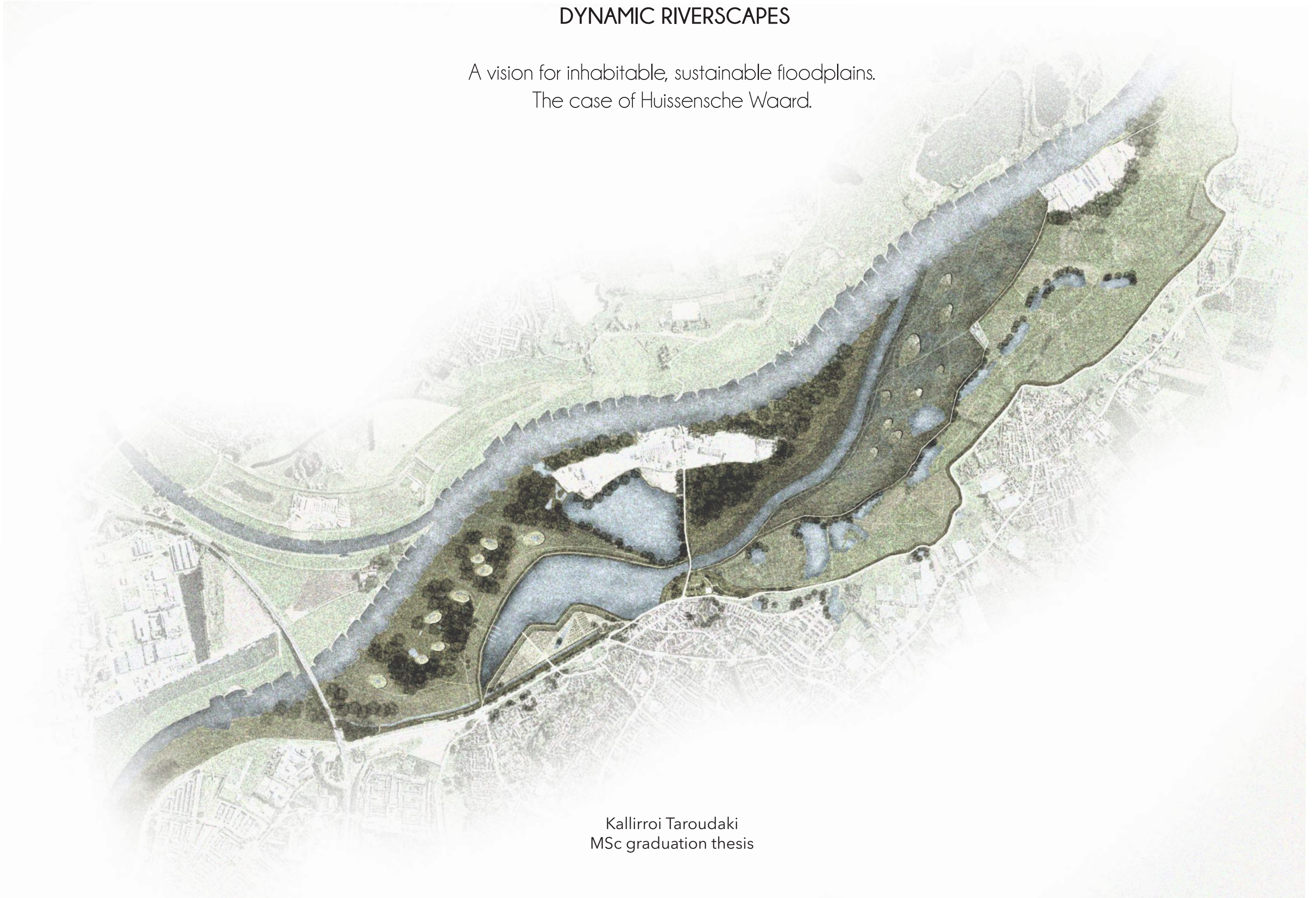


DYNAMIC RIVERSCAPES

A vision for inhabitable, sustainable floodplains.
The case of Huissensche Waard.

