

FROM ISOLATION TO INTEGRATION

Transforming three estates into an urban landscape



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Supervisor team: Eric Luiten, Lidy Meijers

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CONTENT

BACKGROUND

1. Fascination
2. Historical research
3. Research question
4. Theoretical approach
5. Practical approach

REGIONAL CONTEXT AND VISION

1. Summarizing the context
 - Problems, Challenges and Potentials
2. Vision
 - Green structure
 - Highway as green corridor

CLUSTER'S AND ESTATE'S CONTEXT AND INTERVENTION

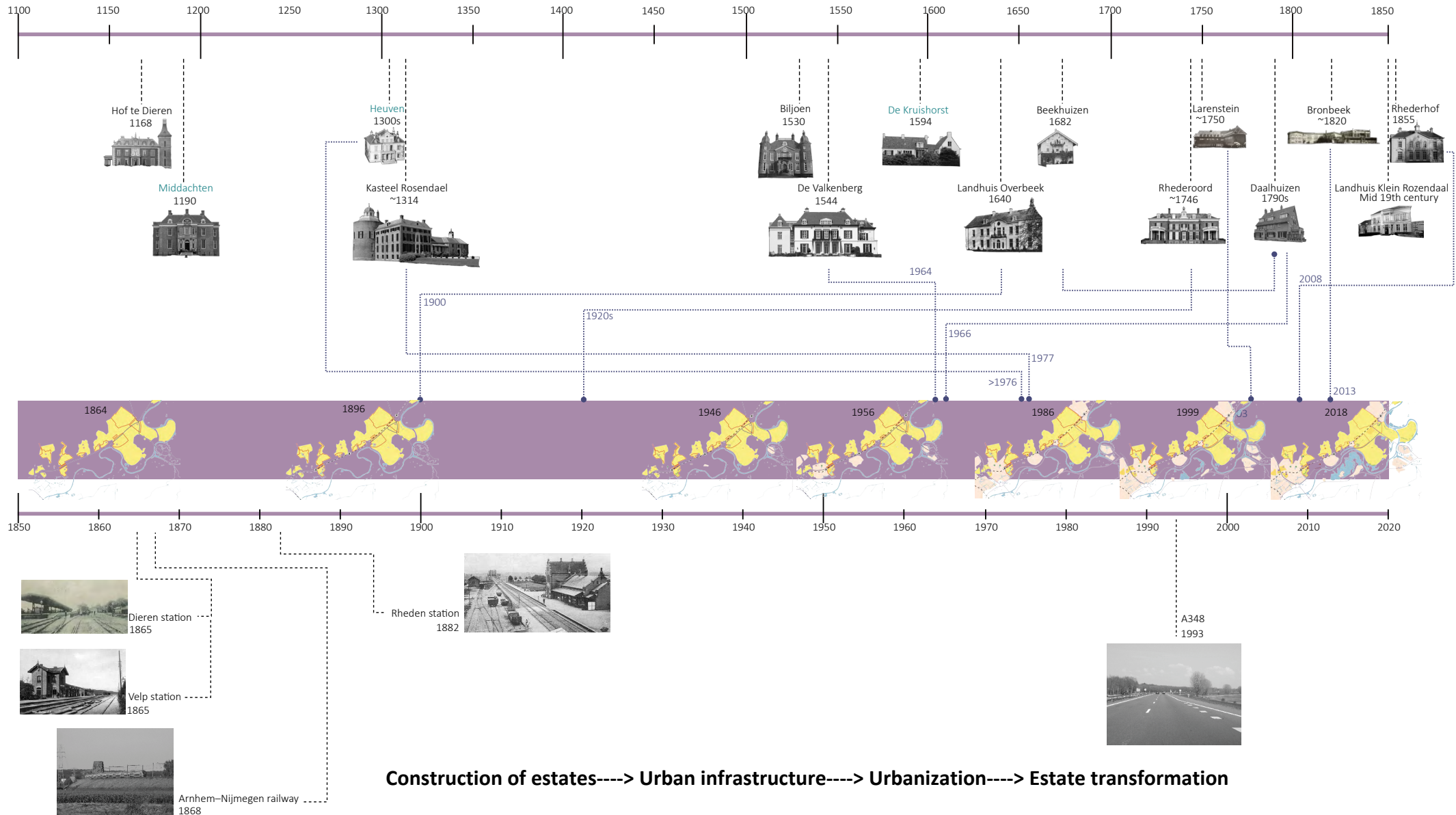
1. Understanding
 - Current cluster
 - Problems, Challenges and Potentials
2. Concept
 - Proposition
 - Strategies
3. Overall view of the cluster
 - Generation
 - Masterplan
 - Sections
4. Estate Transformation
 - Bronbeek
 - Daalhuizen
 - Larenstein
 - Middle terrain garden
5. Summary of the site

Background

BACKGROUND

1. Fascination

Urbanization process with the estates transformed



Construction of estates----> Urban infrastructure----> Urbanization----> Estate transformation

Background

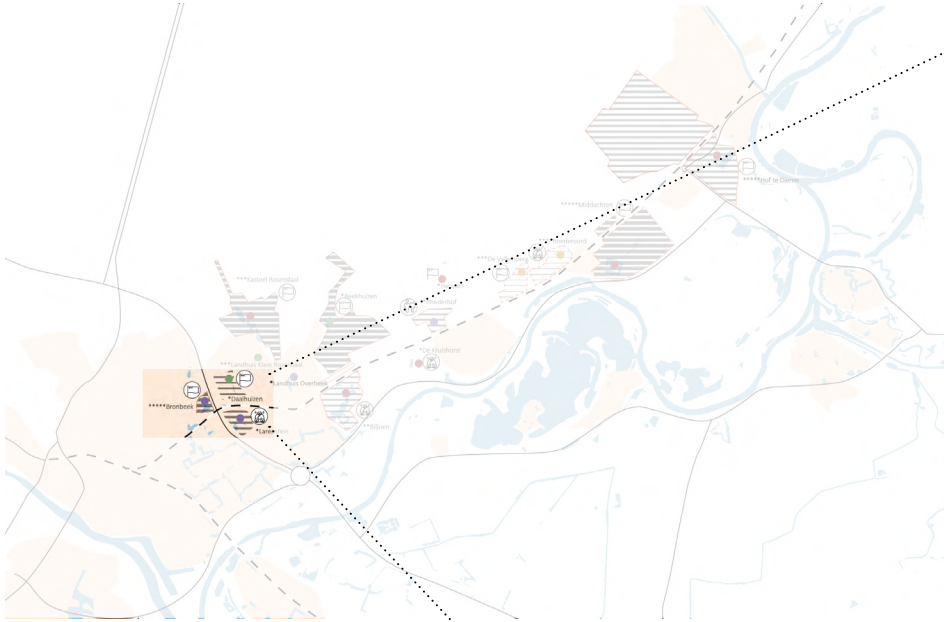
FROM ISOLATION TO INTEGRATION_Transforming three estates into an urban landscape

