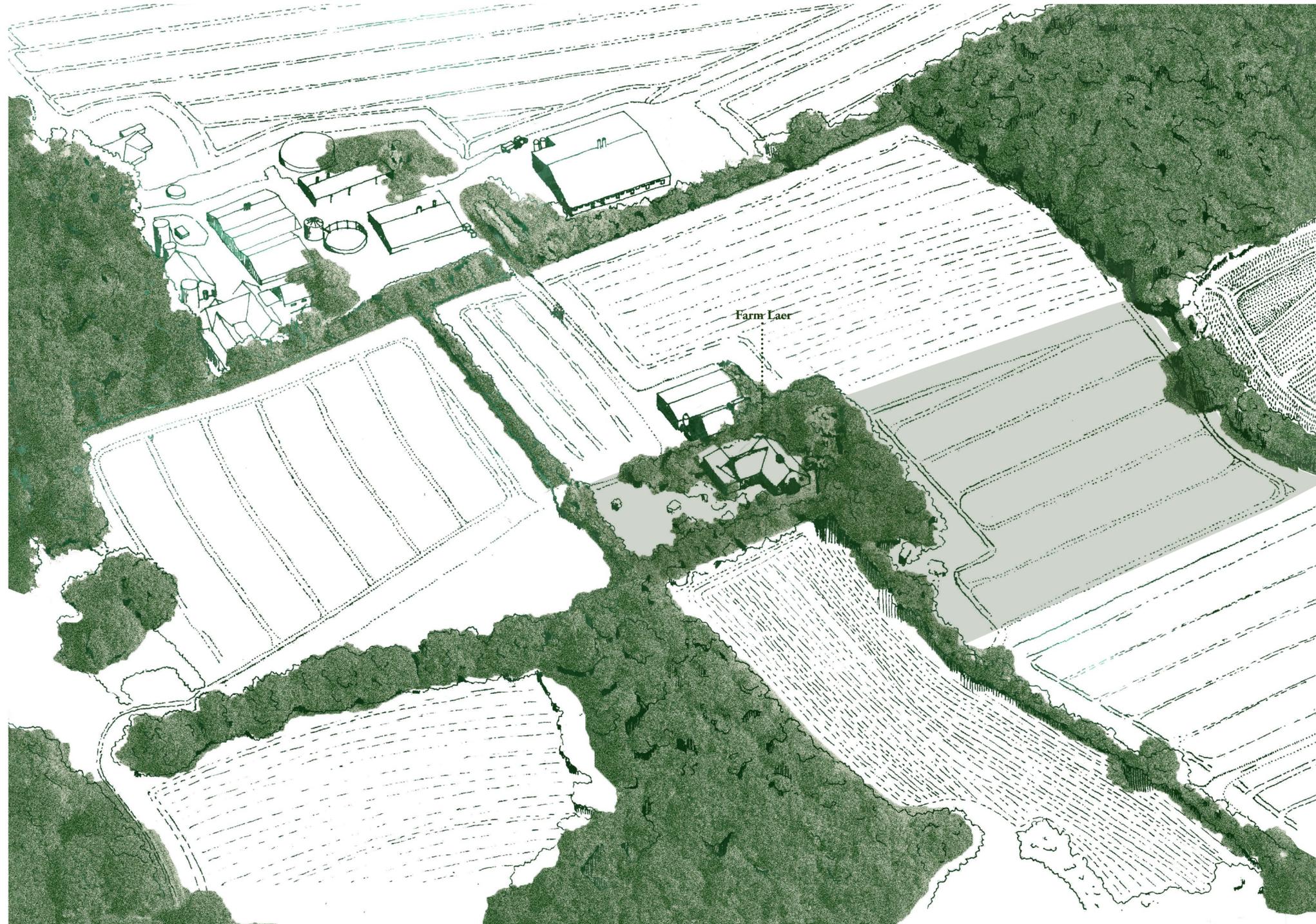
Source: <https://agrarstatistik.statistikportal.de/>



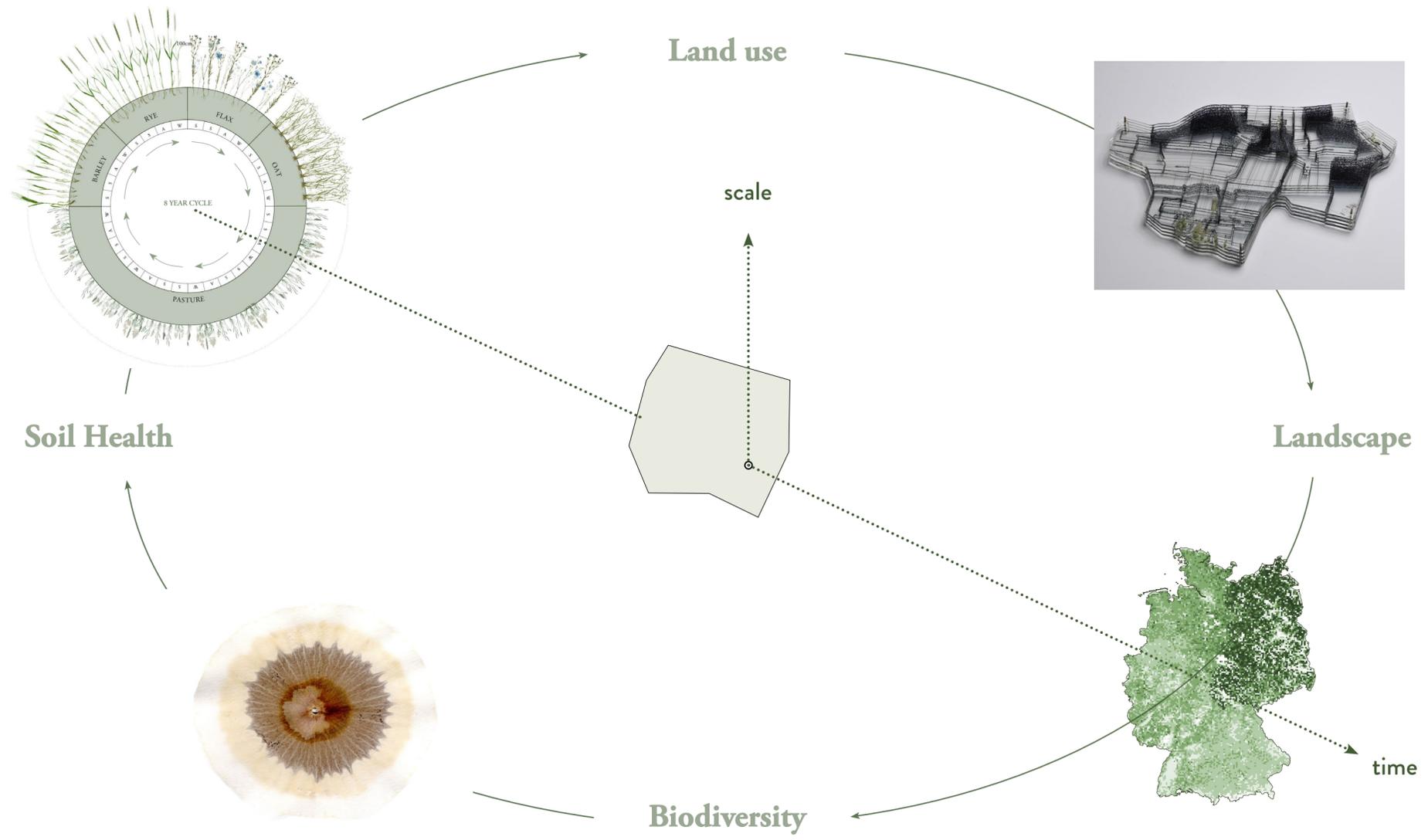
The Local Context



The Local Context



Research Results



Landscape as a Palimpsest

1833



Dissolution of
feudal system

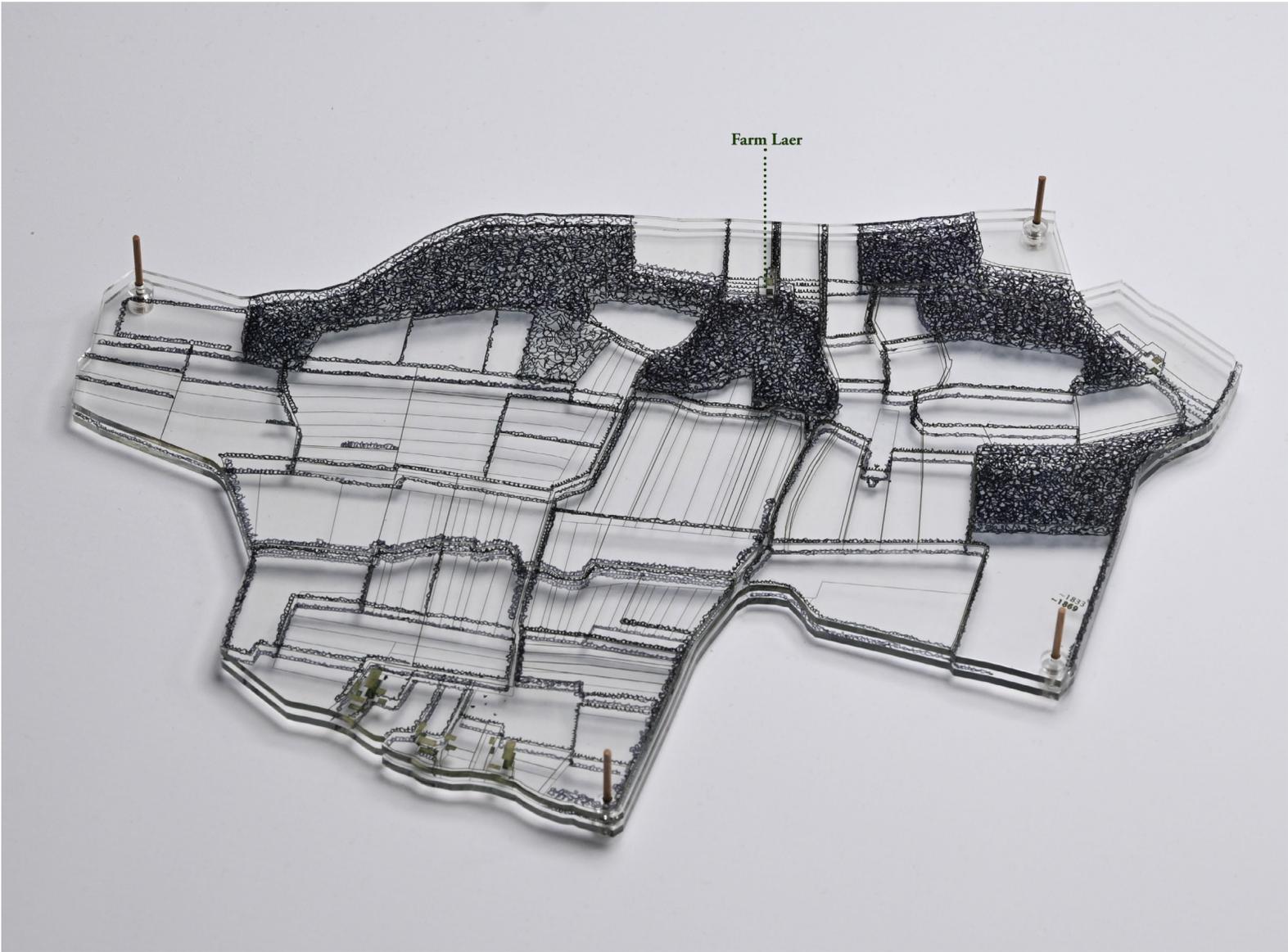
Teilung der Mark
The Division of the Common Land