Kallirroi Taroudaki
MSc graduation thesis





ARNHEM

HUISSEN

ANGEREN

WATER FLOW EMBRACING RIVER DYNAMICS

the living mounds

1

2

3

the gardens

the bridge

5

6

new centre

summer dike

flood forest island

more space for water

3

4

5

6

7

8

9

10

11

12

13

14

15

16

new safe flow water

extension of safe network

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

0 0.5 km 1 km 2 km



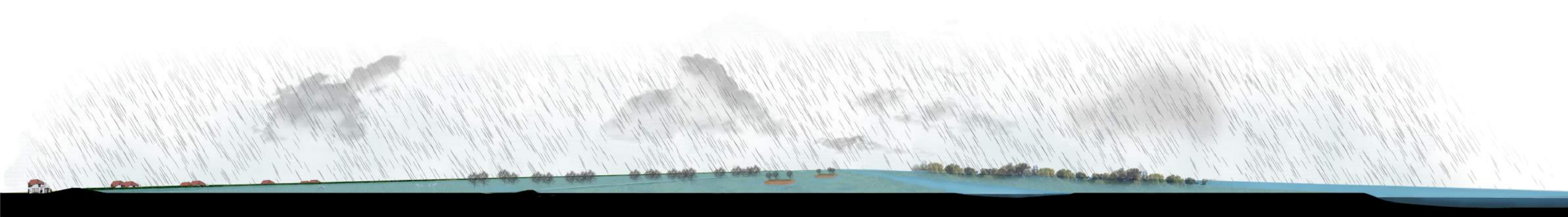
masterplan | DYNAMIC RIVERSCAPES



8.5 +NAP



12 +NAP



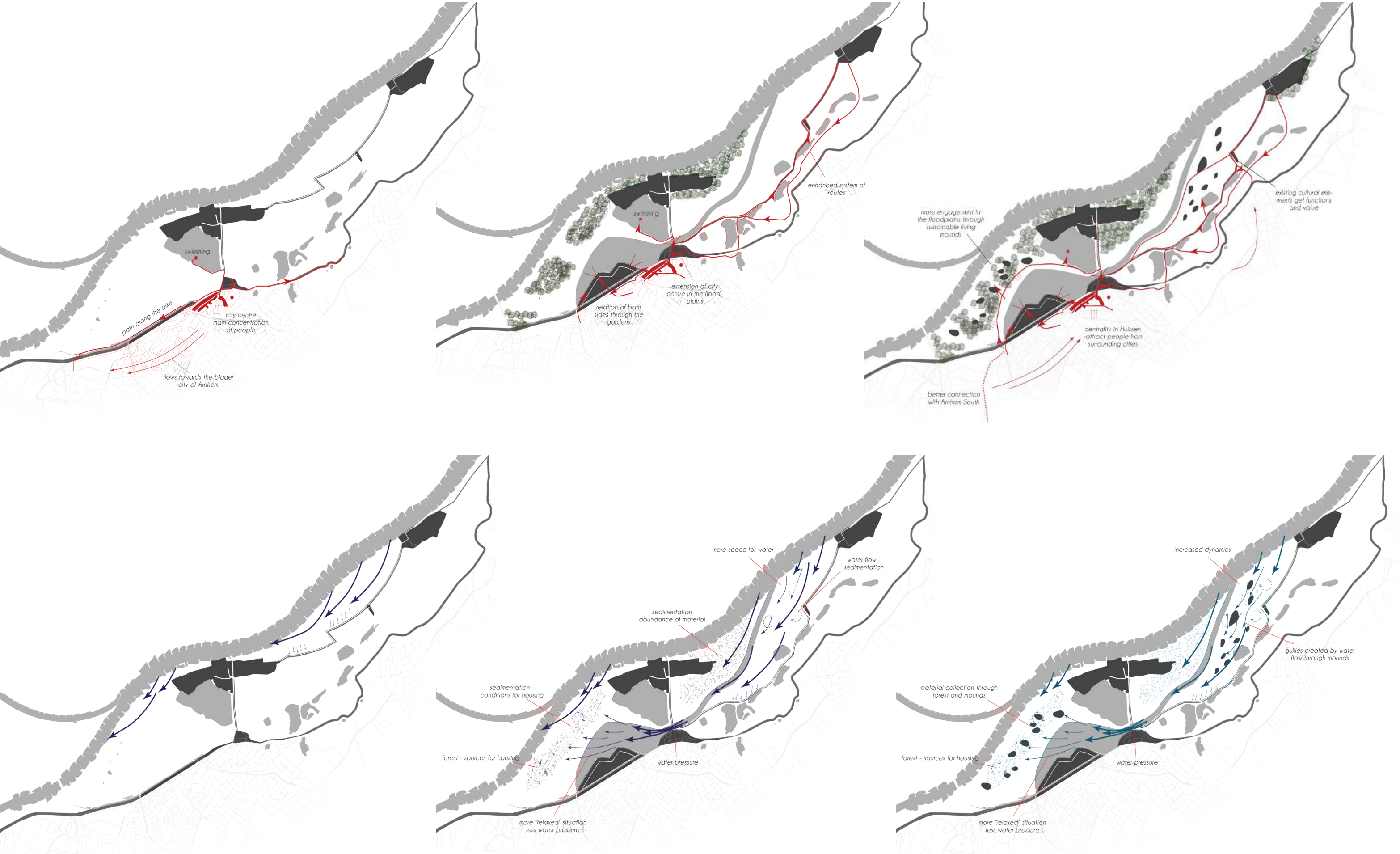
14.73 +NAP