Regional context and vision

Cluster's and estate's context and intervention

BACKGROUND

Choosing the estates in the city as my site



- Different level of openness
- Different level of the functionality
- Interested in the urban context



Background

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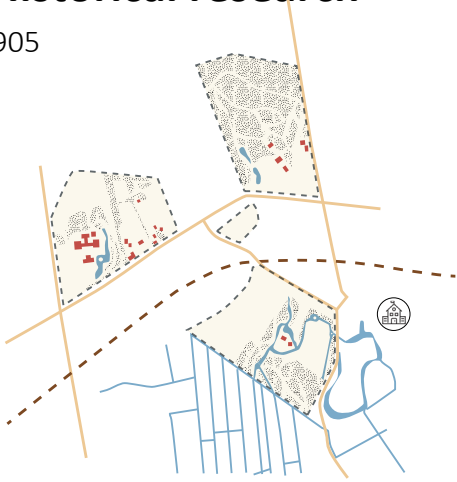
Regional context and vision

Cluster's and estate's context and intervention

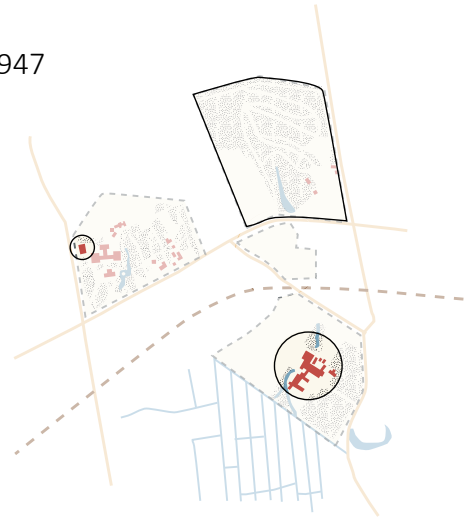
BACKGROUND

2. Historical research

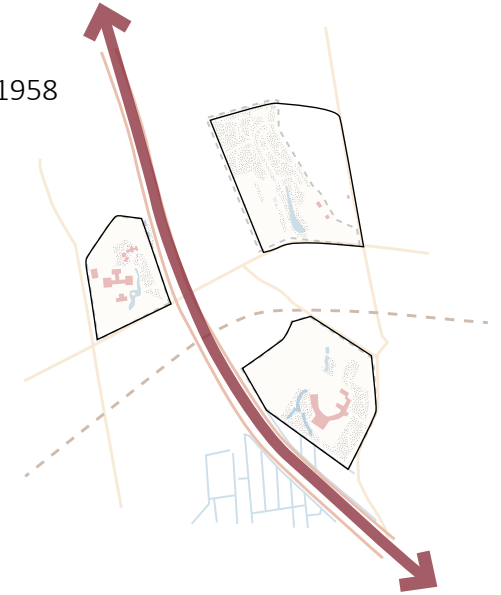
1905



1947

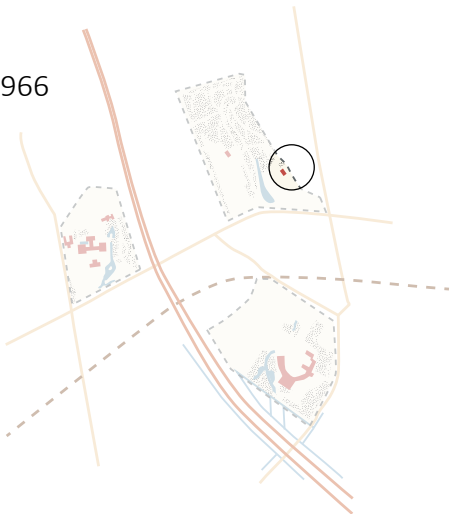


1958

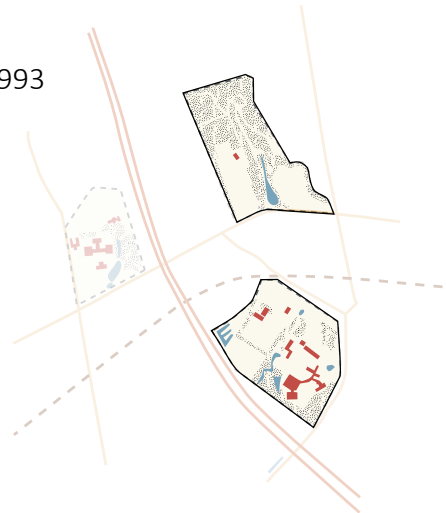


Respect/restore the heritage history

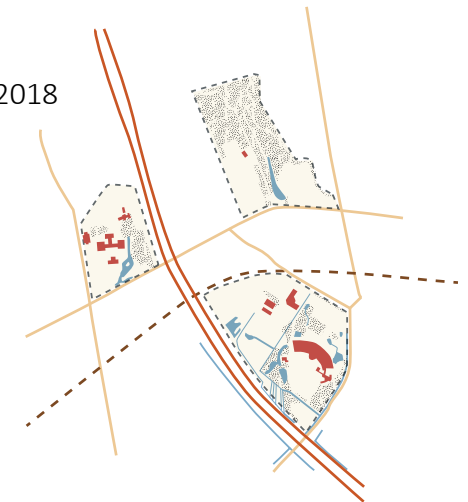
1966



1993



2018



Background

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Regional context and vision

Cluster's and estate's context and intervention

BACKGROUND

3. Research questions

Specific questions

The estates

1. What are their current **features**?

The city and the estates

1. What kind of **relationships** between the urban context and the estates?

2. What **the influence of the urban infrastructures** on the estates?

The city

1. **What landscape and urban conditions** of this area?