1820s

1830

Landscape as a Palimpsest

1869



Dissolution of
feudal system

Teilung der Mark
The Division of the Common Land

Drainage of fields

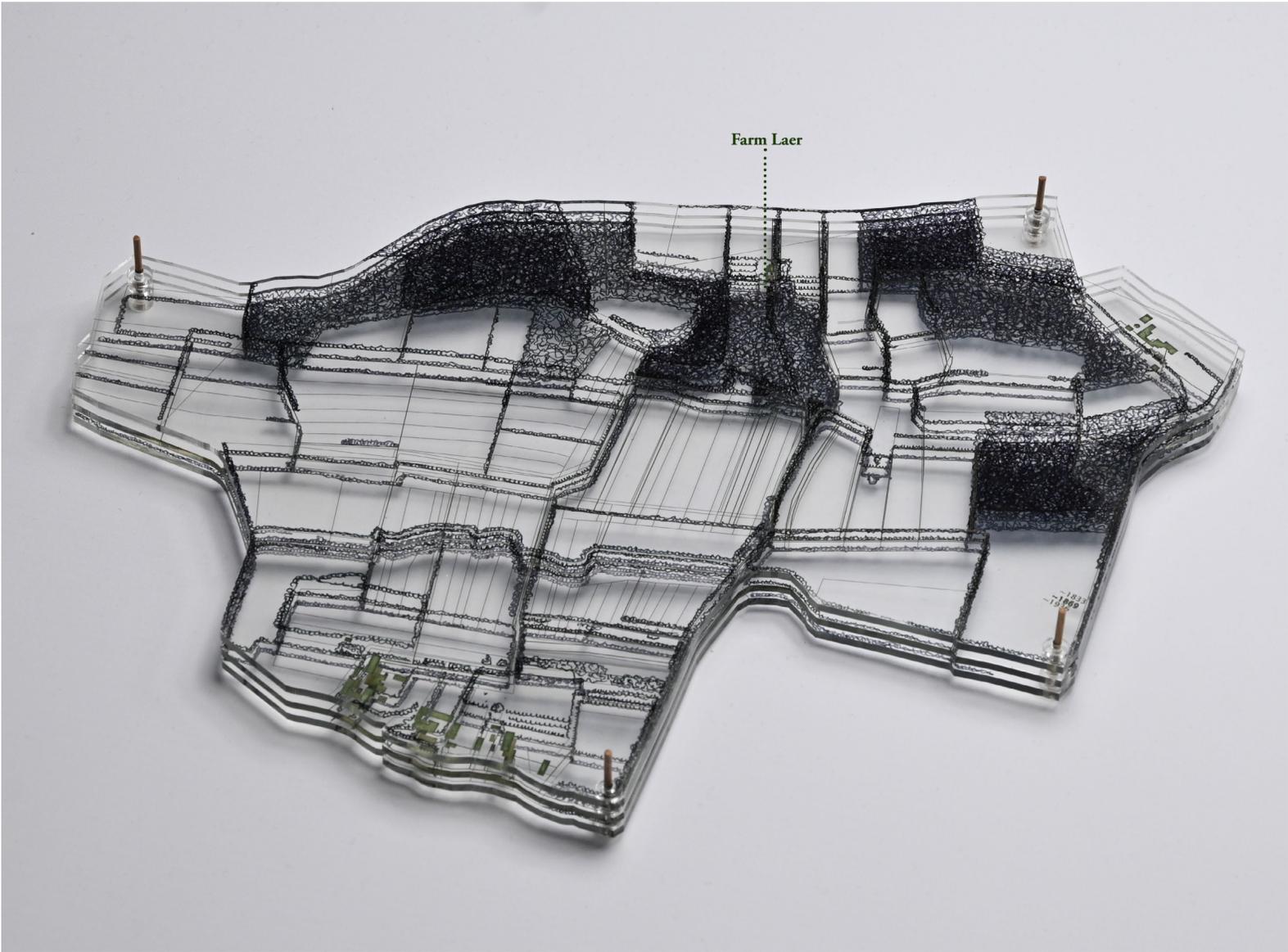
1820s

1830

1850s

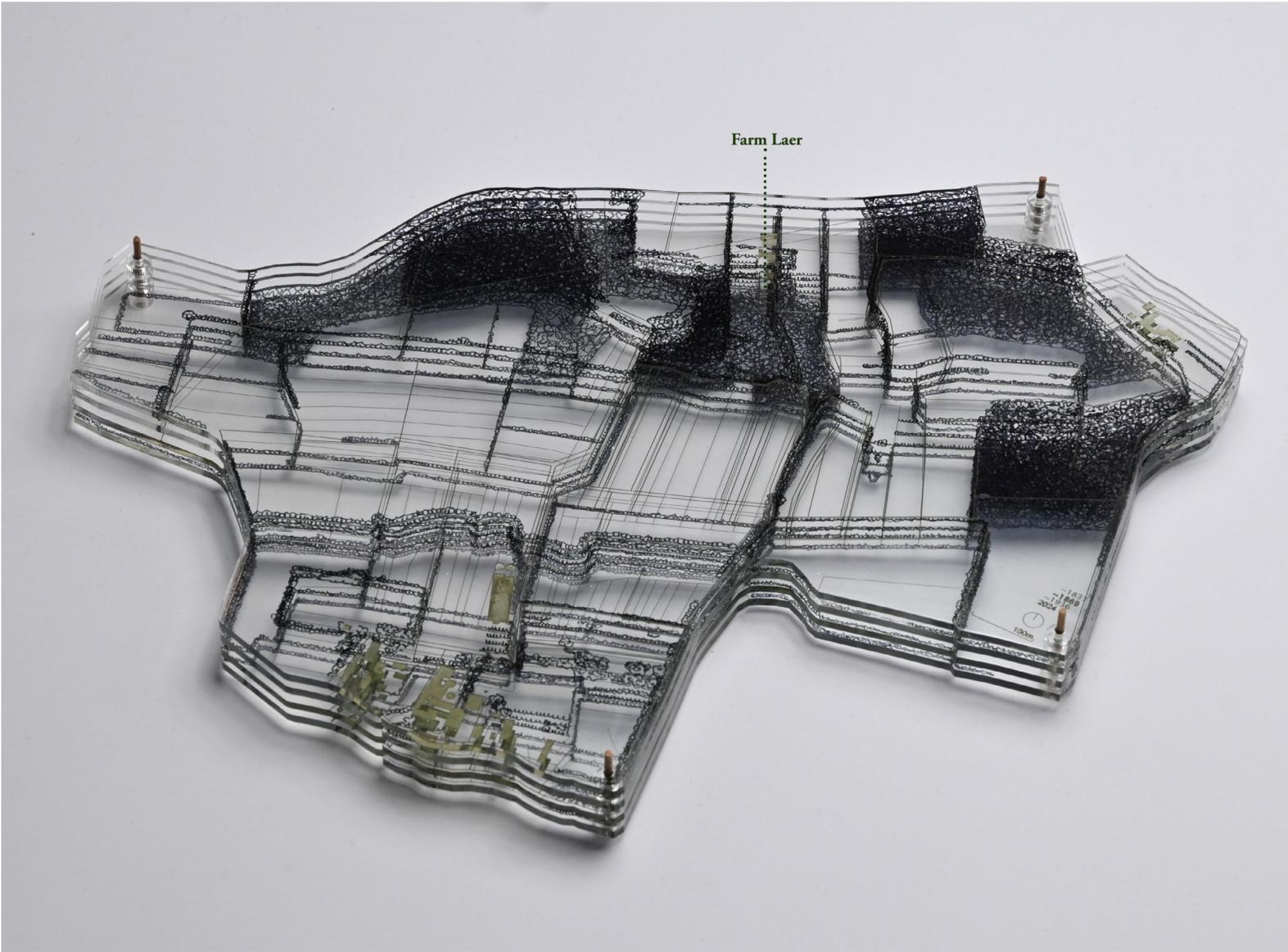
Landscape as a Palimpsest

1936



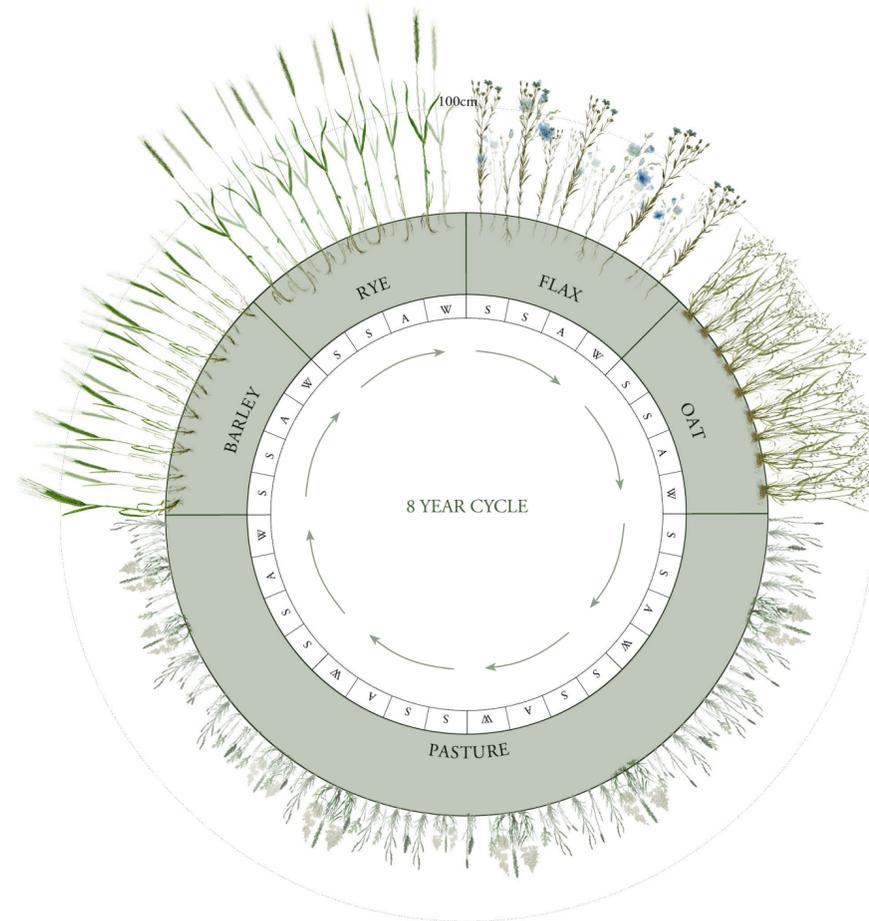
Landscape as a Palimpsest

2024



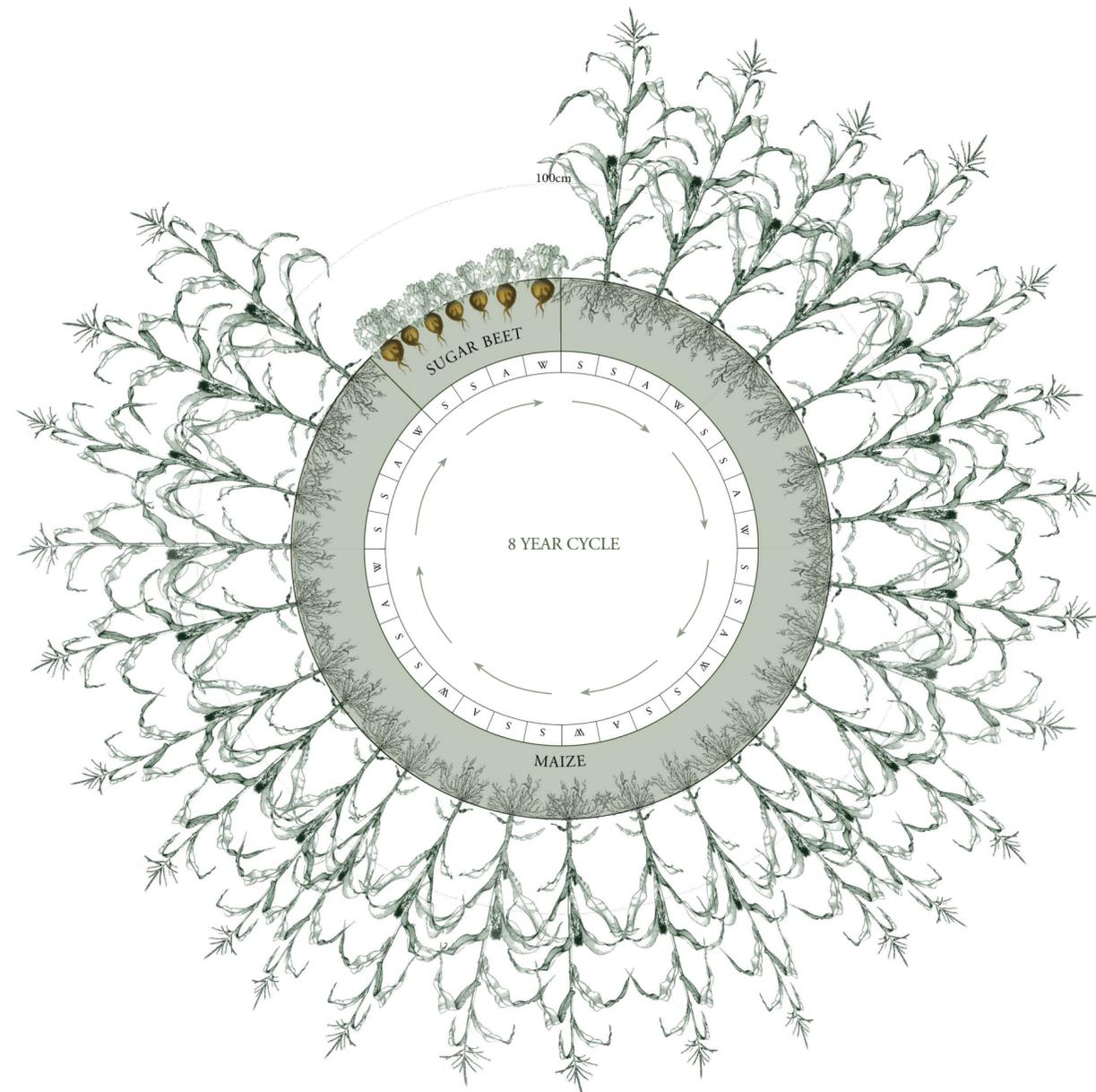
Crop rotation

Historical



Crop rotation

Today



How we find the land



Field work

SENSING SOIL



1 Orchard

Wild apples, plums and pears. Grassland, sometimes grazors (sheep) there.



2 Maize field

Industrialized agriculture, monoculture of Maize and other animal feed crops



3 Forest

Small forest next to the house, mixed species:

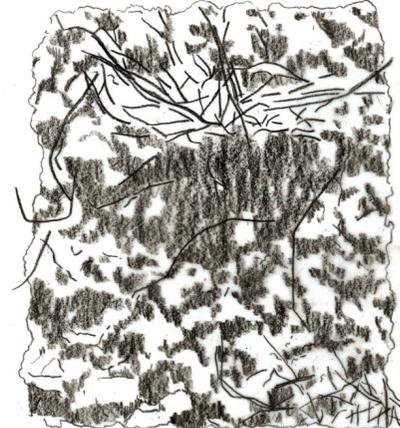


Soil Sample

Soil Structure

Organic Matter

1 Orchard



2 Maize field



3 Forest



Soil Chromatography



Sample 1, Orchard



Sample 2, Field



Sample 3, Forest

PREPARING SOIL SAMPLES



Sample 1, Orchard



Sample 2, Field



Sample 3, Forest



Sample 1, Orchard



Sample 2, Field



Sample 3, Forest

PREPARING SOIL SAMPLES



Sample 1, Orchard

Sample 2, Field

Sample 3, Forest



Sample 1, Orchard

Sample 2, Field

Sample 3, Forest

RUNNING CHROMATOGRAPHS



Filter paper soaking soil extract

Waiting



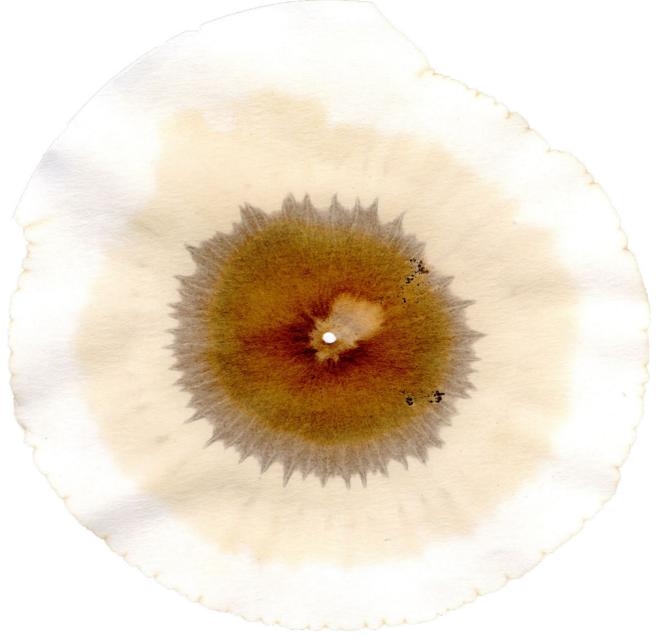
READING CHROMATOGRAPHS



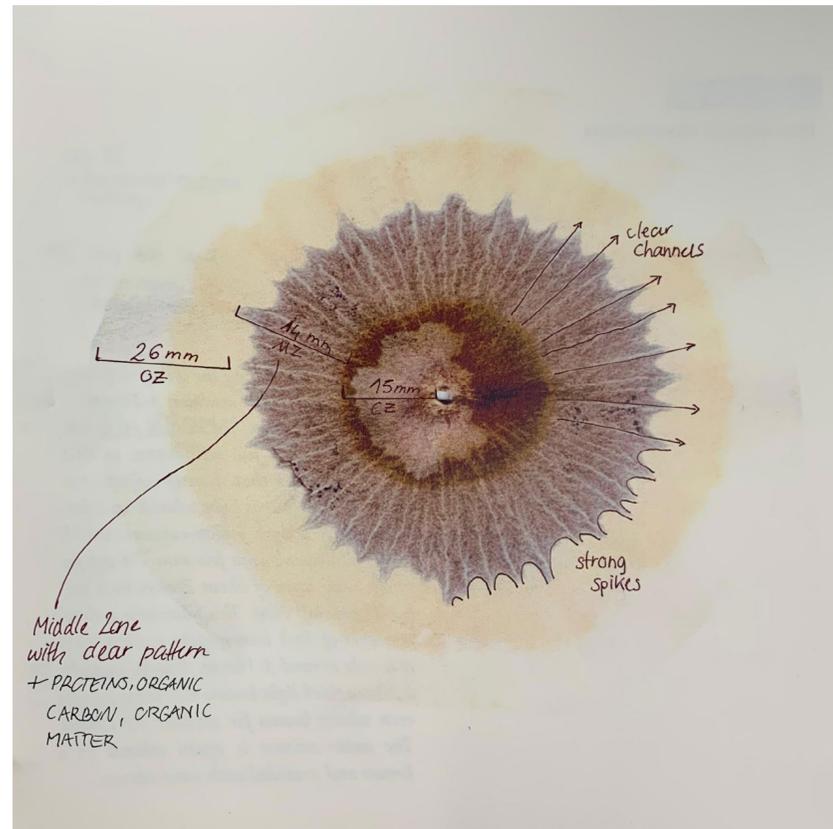
Sample 1, Orchard



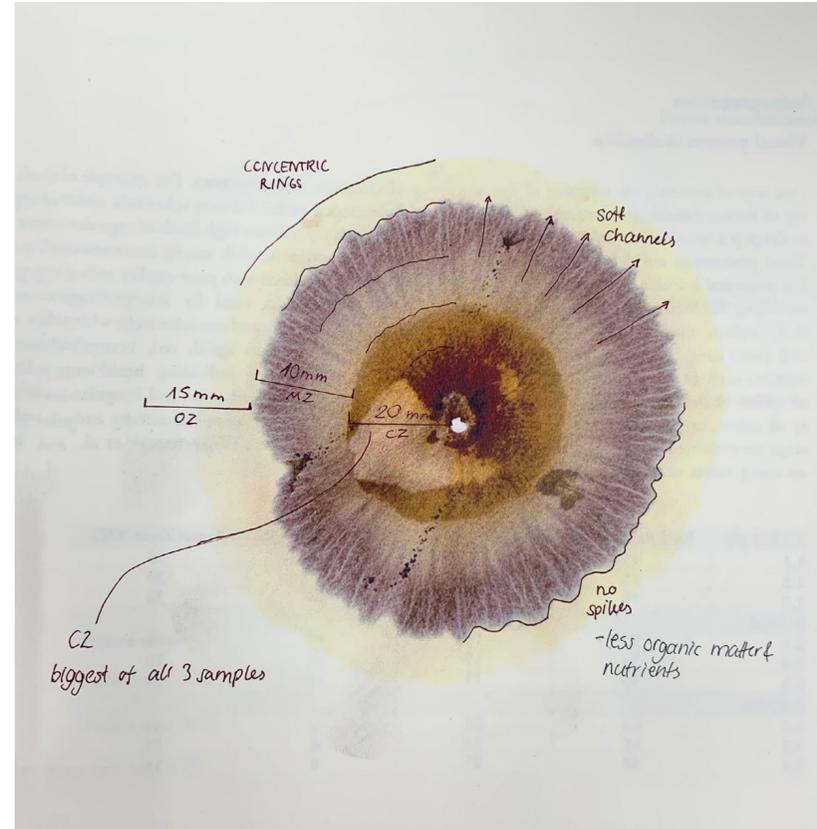
Sample 2, Field



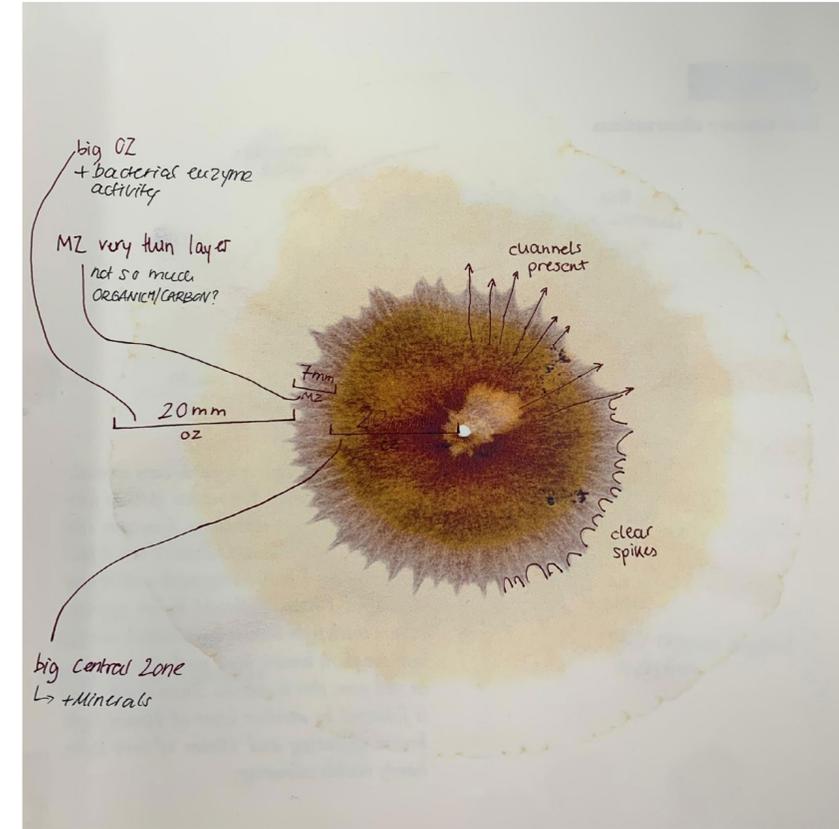
Sample 3, Forest



Sample 1, Orchard



Sample 2, Field



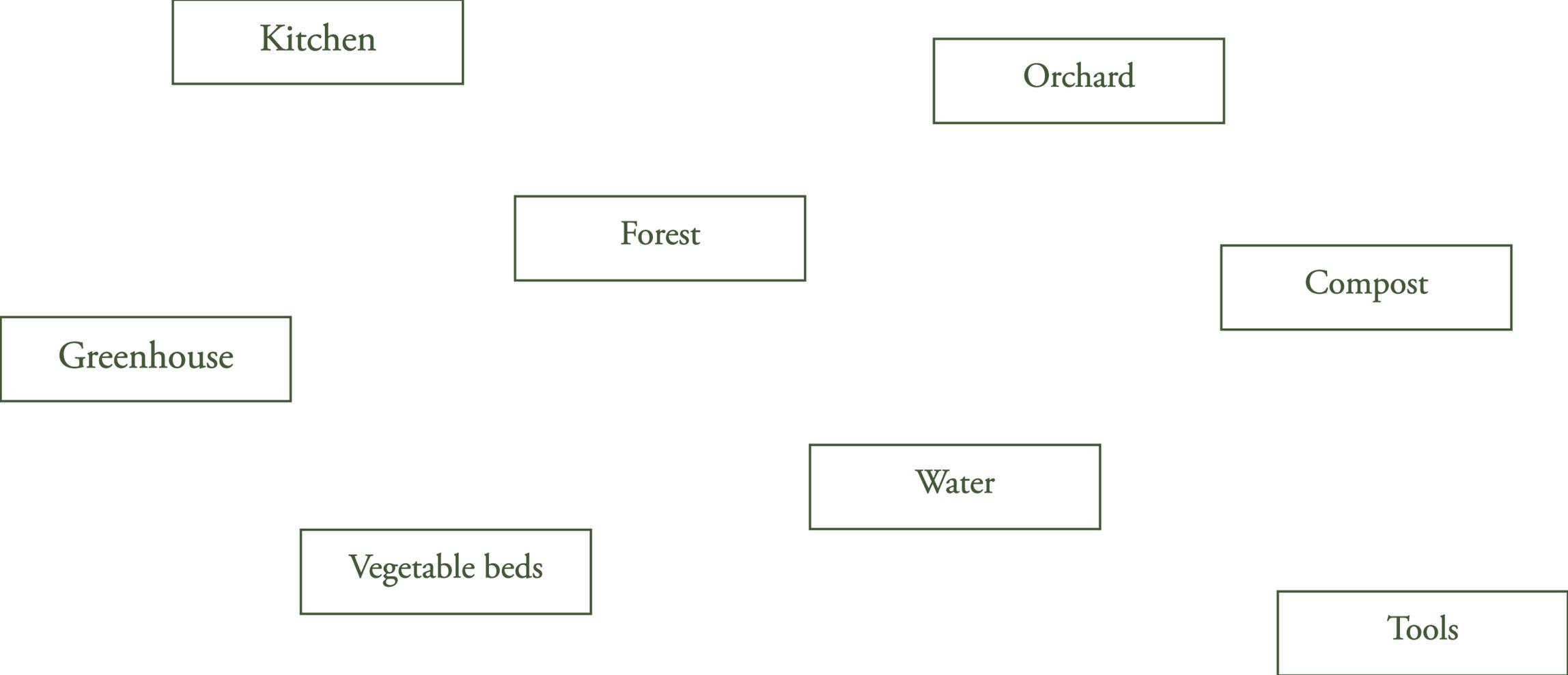
Sample 3, Forest



How can we design for a regenerative land cultivation, that allows for reconnection?

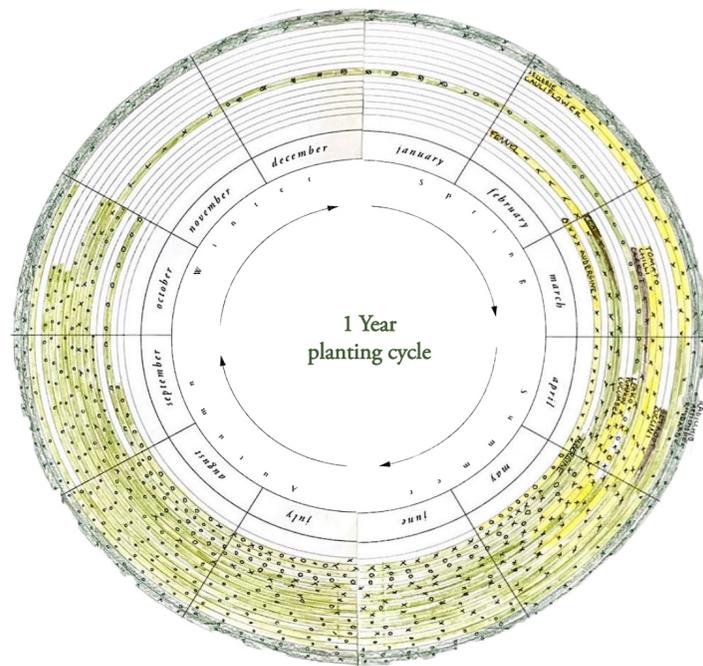
Designing with cycles

ELEMENTS OF THE GARDEN

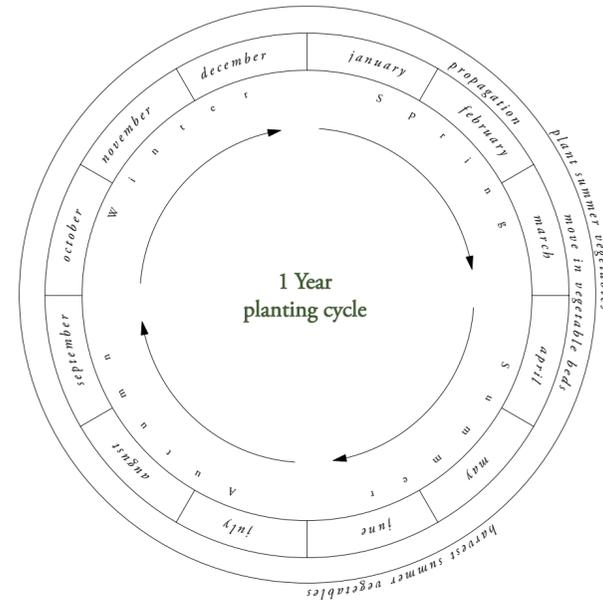


Designing with cycles

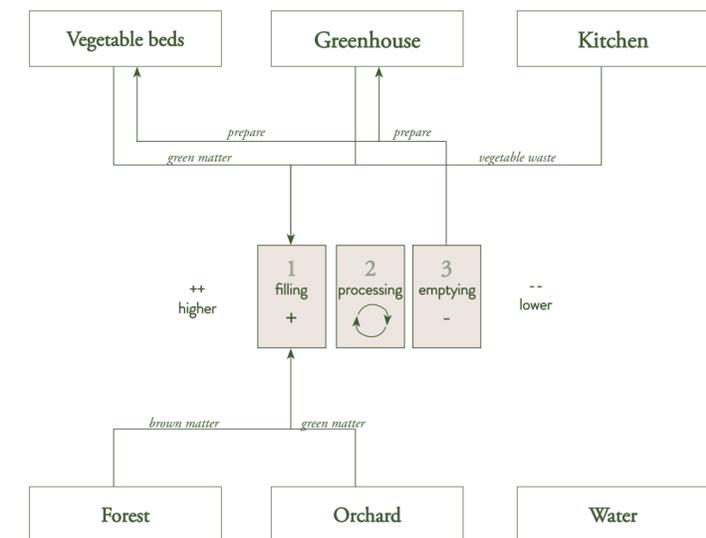
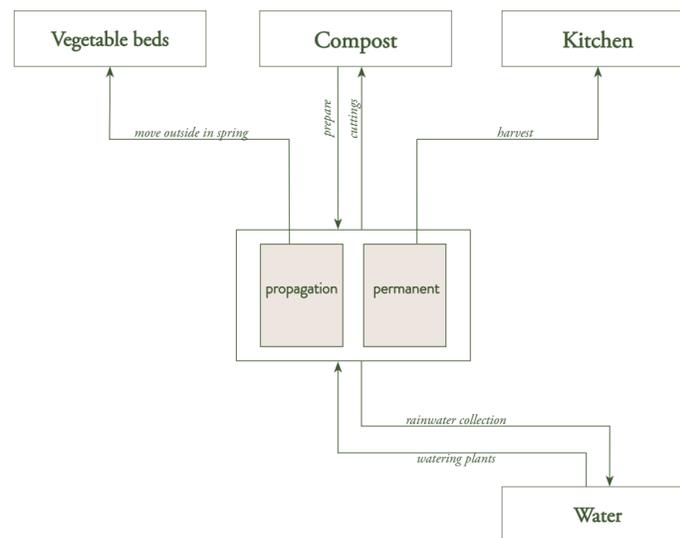
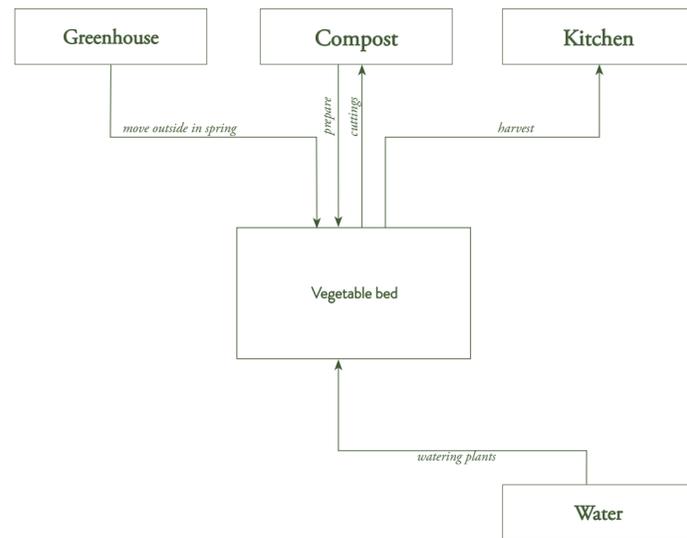
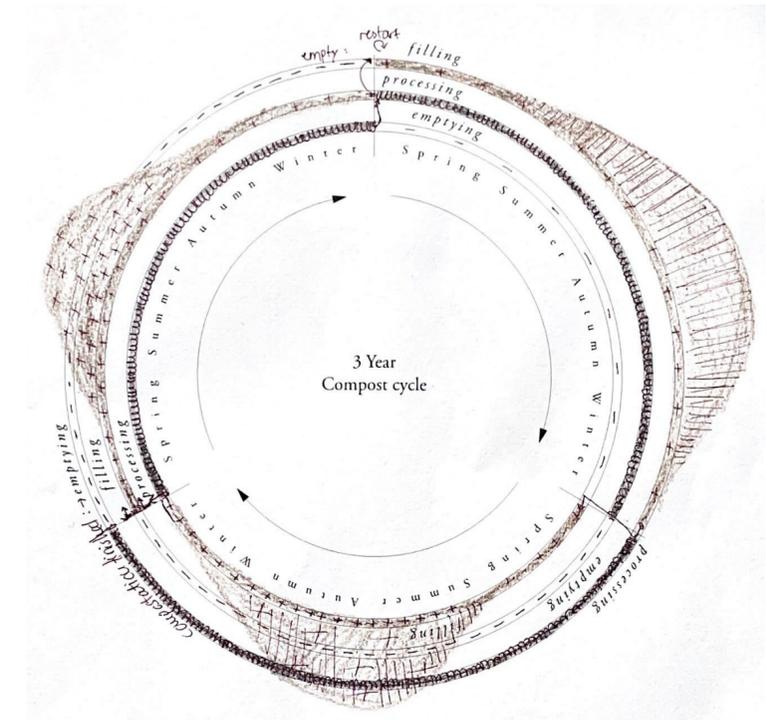
VEGETABLE BED