Social and natural flows during masterplan development

YEAR 0

YEAR 8

YEAR 15+





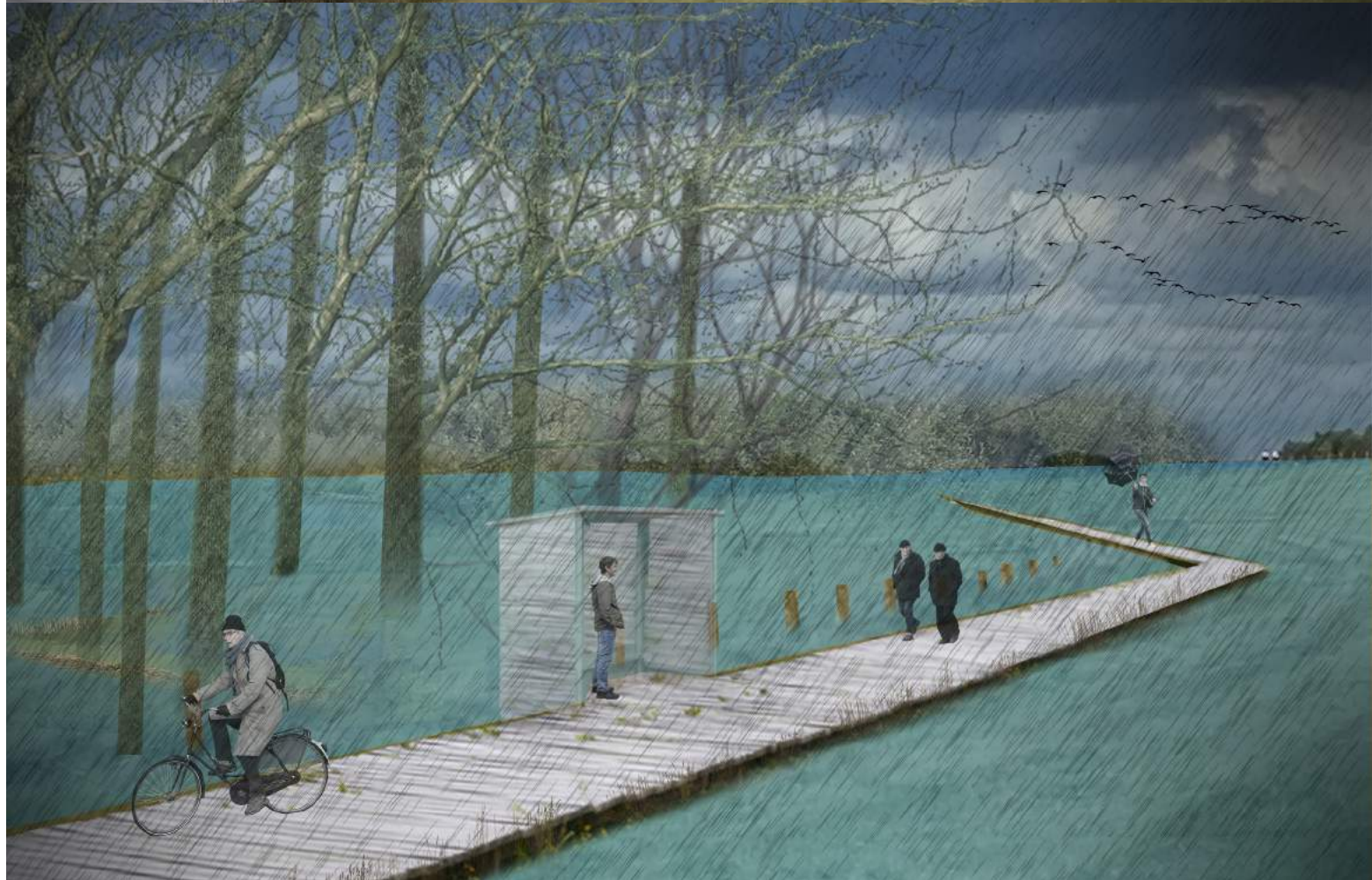




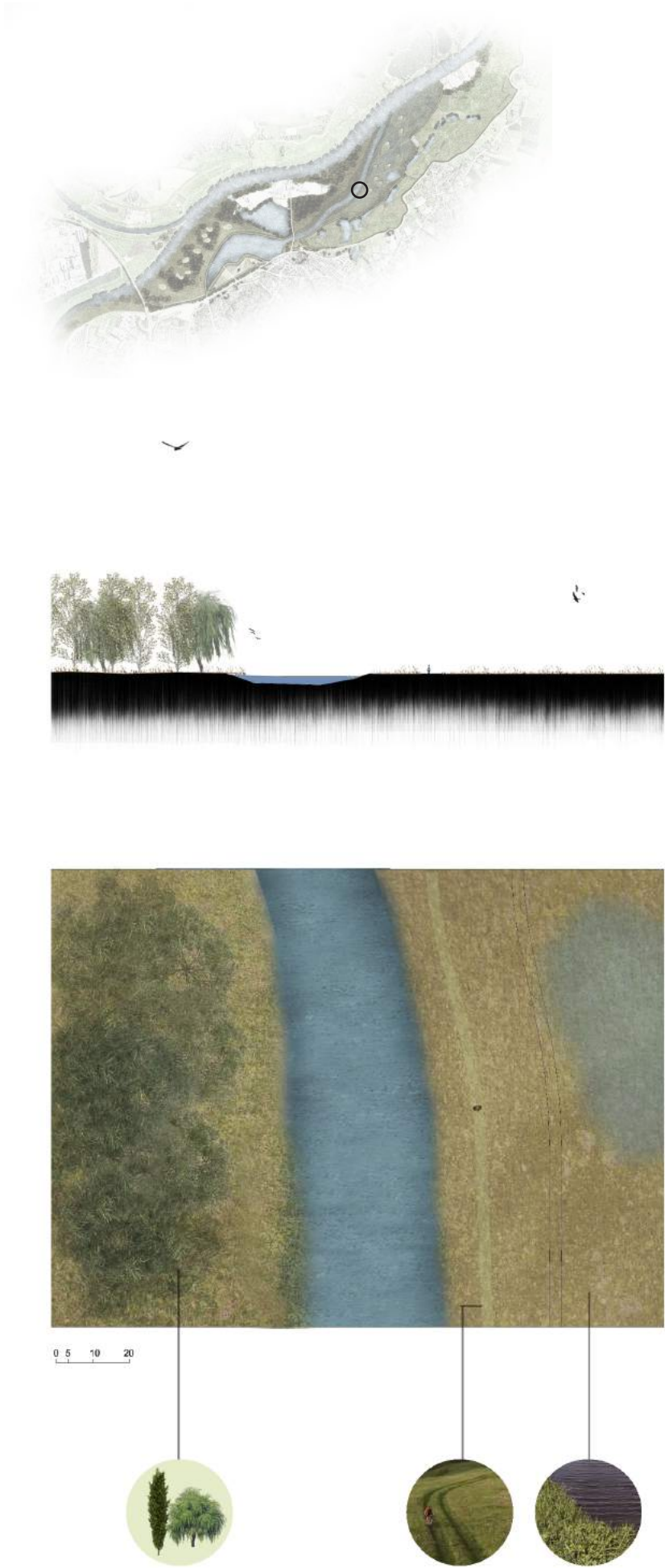
Elevated path to the forest



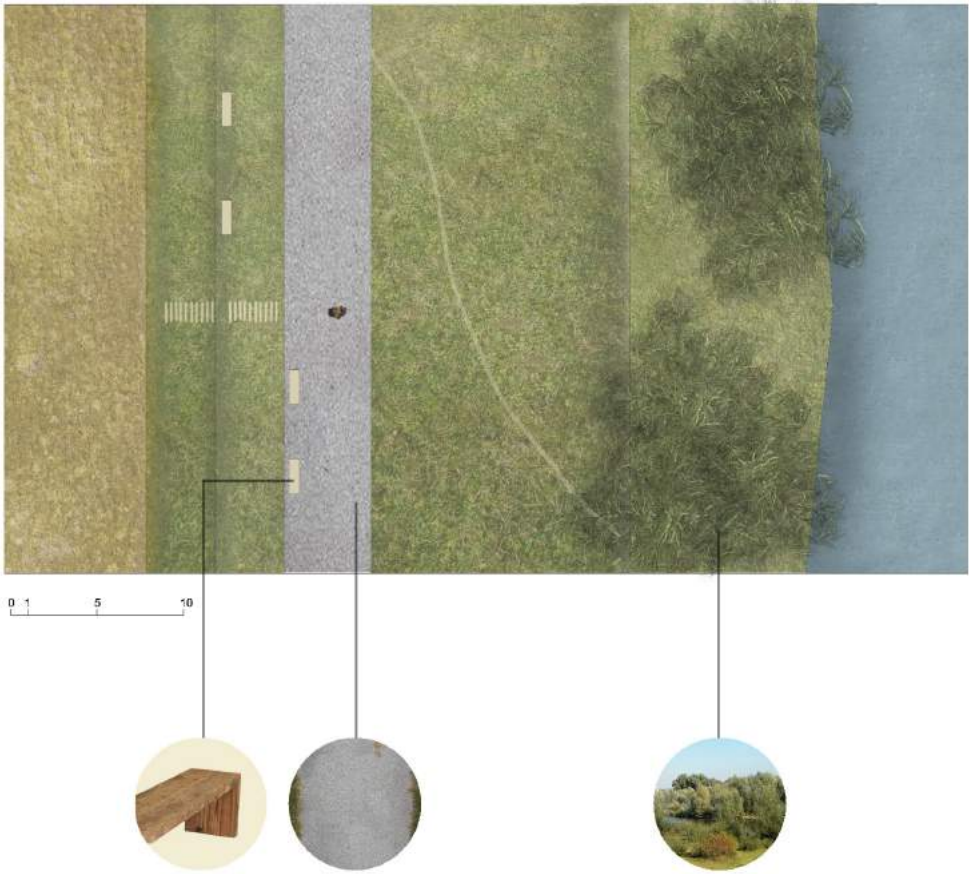