2. What **challenges and problems** of this area?

General questions

1. **Why** landscape heritages are important?

2. **What challenges** are estates in the urban settlement faced?

3. **What approaches** can be applied to them?

4. **What the significance of my research to the landscape heritage field?**

BACKGROUND

4. Theoretical approach

Value of heritage

COMMEMORATIVE VALUE

Age value

Historical value

Intentional commemorative value

PRESENT DAY VALUE

Use value

Art value

-newness value

-relative aesthetical value

The significance of herirage

BACKGROUND

4. Theoretical approach

History of approach to urban heritage conservation and development

1. Early:

Protection and collection

Protected *in an isolated manner and divorced from their wider urban context*

2. After World War Two:

Revitalization

Protect the urban heritage and *the connection between heritage, development and sustainability*

3. Into the 21st century:

Development and continuity

Consider urban heritage *in its boarder urban and historical contexts*

England:

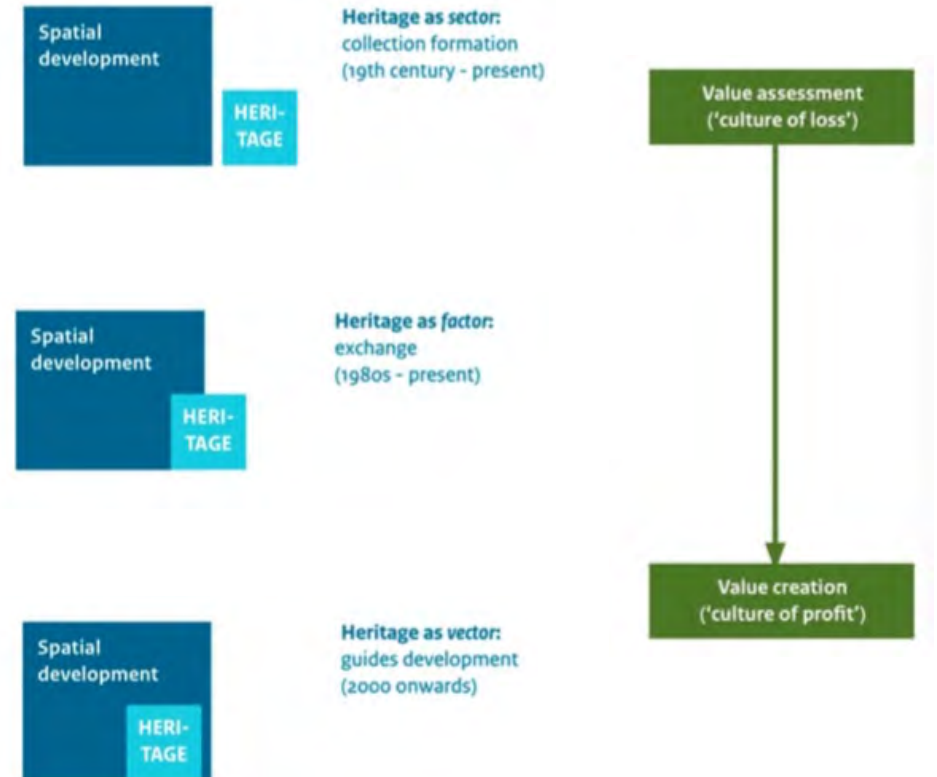
Widening the perspective from specific areas to *wider landscapes*

France:

Connecting heritage more closely to *tourism policy and regional development*

German:

Becoming more dynamic, giving room to engage with heritage *for the local public and other (private) stakeholders*



Approaches on the heritage

Ref: Heritage as sector, factor and vector: conceptualizing the shifting relationship between heritage management and spatial planning

Ref: Approaches to urban heritage, development and sustainability

Background

Regional context and vision

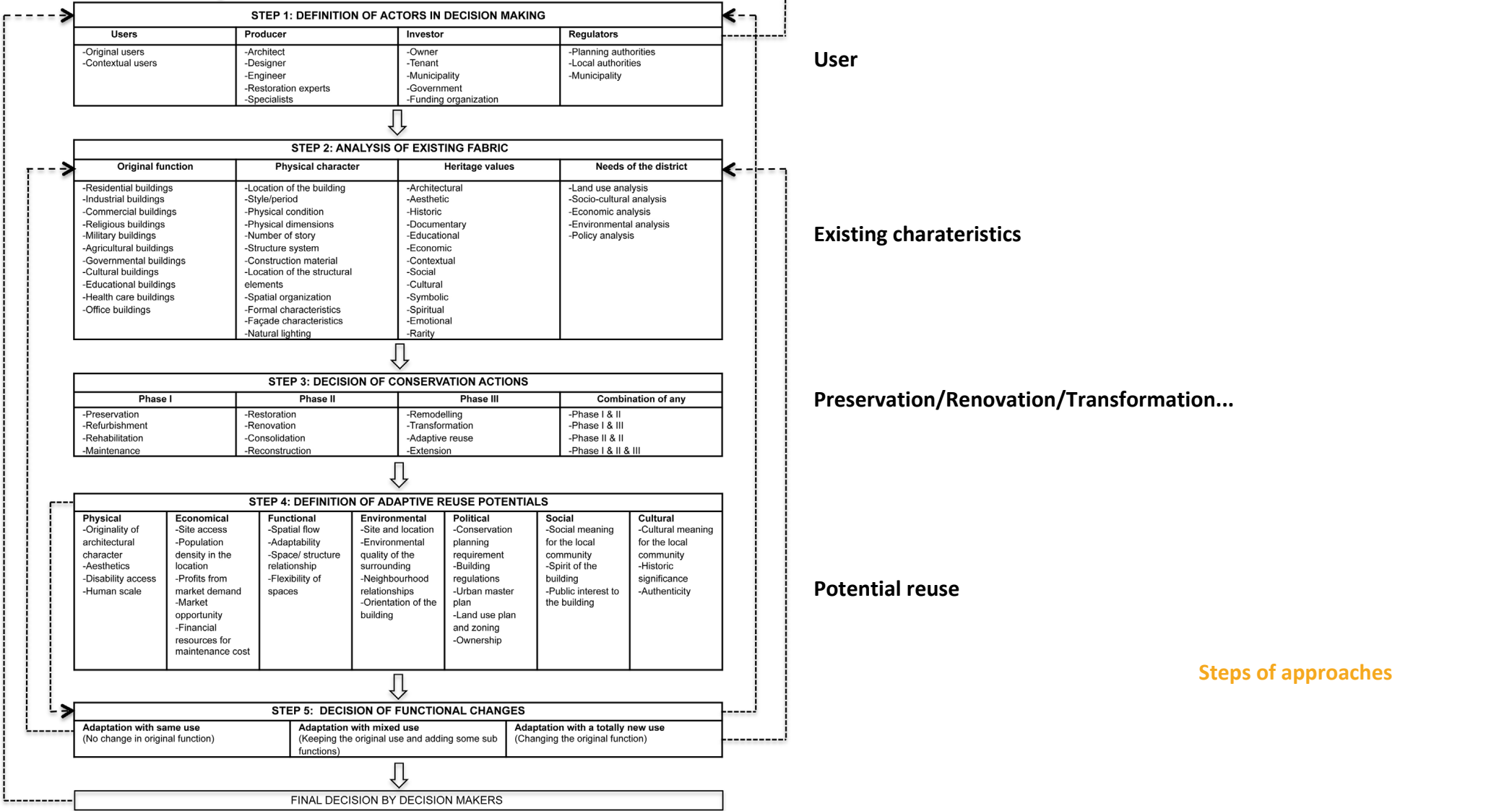
Cluster's and estate's context and intervention