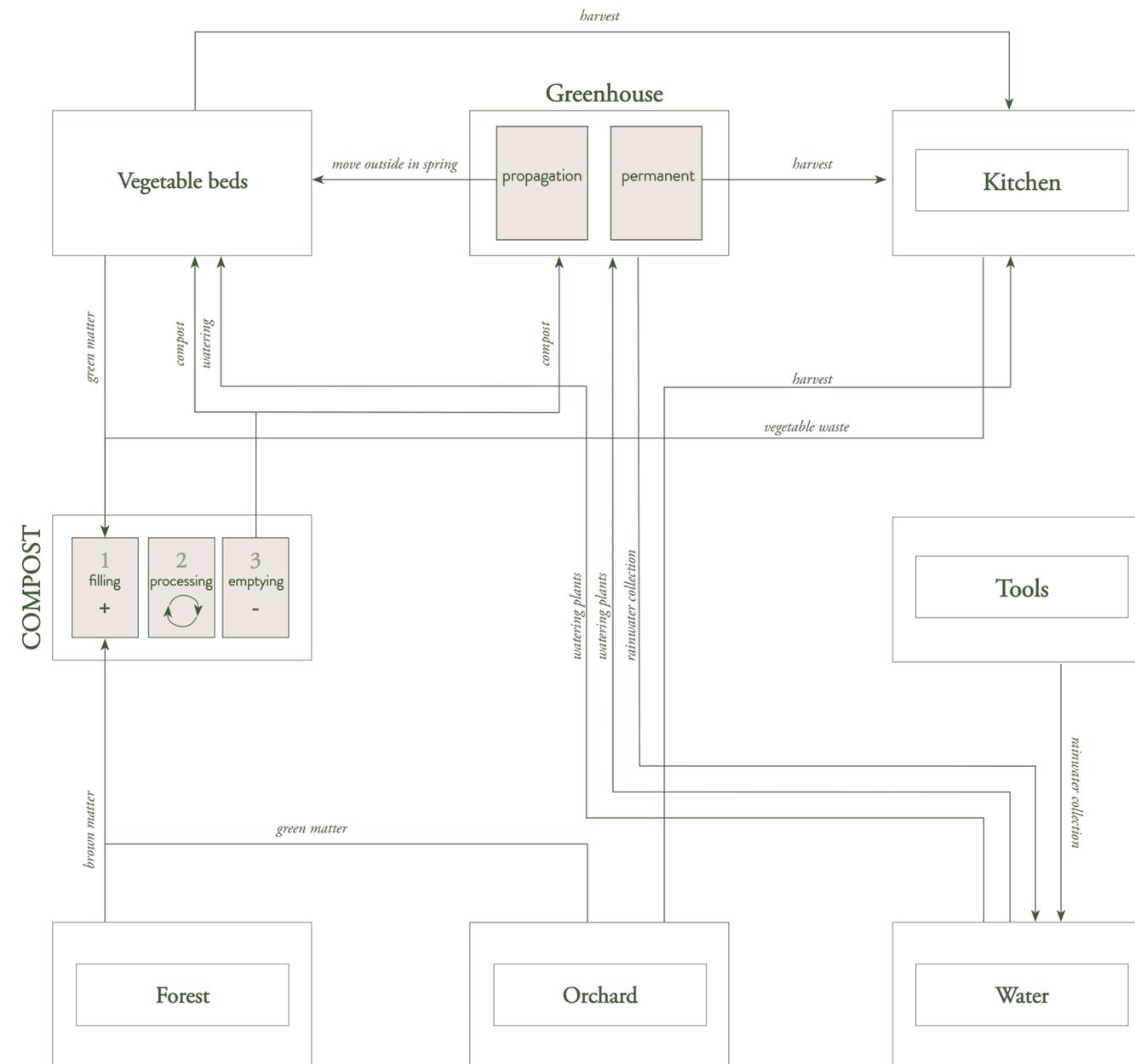
GREENHOUSE



COMPOST



Relations in the Garden



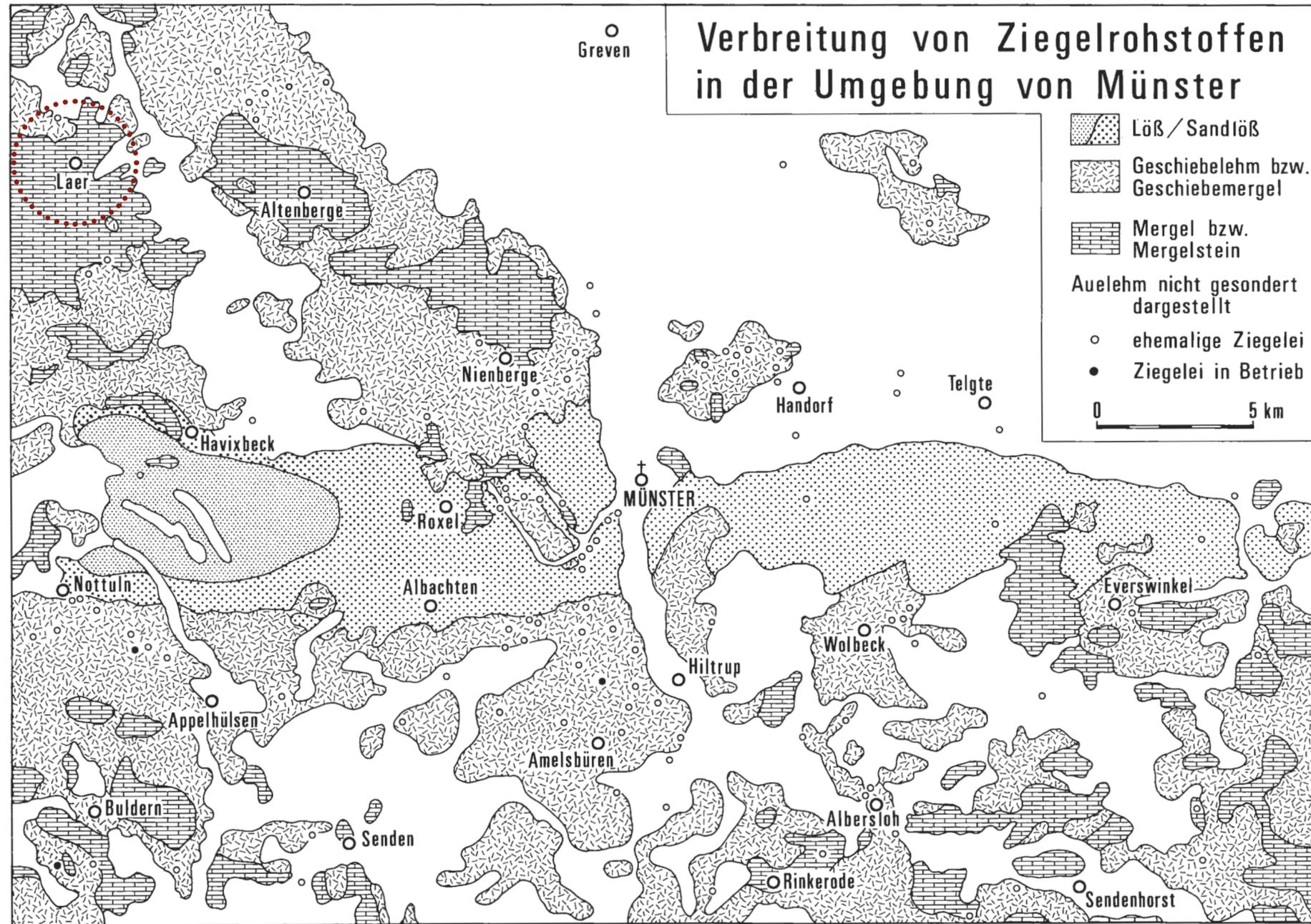
Material Culture

LOCAL BRICK



Material Culture

LOCAL BRICK



Material Culture

FELDBRANDOFEN



Field oven

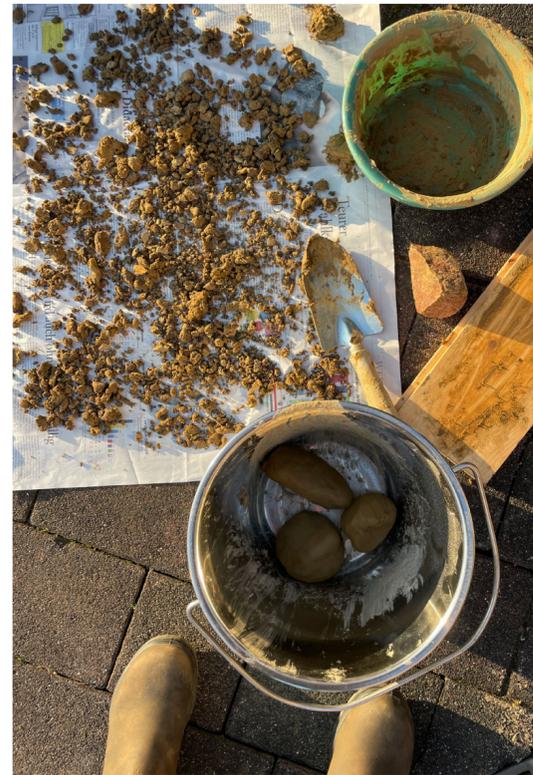
Field experiment

MAKING BRICKS

Taking samples



Drying



Kneading



Forming



Burning