0 1 5 10



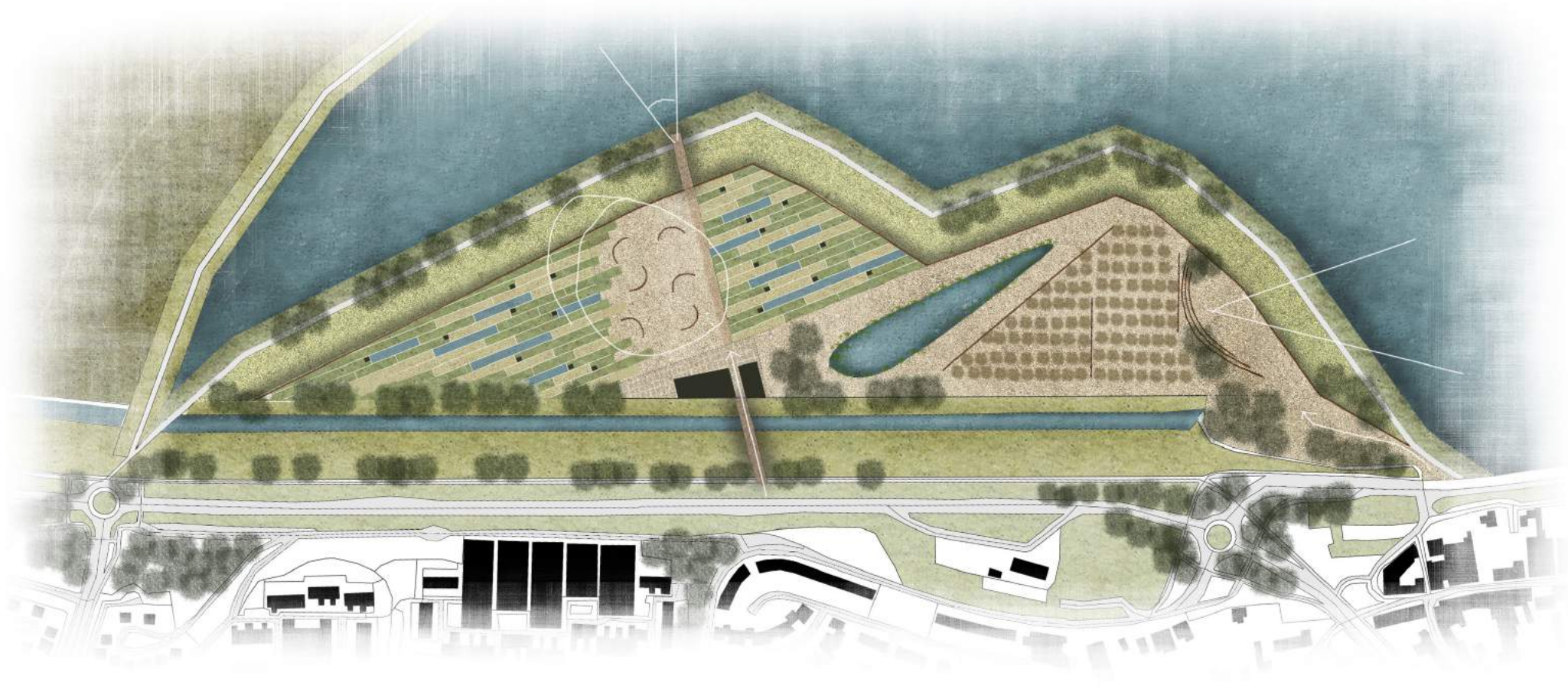
Walking along the new river channel



The dike between two natures



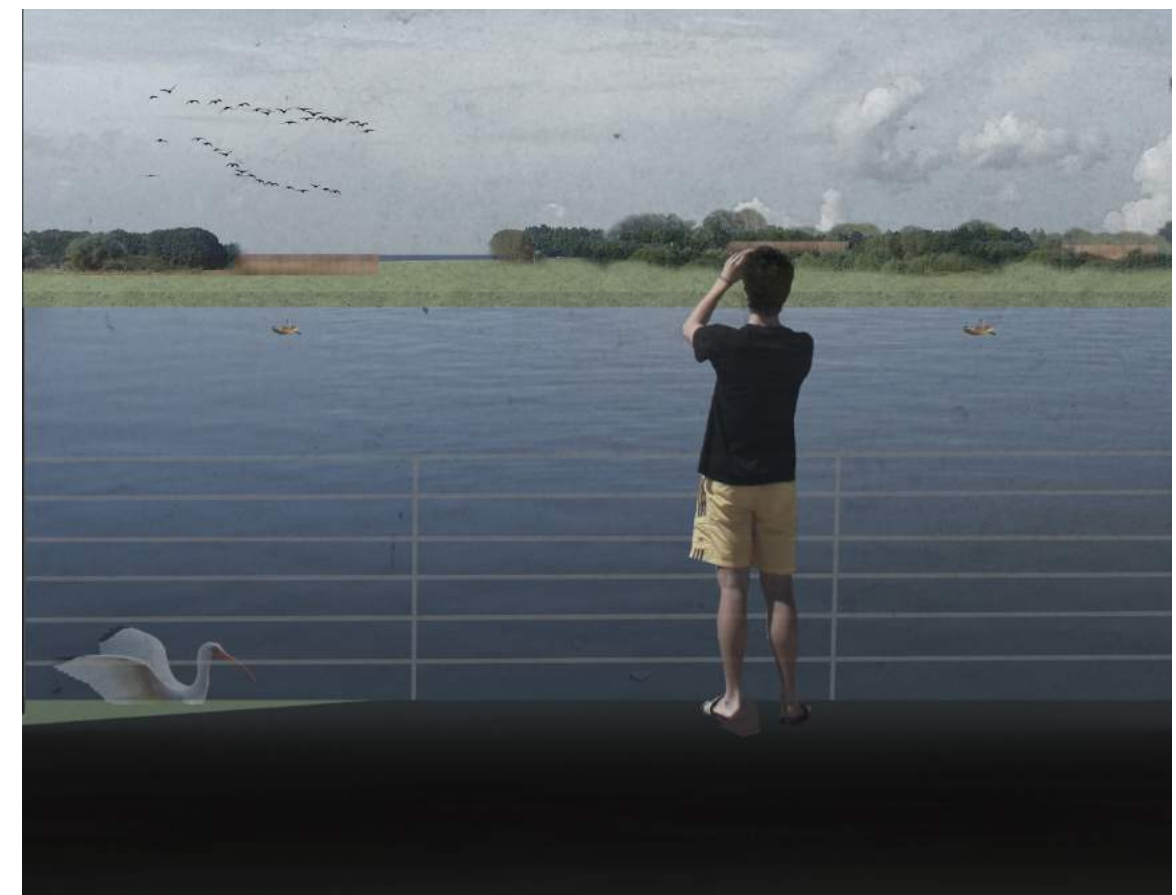
The gardens