FROM ISOLATION TO INTEGRATION_ Transforming three estates into an urban landscape

BACKGROUND

4. Theoretical approach

Steps of approaches



Ref: Adaptive reuse strategies for heritage buildings: A holistic approach

Background
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Regional context and vision

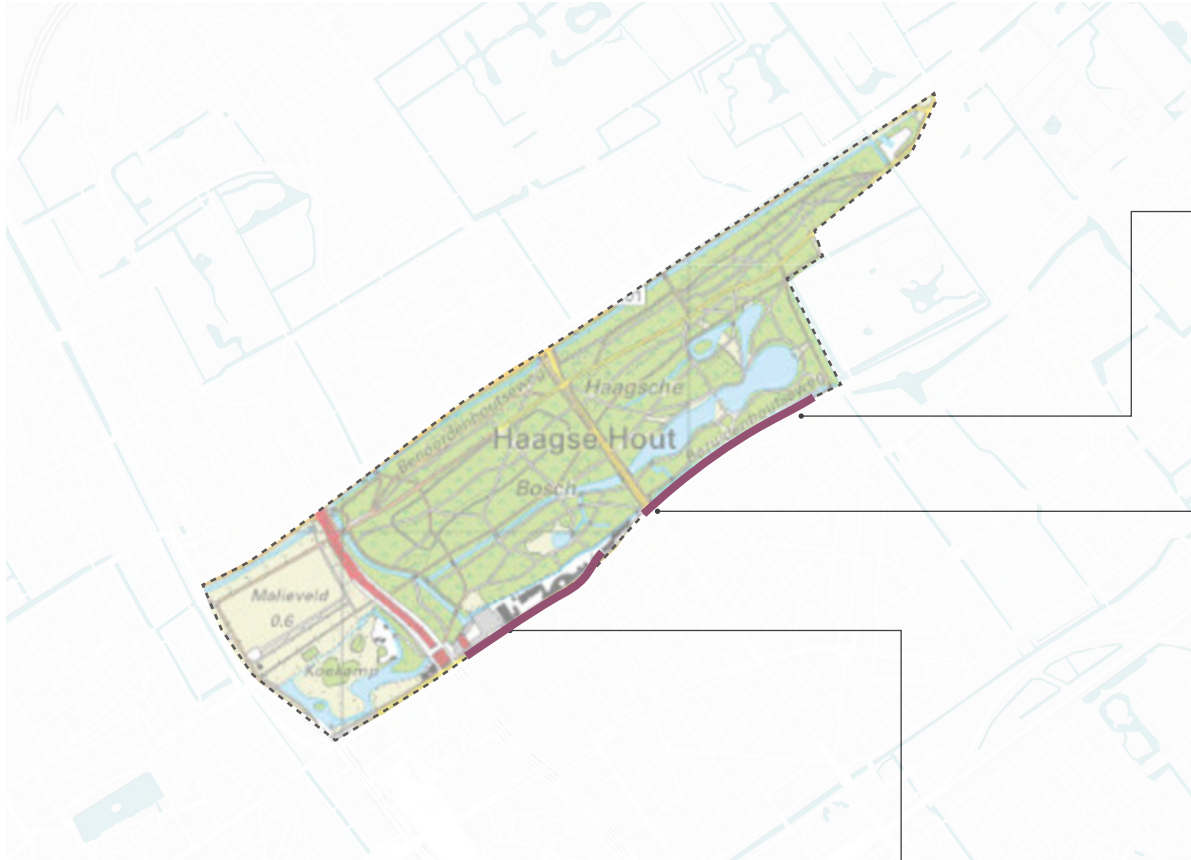
Cluster's and estate's context and intervention