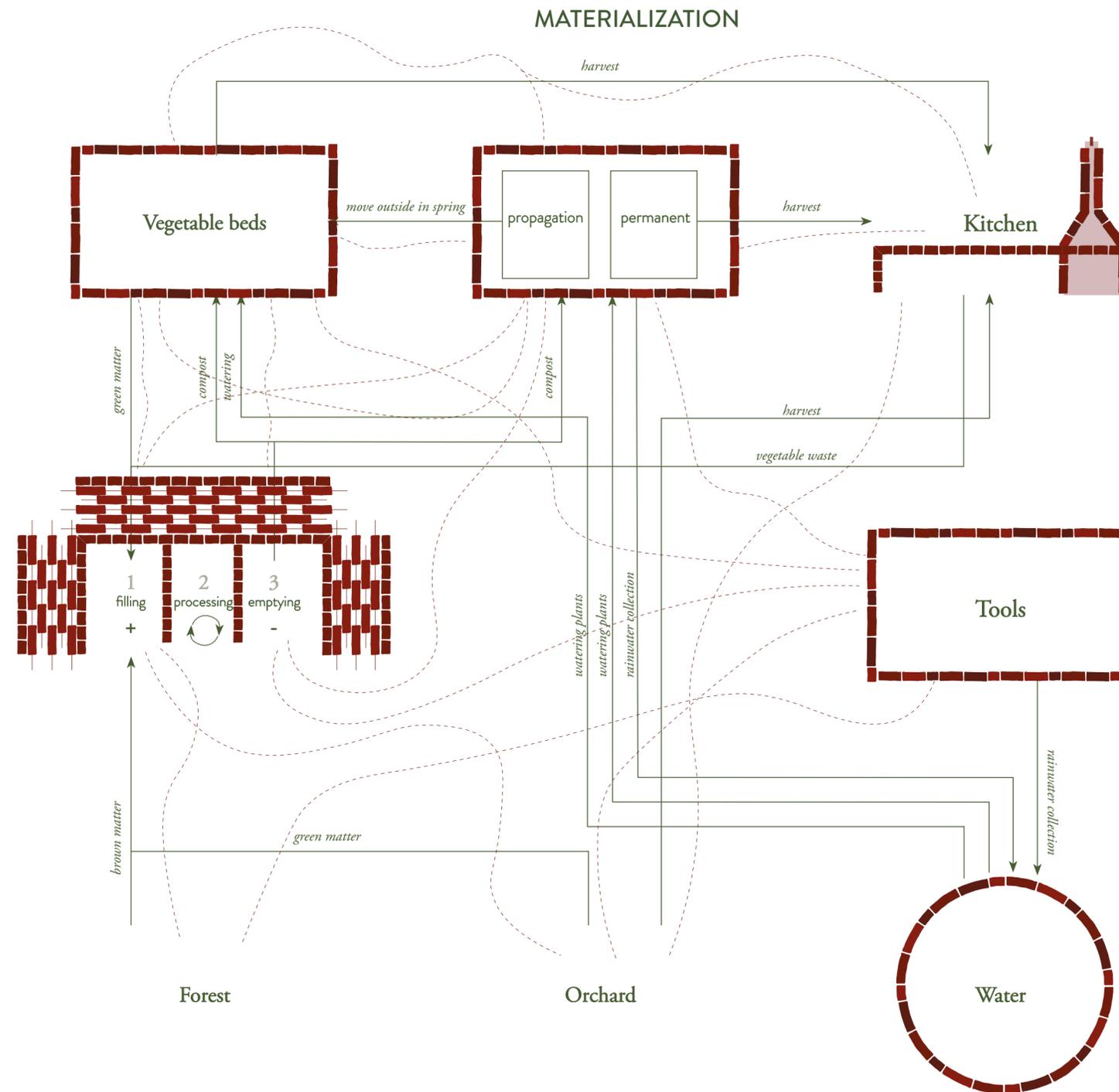


Field experiment

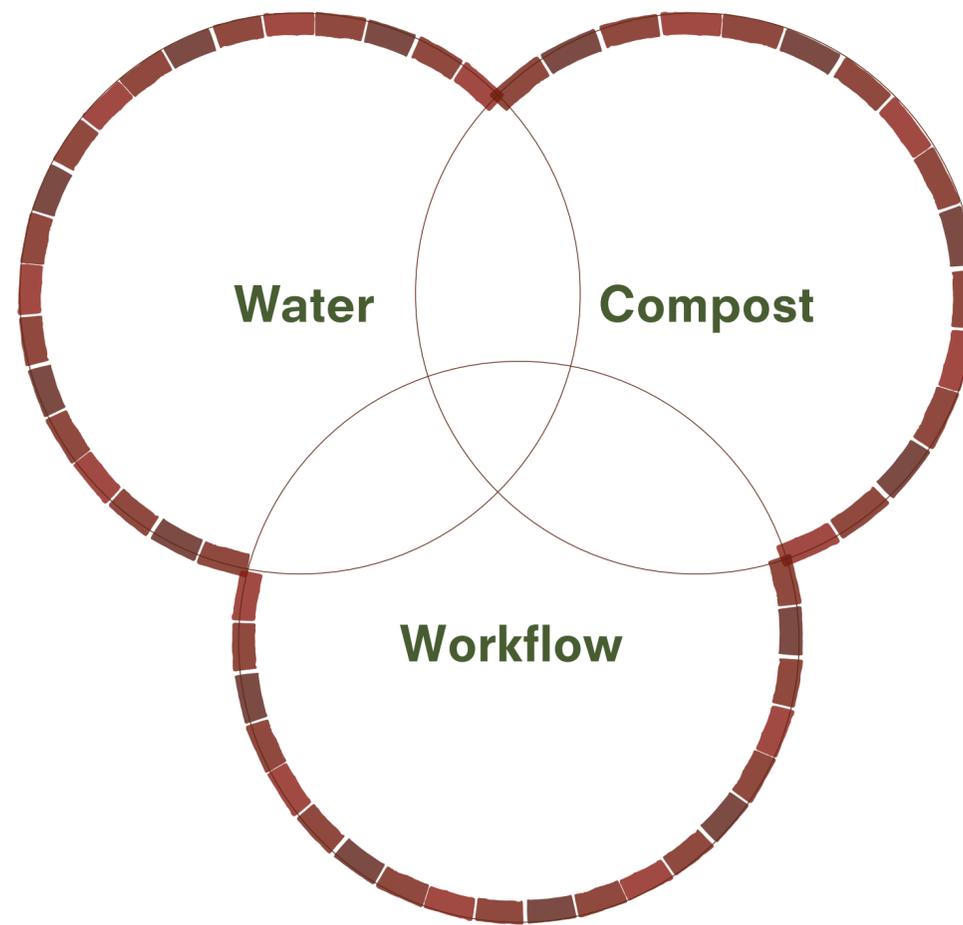
MAKING BRICKS



Relations in the Garden

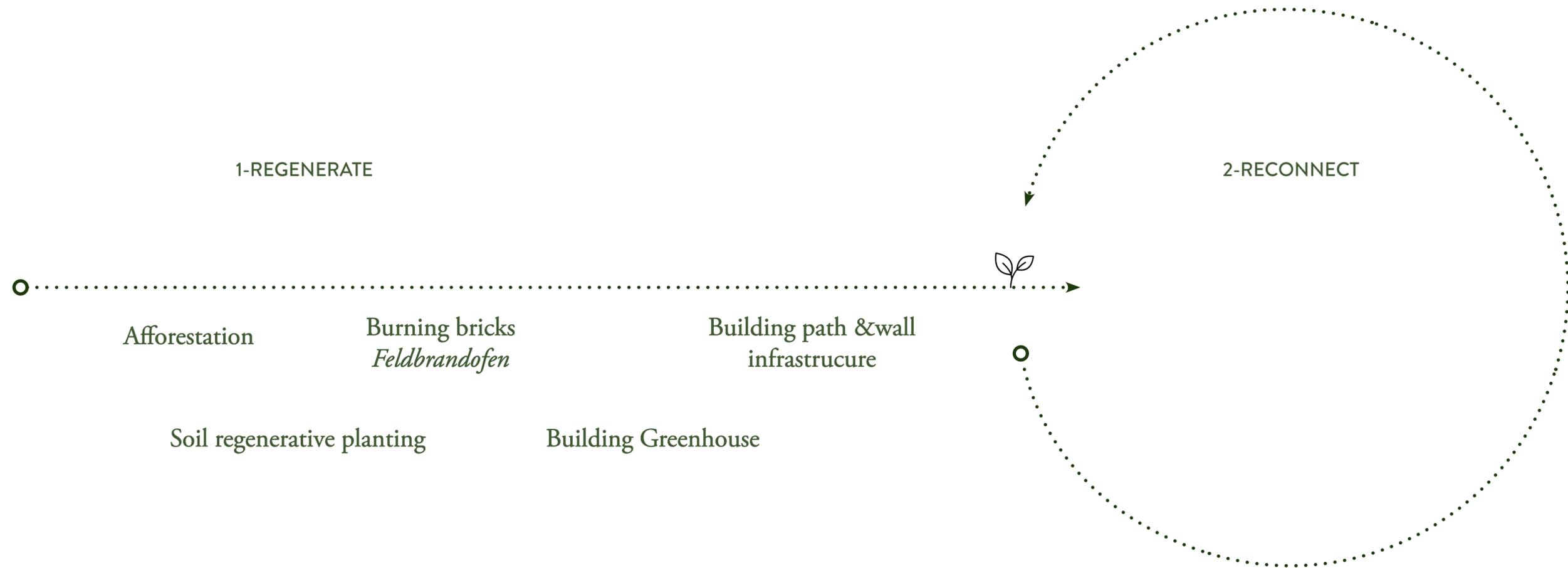


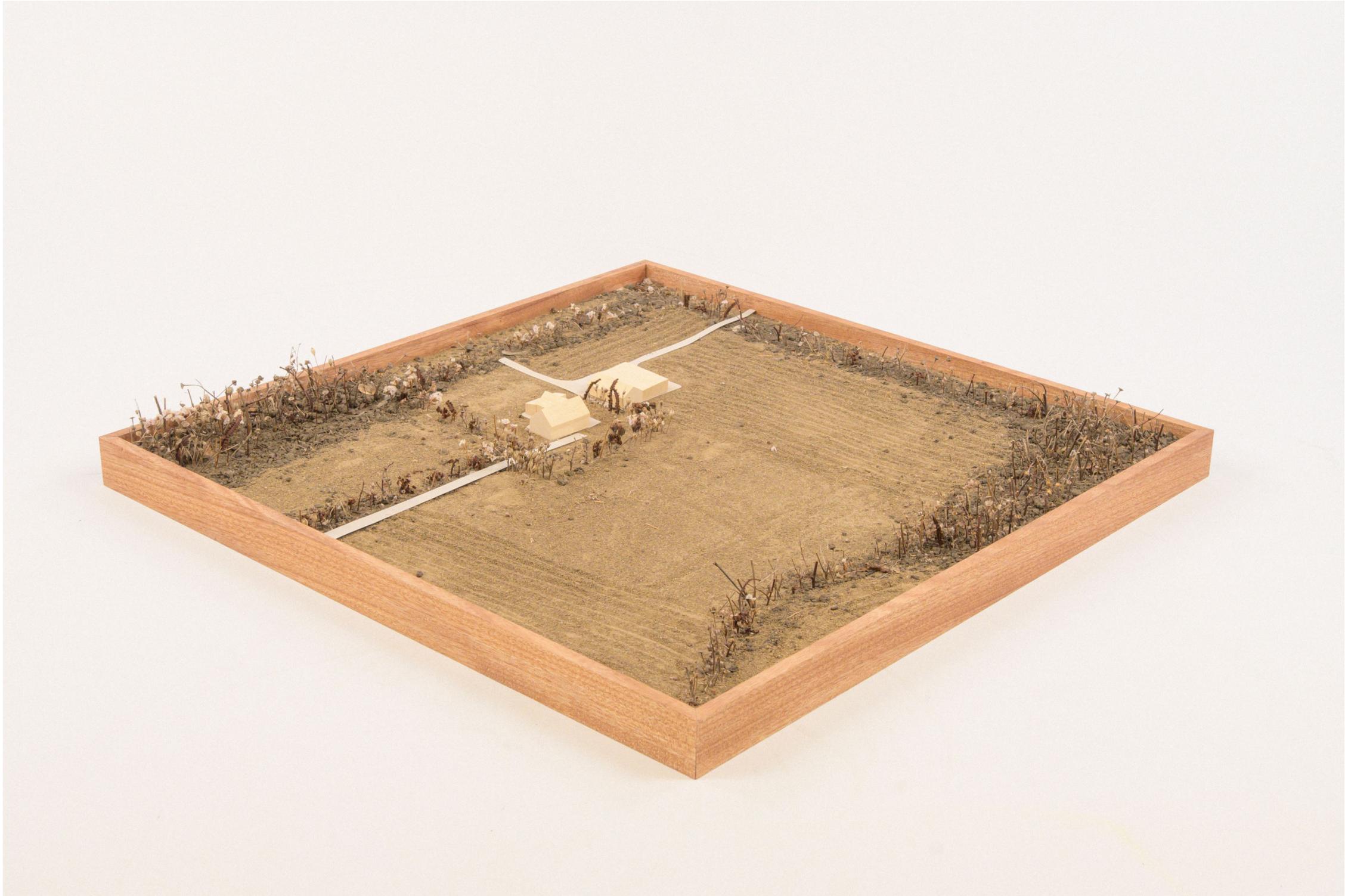
BRICK AS A GUIDING MATERIAL

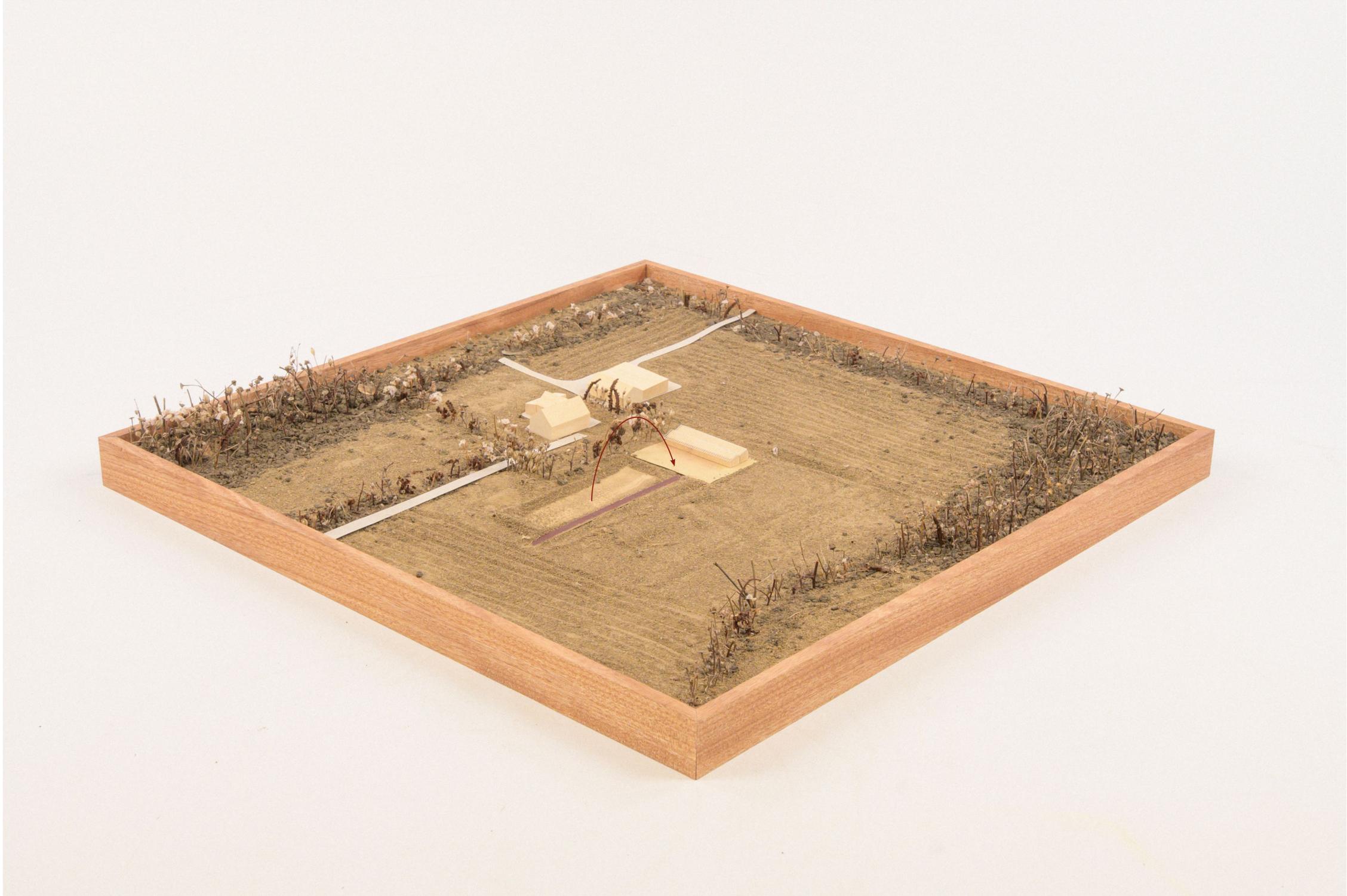


Towards a more reciprocal cultivation

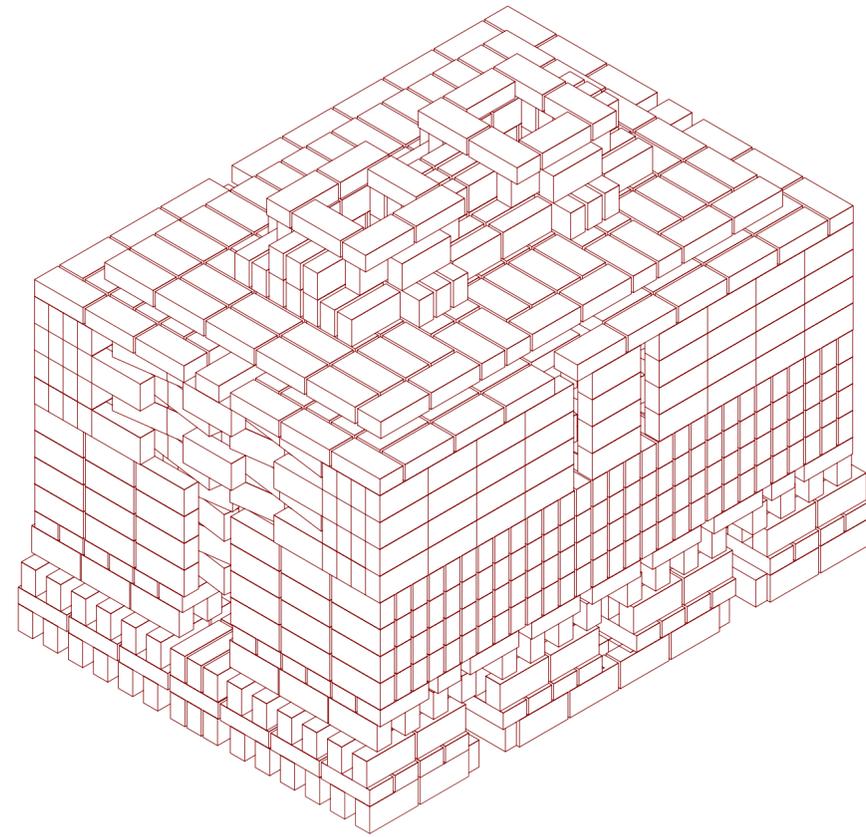
DESIGNING A PROCESS