1. vegetable gardens and sheds built with local materials



2. 'framed' entrance through bridge

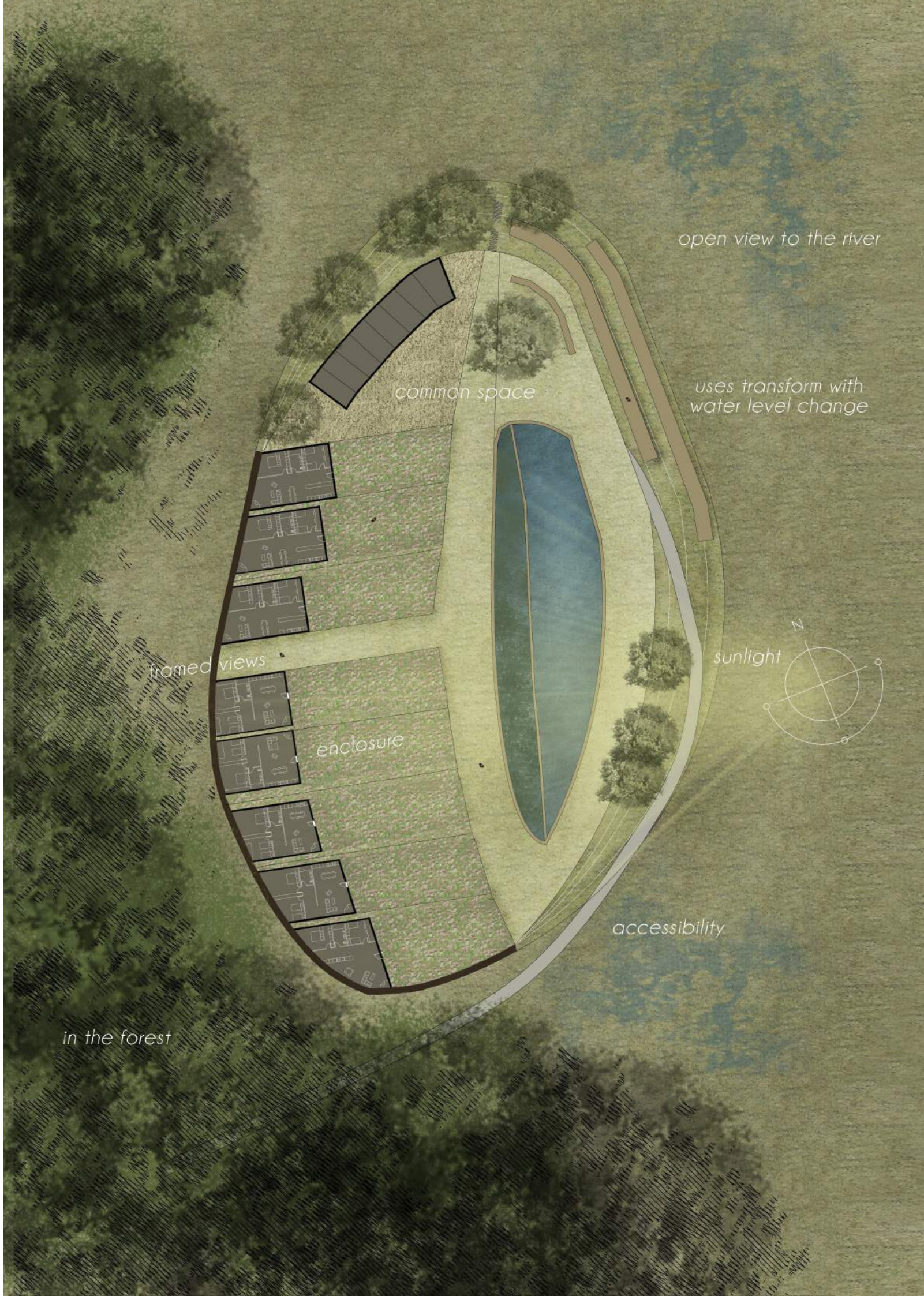
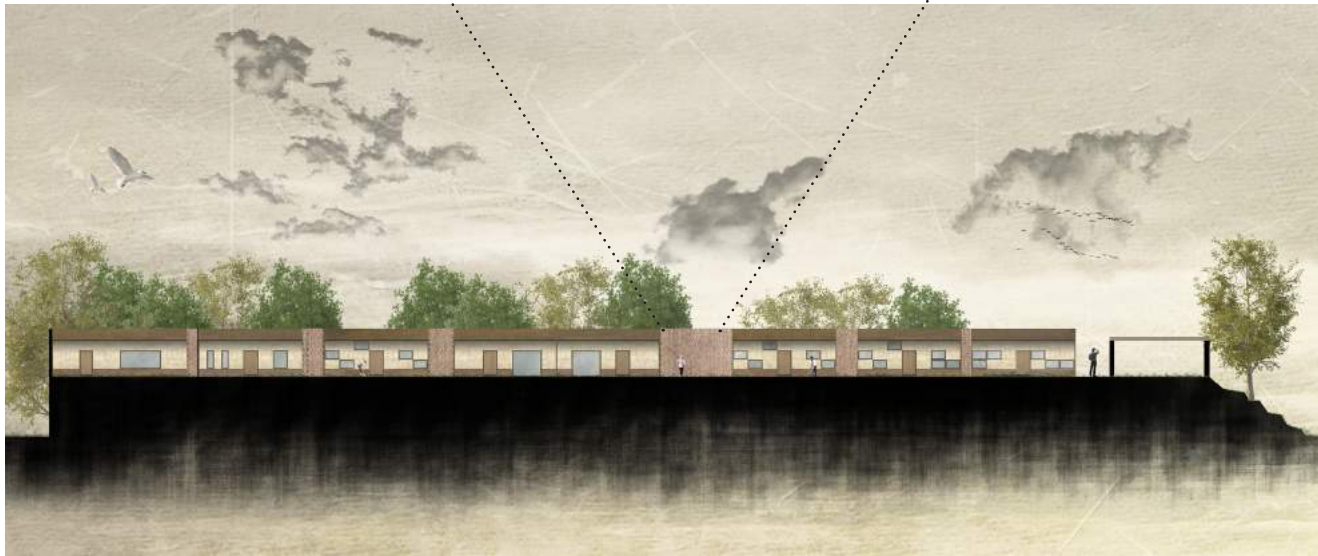


2. 'framed' view to the landscape

The bridge expressing the integration of the landscape



The living mounds



Section of the mound - sustainable processes



Flooded situation



Effect on regional scale