BACKGROUND

5. Practical approach

Case study_Haagse bos

How to deal with the interface between the urban and park



Green as boundary



Transitional space as interface



Background

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Regional context and vision

Cluster's and estate's context and intervention

BACKGROUND

5. Practical approach

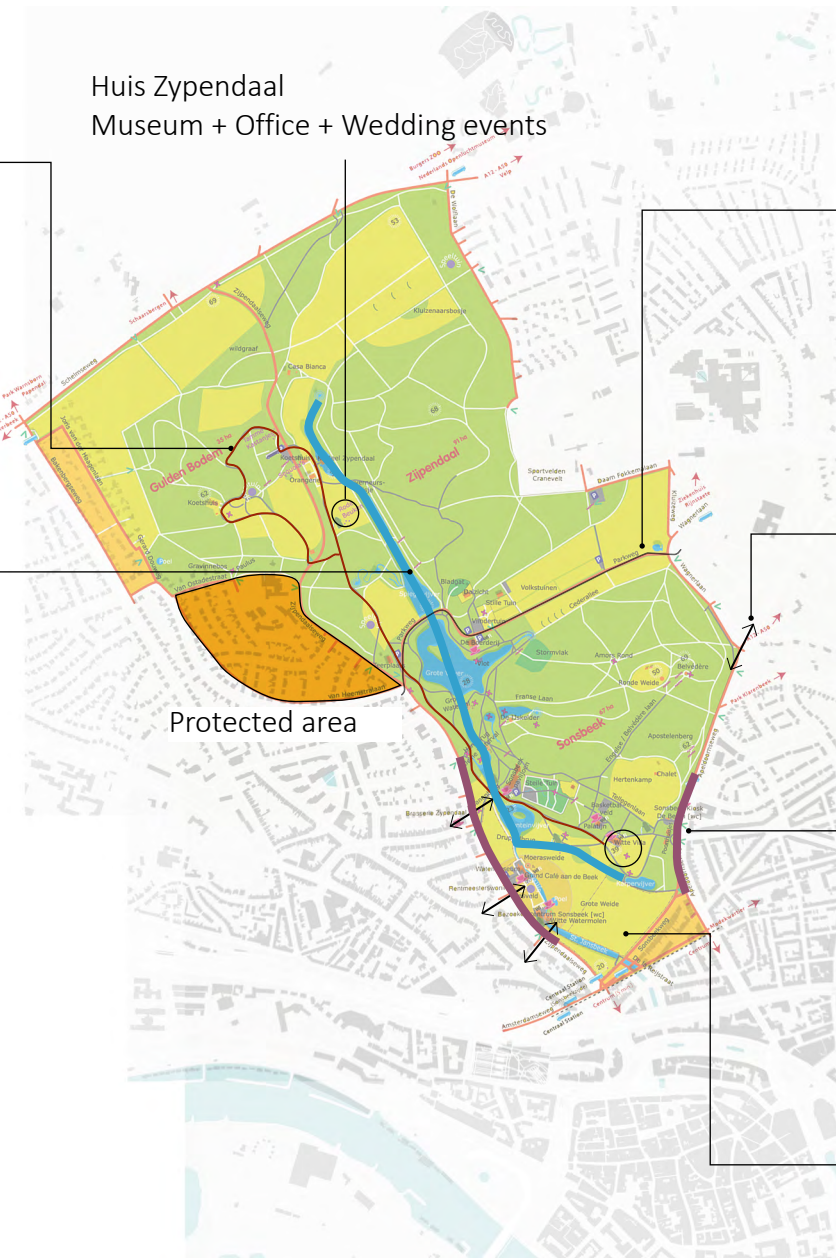
Case study_Sonsbeek

How to connect three estates

Meandering path



Water course



How to decrease the influence of urban grey infrastructures

Winding path with relief



How to build up the link with urban context

Entrances responding to the urban fabric



Programs and facilities as transitional interface from the urban context to the estates



Lawn as welcoming space with urban context



Background

FROM ISOLATION TO INTEGRATION_Transforming three estates into an urban landscape

Regional context and vision

Cluster's and estate's context and intervention

REGIONAL CONTEXT AND VISION

REGIONAL CONTEXT AND VISION

1. Summarizing the context

STRENGTH

- Close to the Castle route
- Convenient public transportation

PROBLEMS

- Negative effects from highway
- Fragmented space

POTENTIALS

- Between two eco-systems
- Different water managements
- Lack of social and cultural facility

CHALLENGES

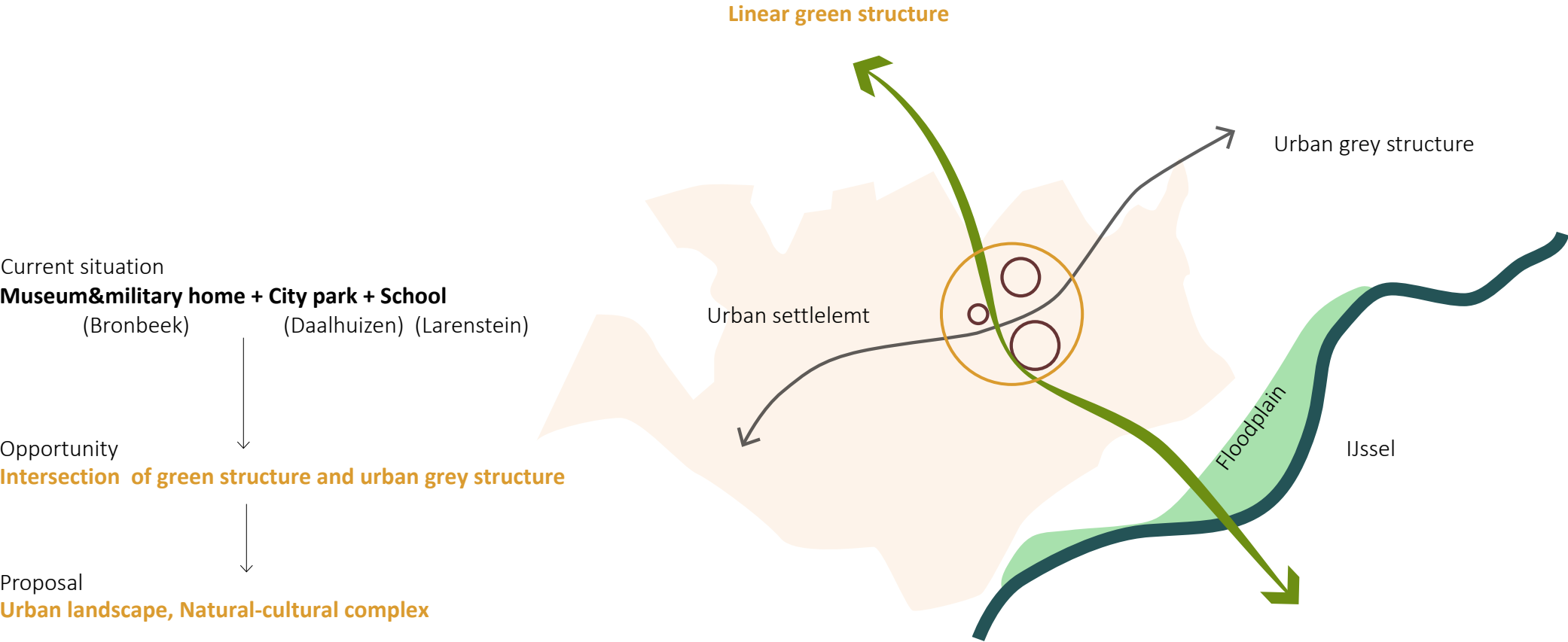
- Competition with other high-quality open spaces
- Different ownerships