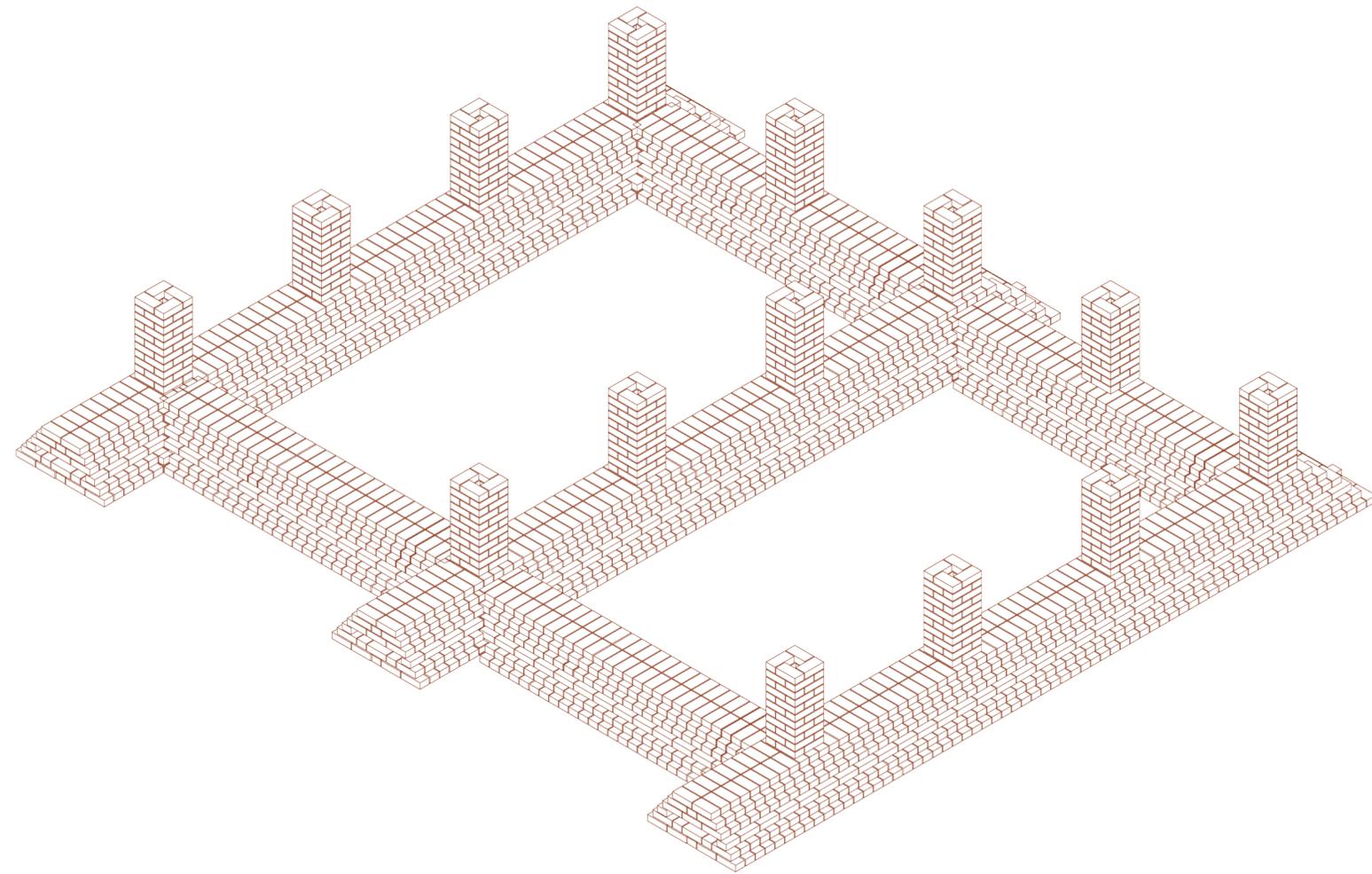






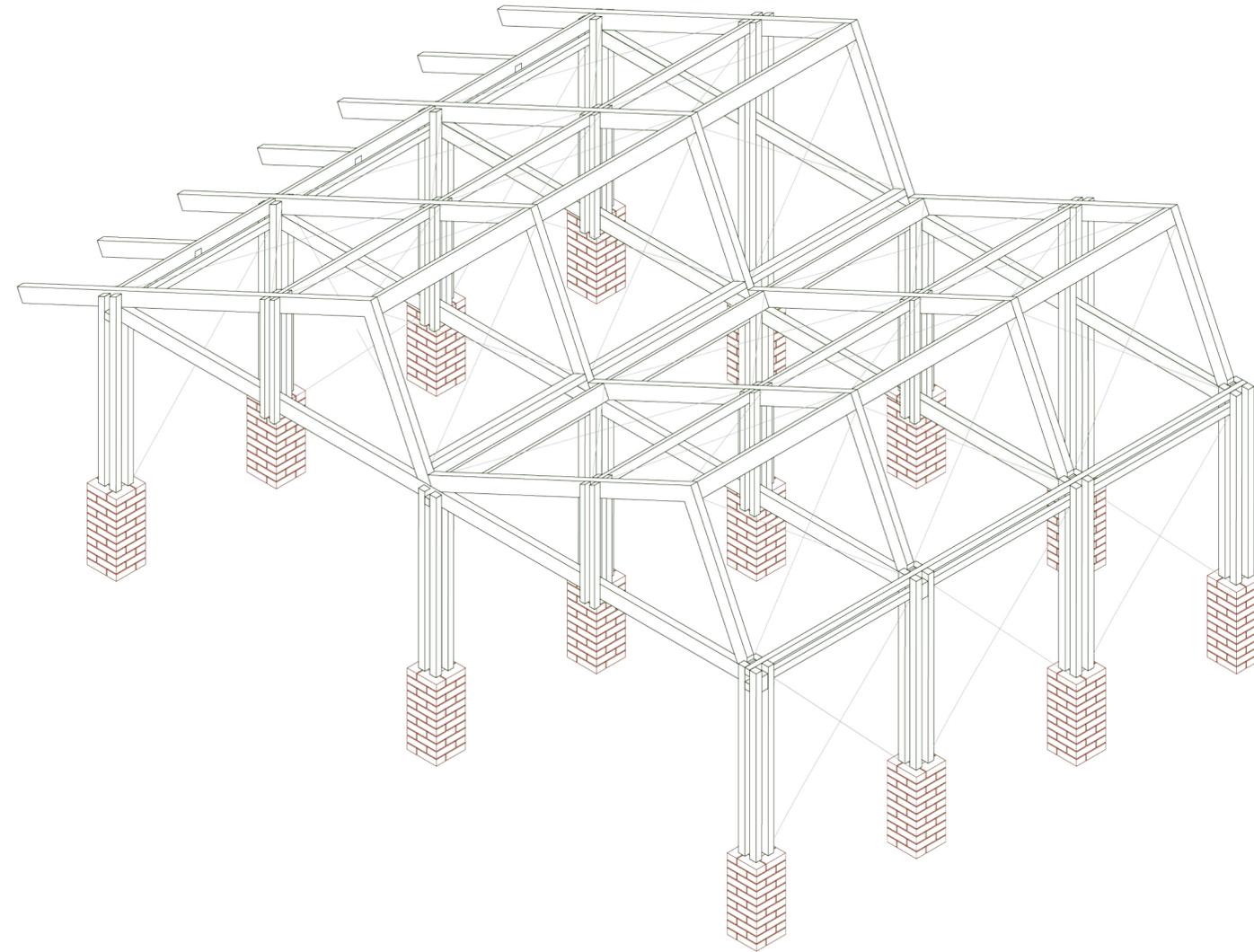
FIELD OVEN





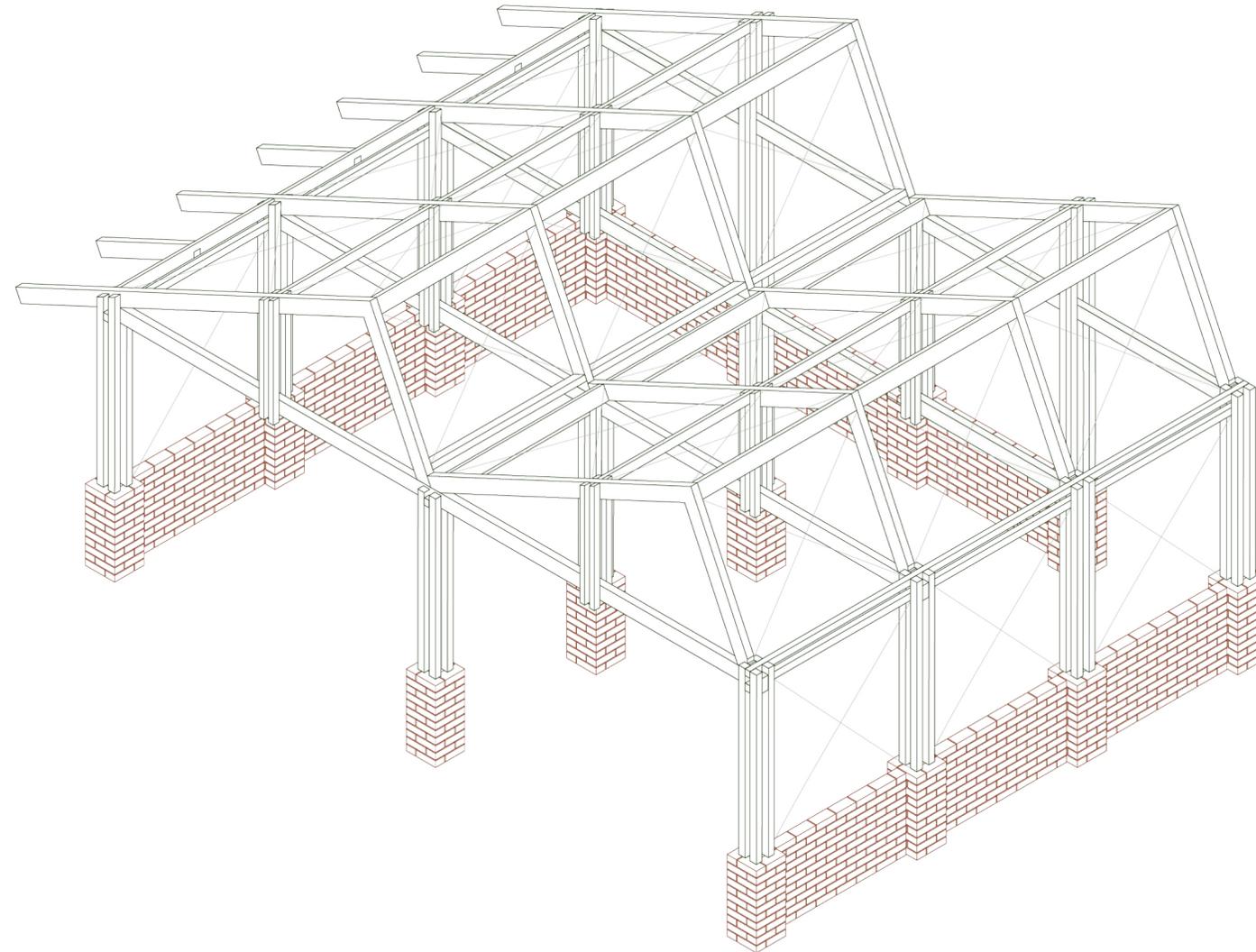
01-Brick Foundation

Greenhouse Structure | Construction Sequence | Scale 1:50



02-Timber Framework

Greenhouse Structure | Construction Sequence | Scale 1:50



03- Wall Infill

Greenhouse Structure | Construction Sequence | Scale 1:50

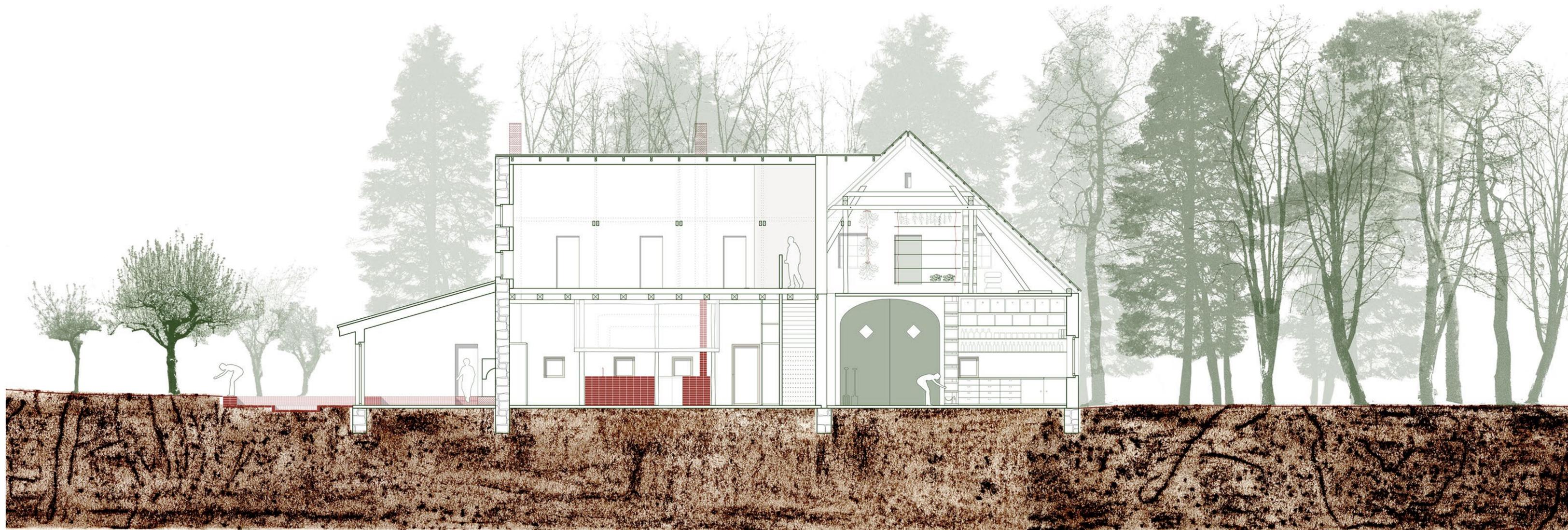


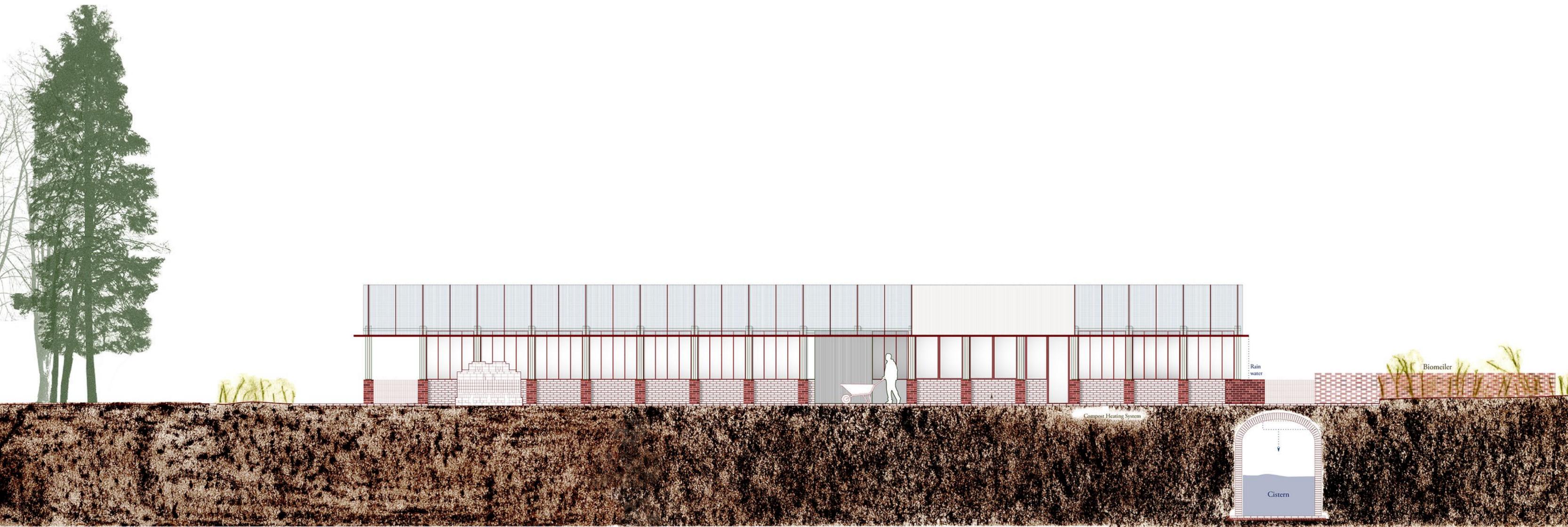






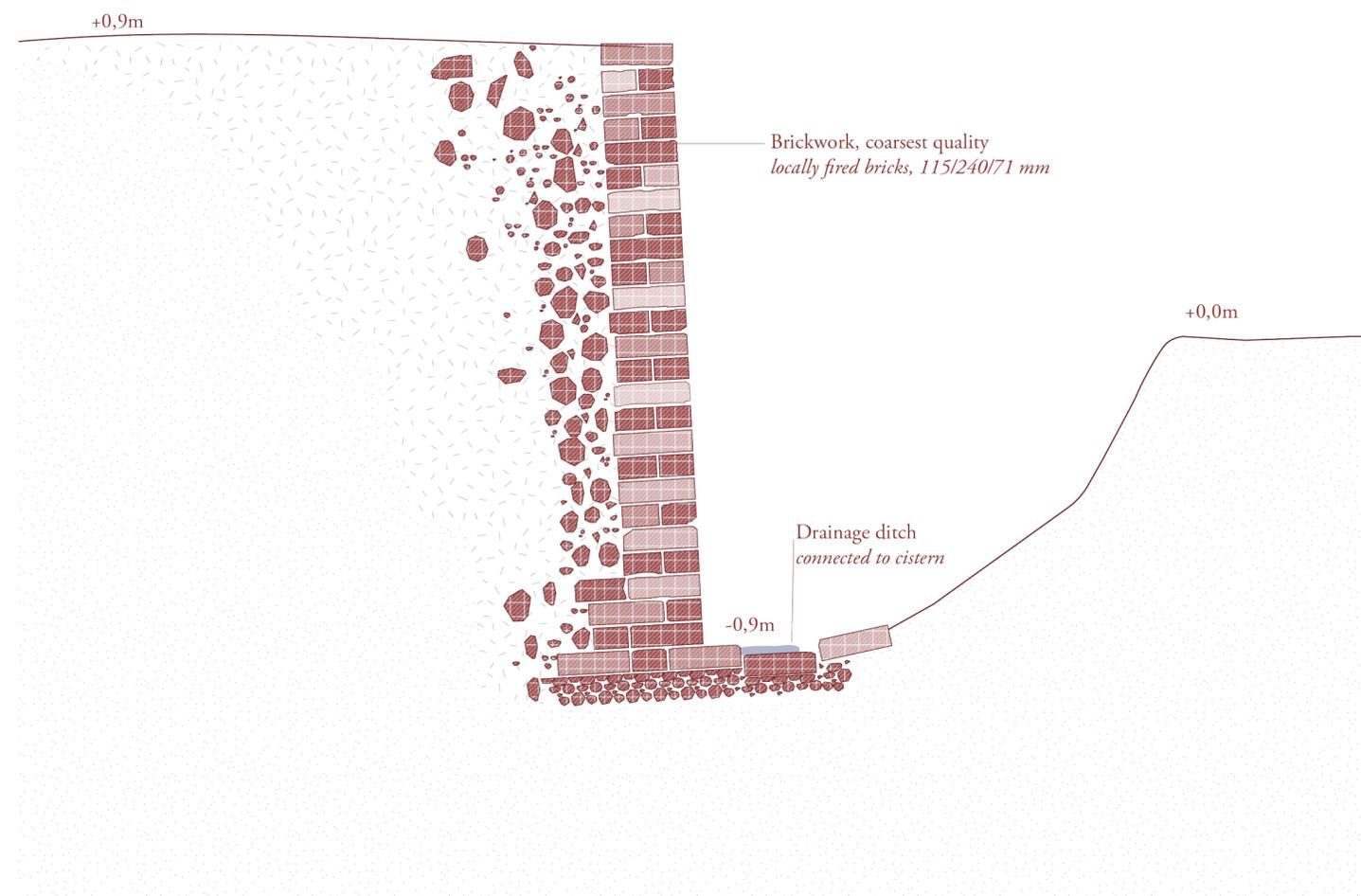




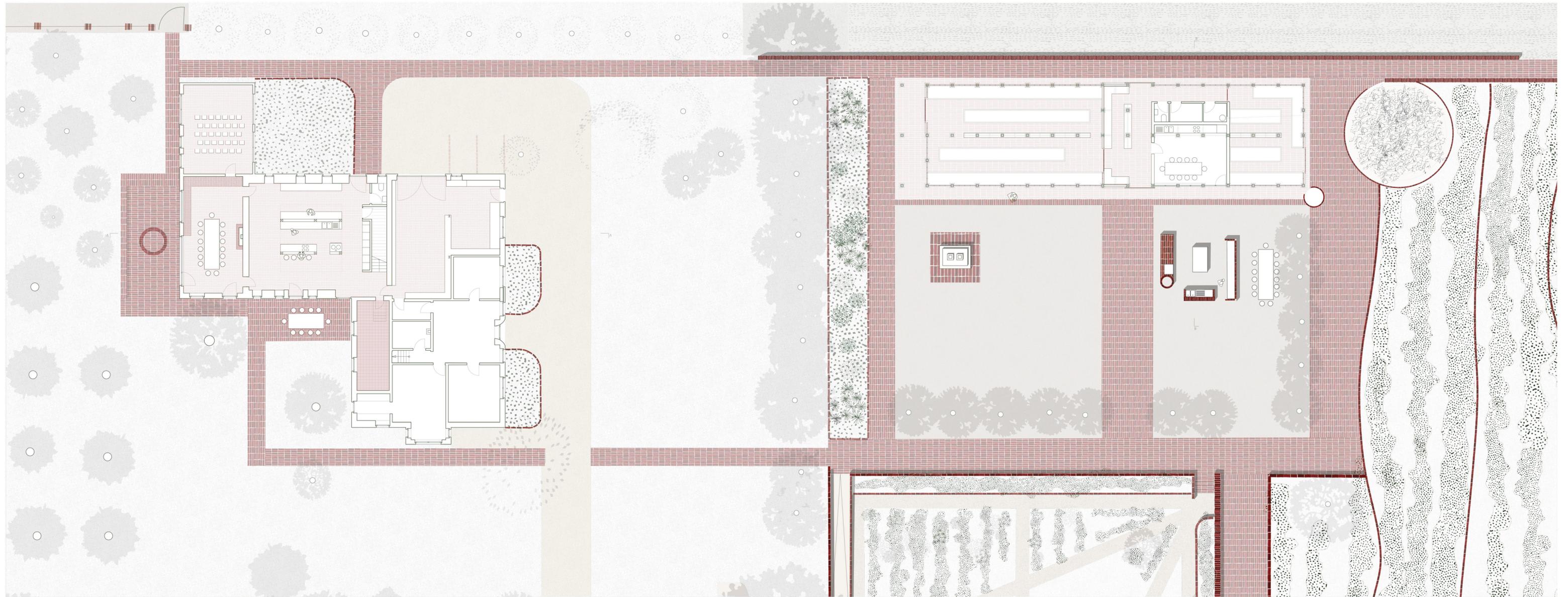




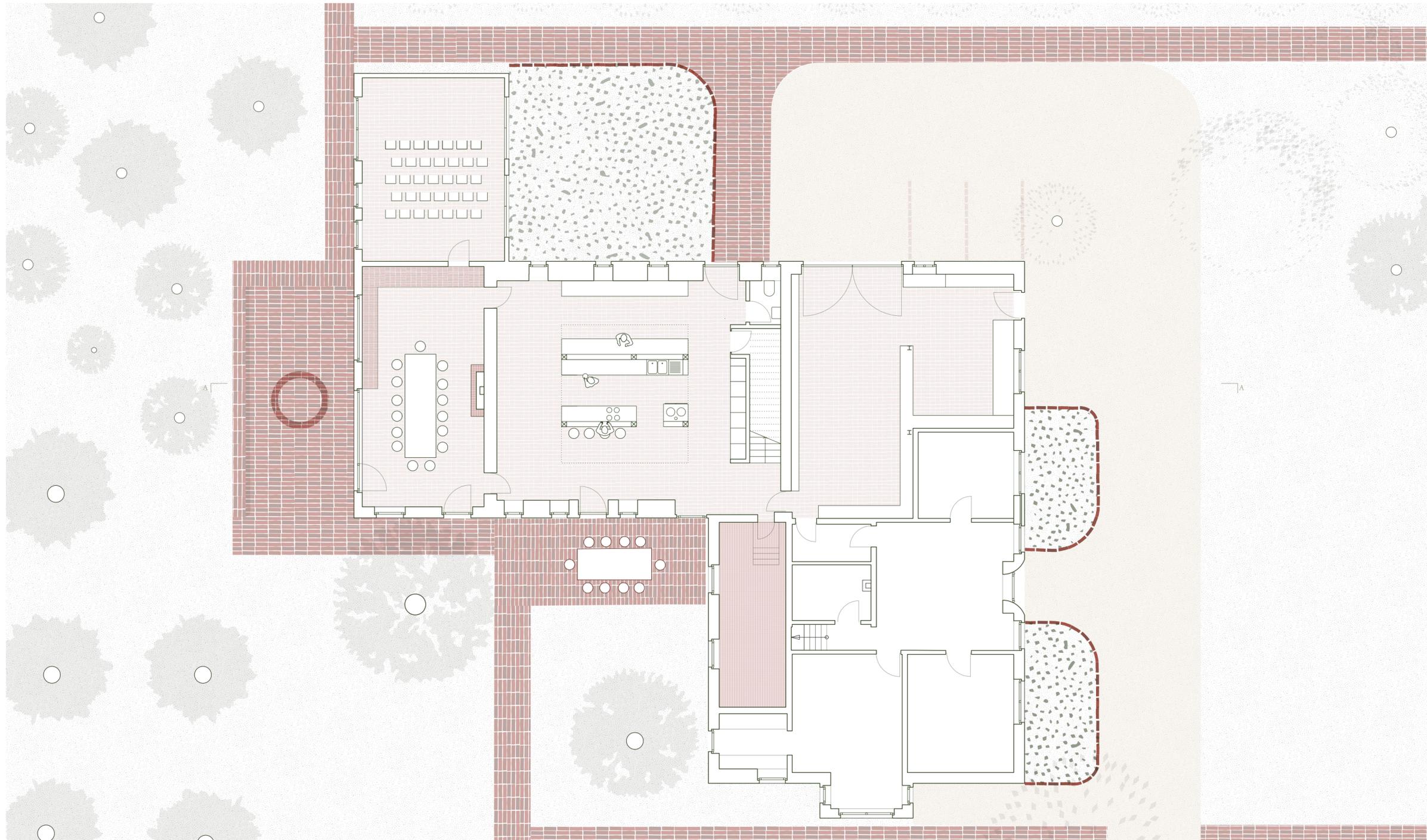




RETAINING WALL / HA-HA



FLOOR PLAN GROUND LEVEL | SCALE 1:100



FARMERS RESIDENCY AND KITCHEN | SCALE 1:100



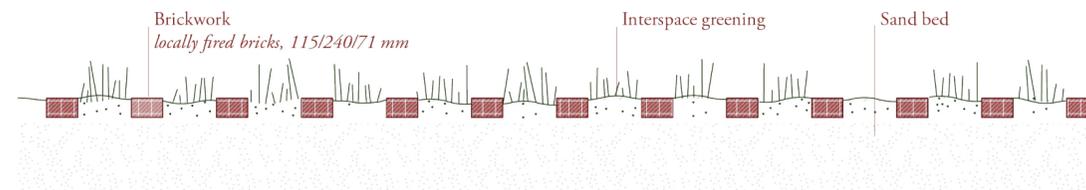
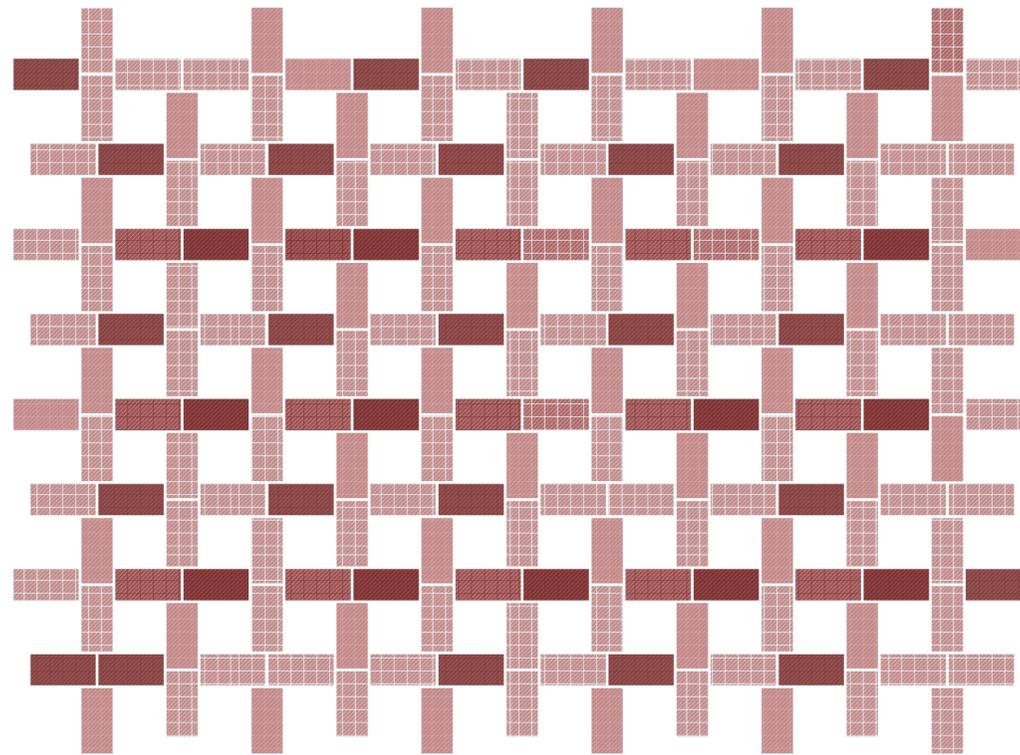