REGIONAL CONTEXT AND VISION

2. Vision

Green structure



REGIONAL CONTEXT AND VISION

2. Vision

Highway as a green space backbone



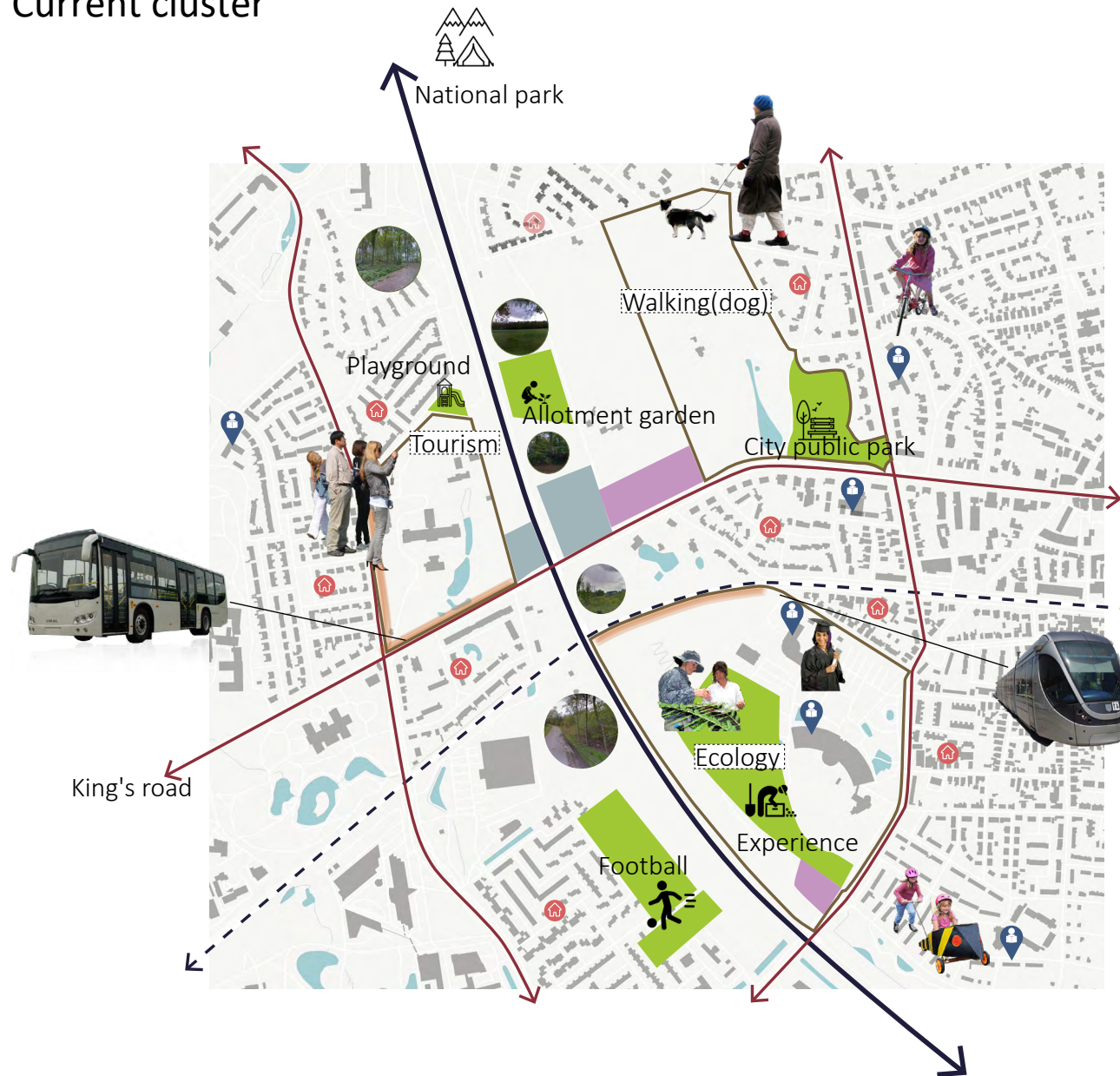
"Green space structures can act as organisational structures for sprawling metropolitan areas, providing space for **nature development, leisure/recreation and cultural heritage.**"

Cluster's and estates' context and intervention

CLUSTER AND ESTATE CONTEXT AND INTERVENTION

1. Understanding the site

Current cluster



1.A complex place with a lot of public transportation

- Railway
- Motorway
- Primary road
- Dynamic flow

2.Green space along the highway

- Green space along the highway
- Utilized green space

3. Fragedmented space

- Company site
- Retail/Commercial site

4. Primary school near Larenstein

5. Existing users and feature

Background

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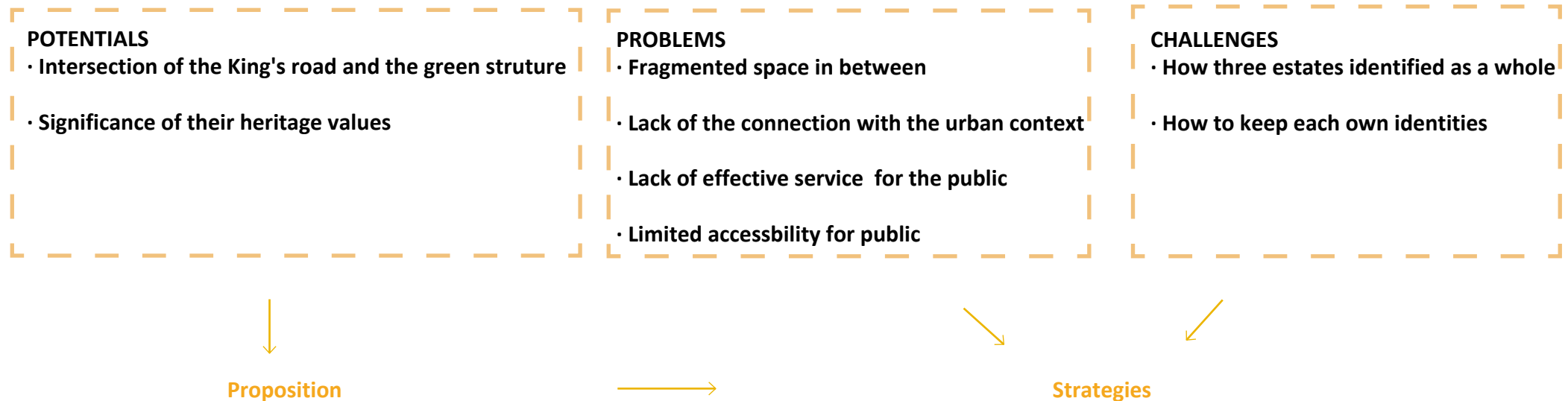
Regional context and vision