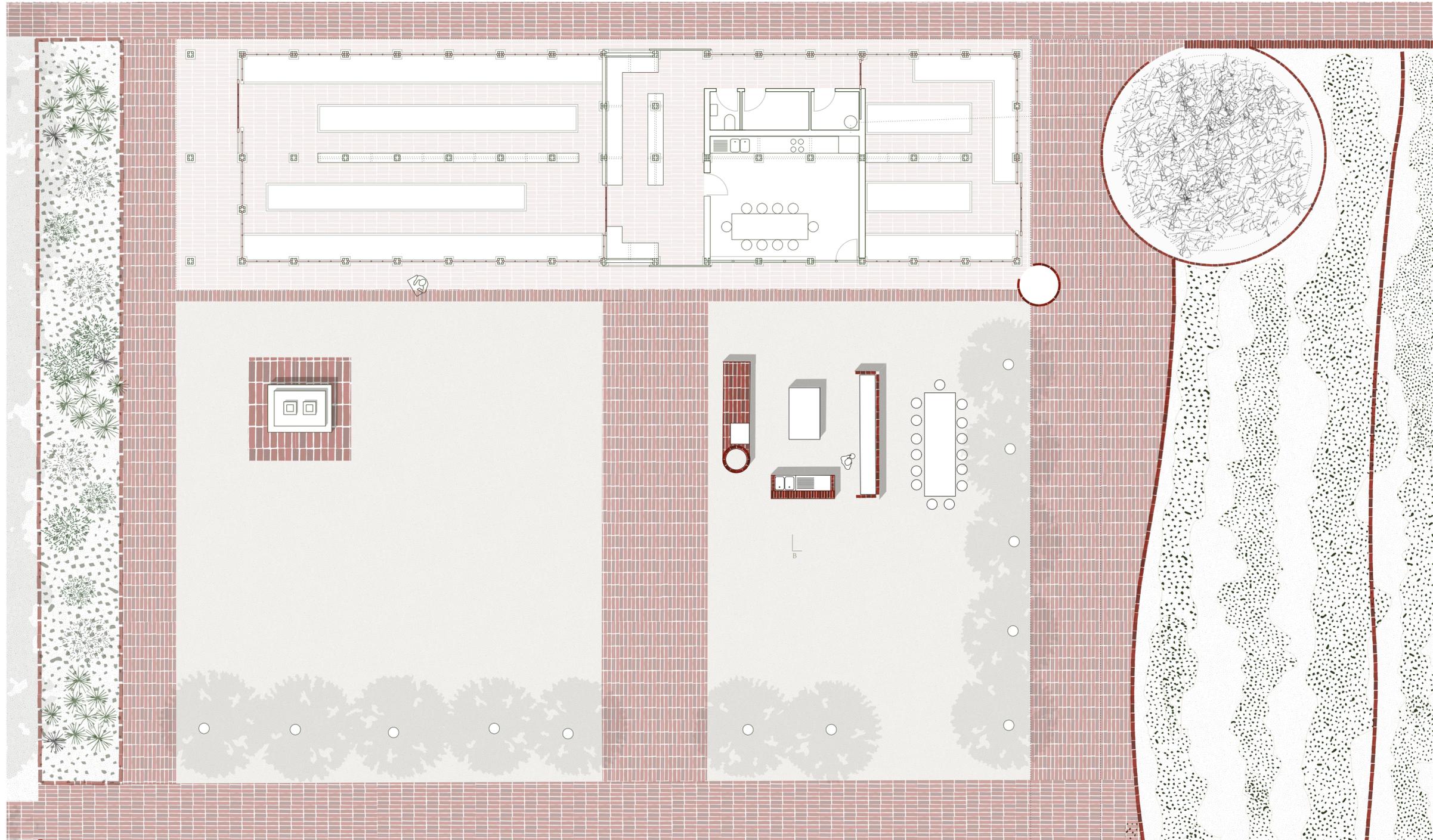
Section A_A | Scale 1:50







Paving with porosity | Scale 1:20

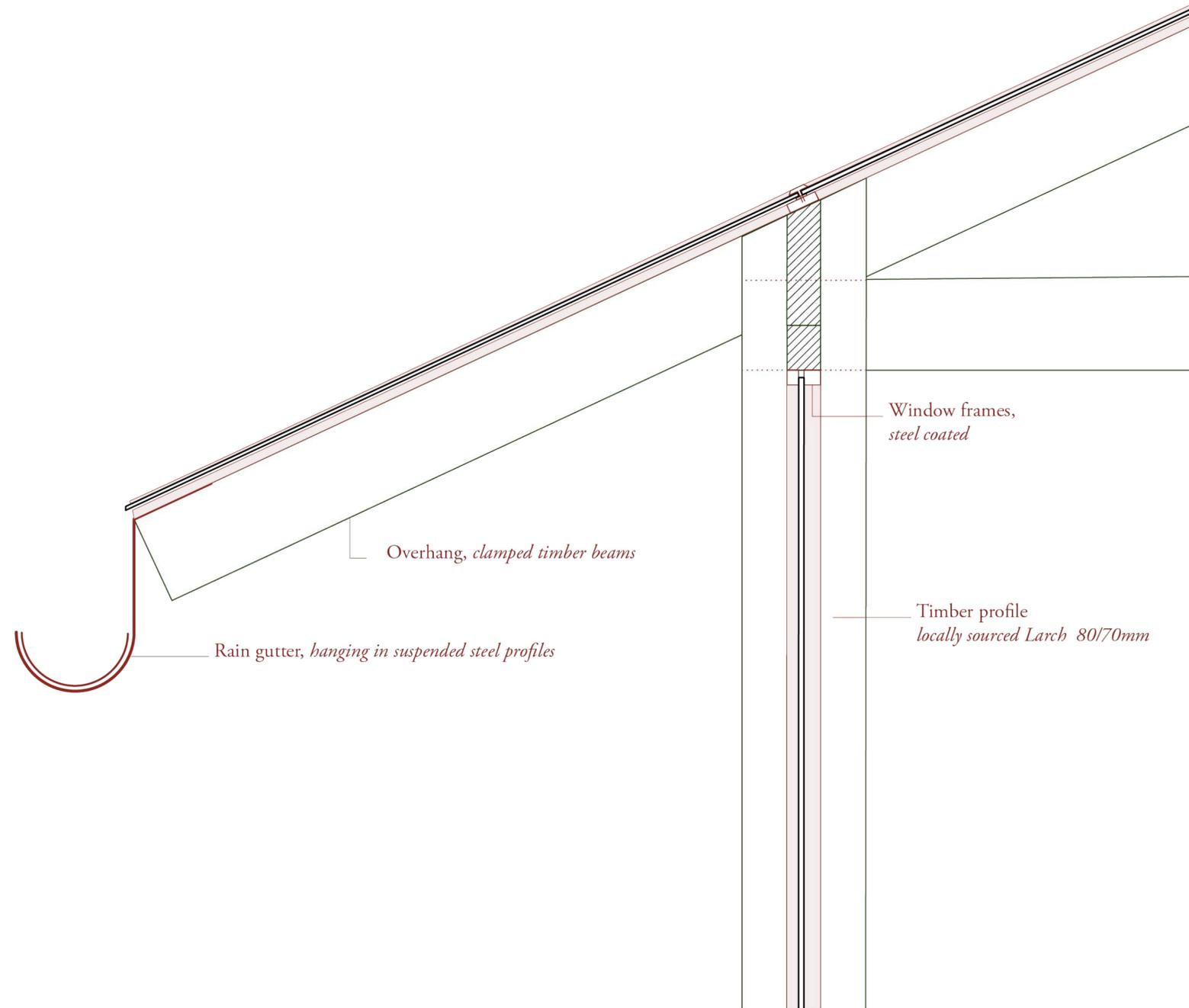


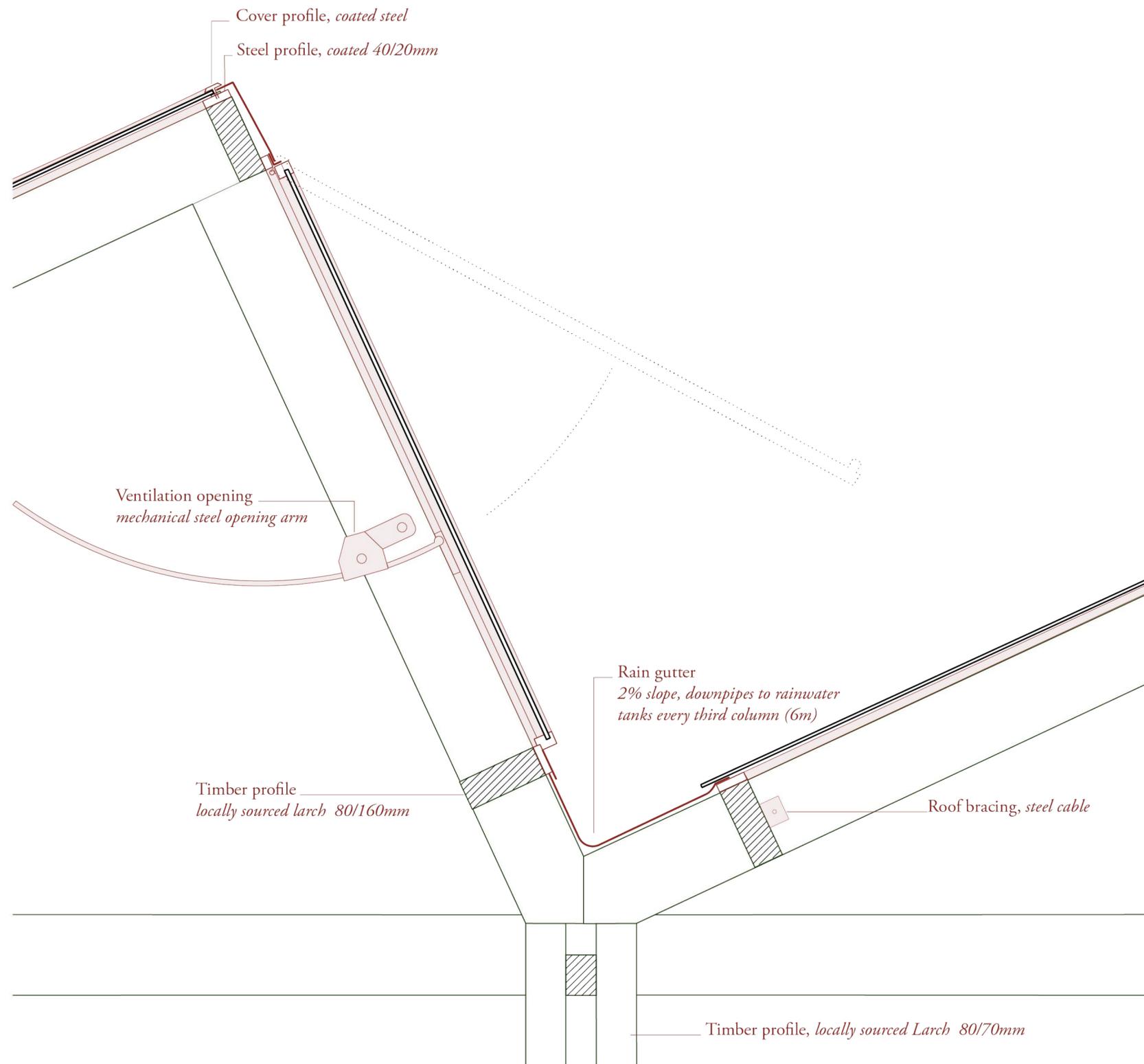
GREENHOUSE AND OUTDOOR KITCHEN

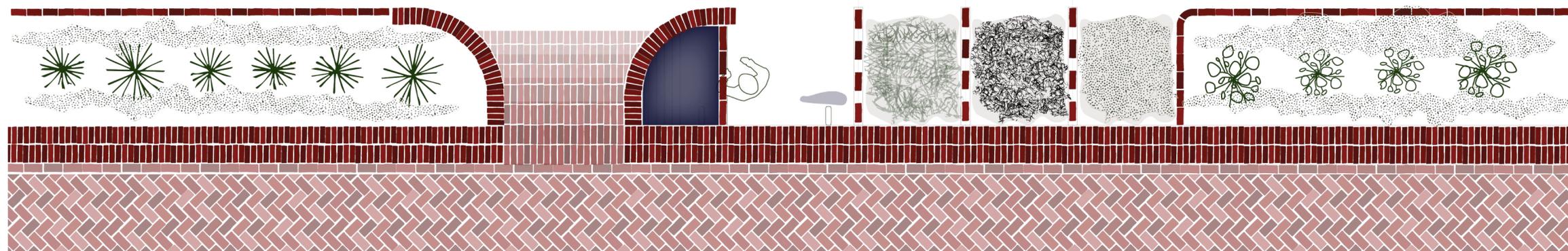


SECTION B_B

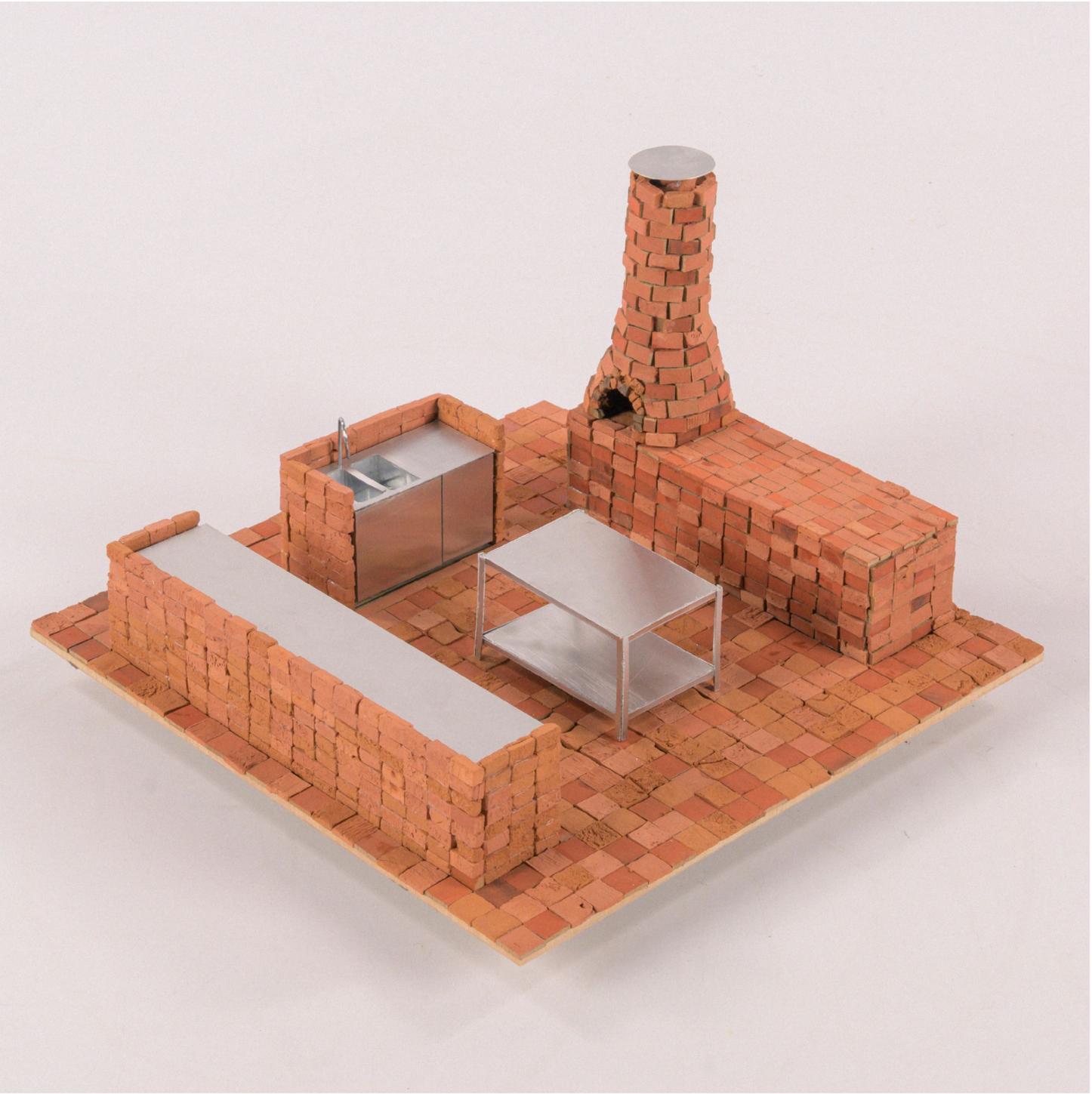
WATER COLLECTION





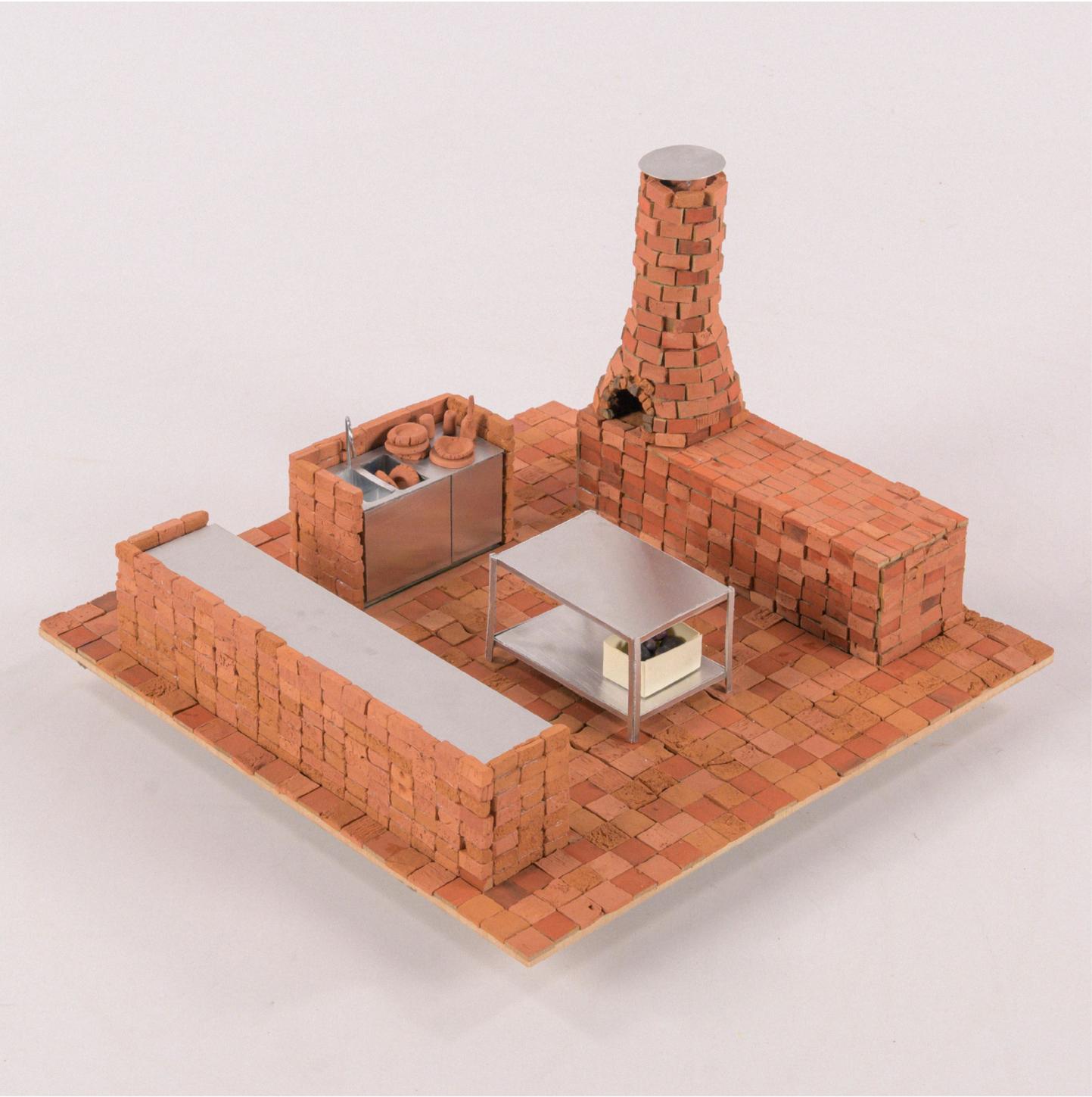


COMPOST-WATER-BRICK











What the local ecosystem has to offer

VOEDSELTUIN ROTTERDAM





The local taste



Cultivating reciprocity through local food

The local taste



Cultivating reciprocity through local food