Cluster's and estate's context and intervention

CLUSTER AND ESTATE CONTEXT AND INTERVENTION

1. Understanding the site

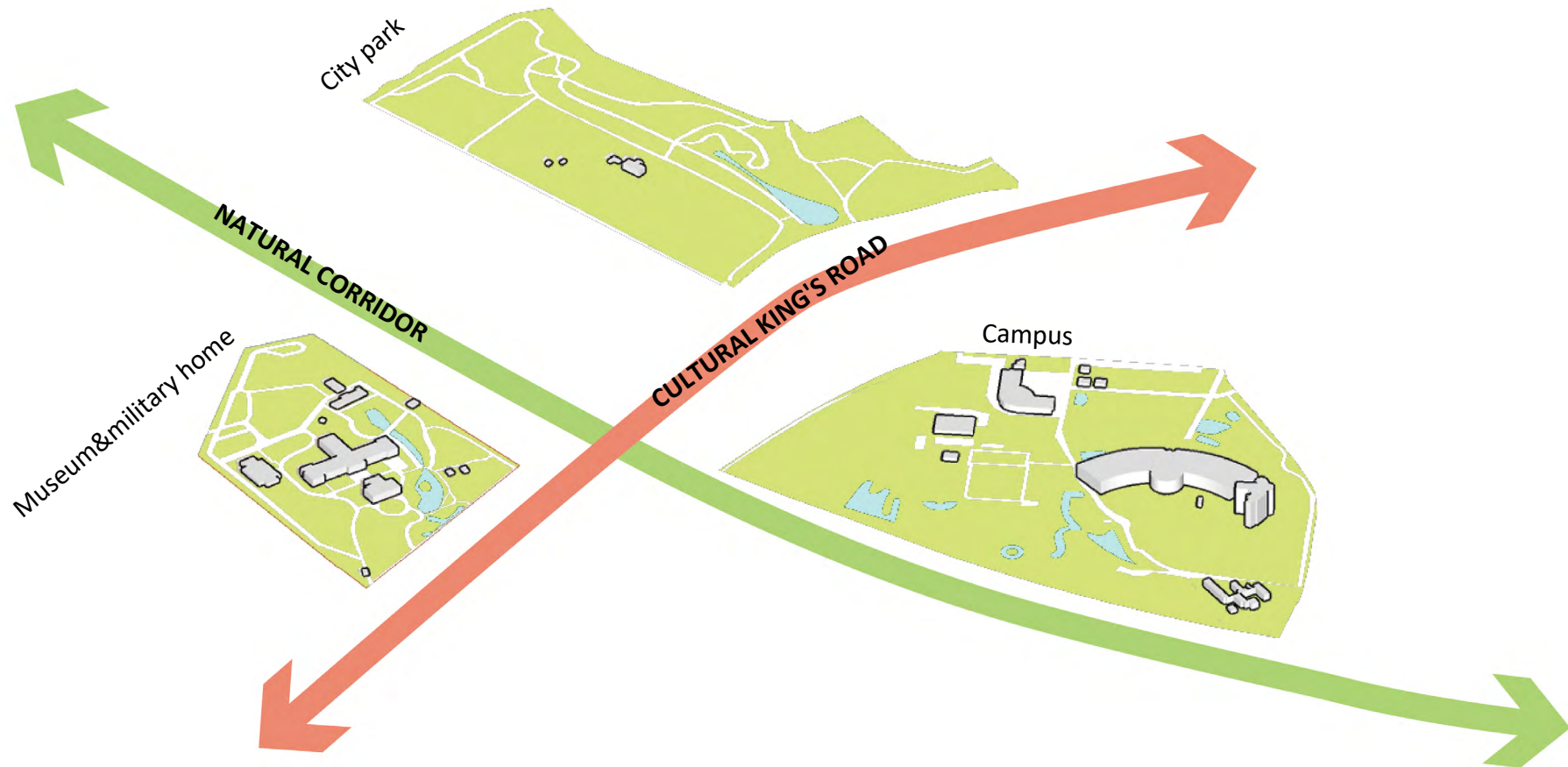
Problems, challenges and potentials



CLUSTER AND ESTATE CONTEXT AND INTERVENTION

2. Concept

Proposition: Urban landscape, Cultural and natural complex

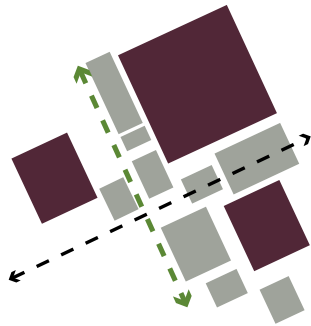


CLUSTER AND ESTATE CONTEXT AND INTERVENTION

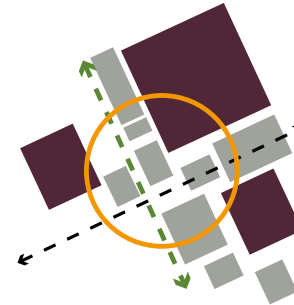
2. Concept

How to redevelop as urban landscape

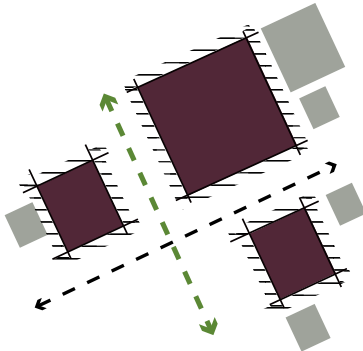
Fragmented space



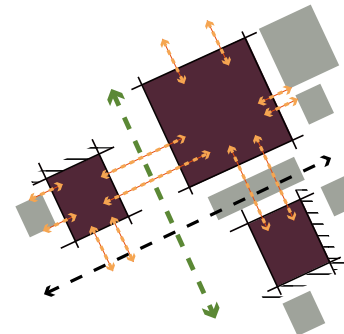
Connect the space by landscape elements



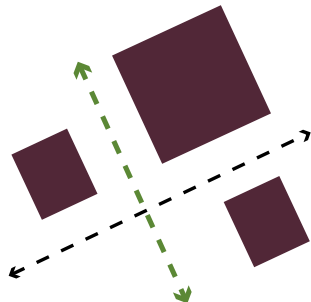
Lack of the connection with the urban context



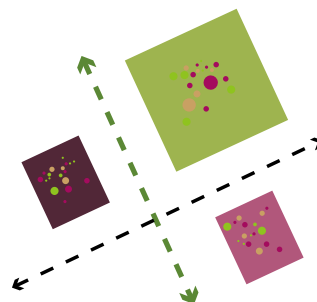
Build up the links with urban context



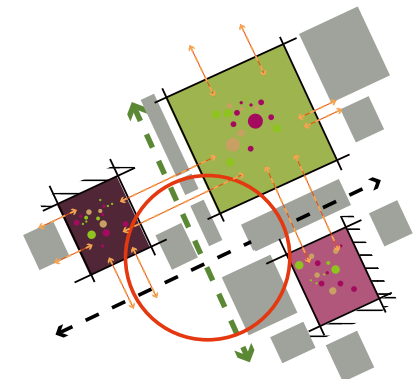
Not enough service for the public



Add new facilities/
Renew the functions



Urban landscape, natural and cultural complex



CLUSTER AND ESTATE CONTEXT AND INTERVENTION

2. Concept

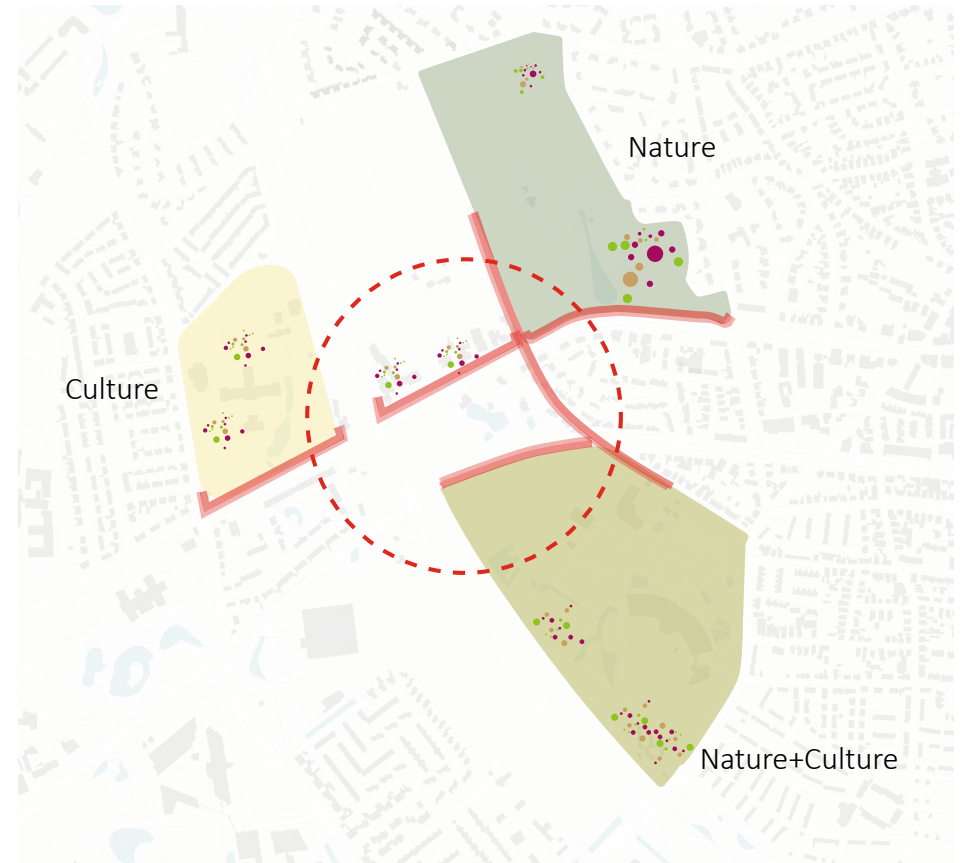
Strategies 1_How to repair the fragmented space?

Green and blue structure



- Ponds
- Water system
- Green space
- Highway corridor
- Buffer zone

Atmosphere



- Transitional space
- Representative programs

CLUSTER AND ESTATE CONTEXT AND INTERVENTION

2. Concept

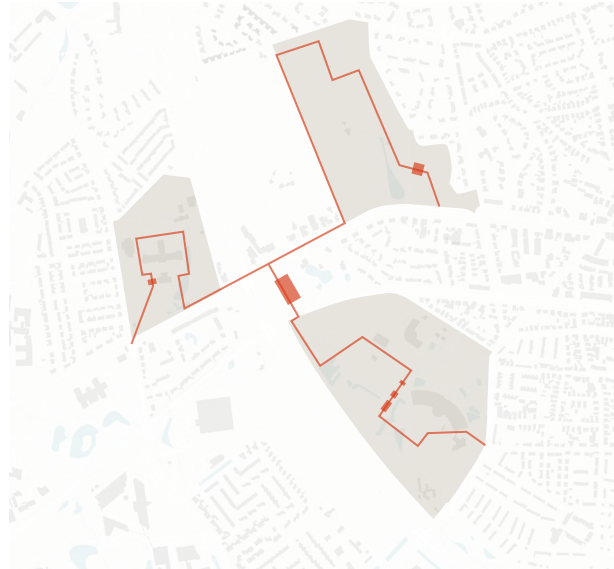
Strategies 2_How to contact with urban context?

Axis and entrance



- Entrance/Axis
- Visual connection

Pattern continuity



Transitional facade

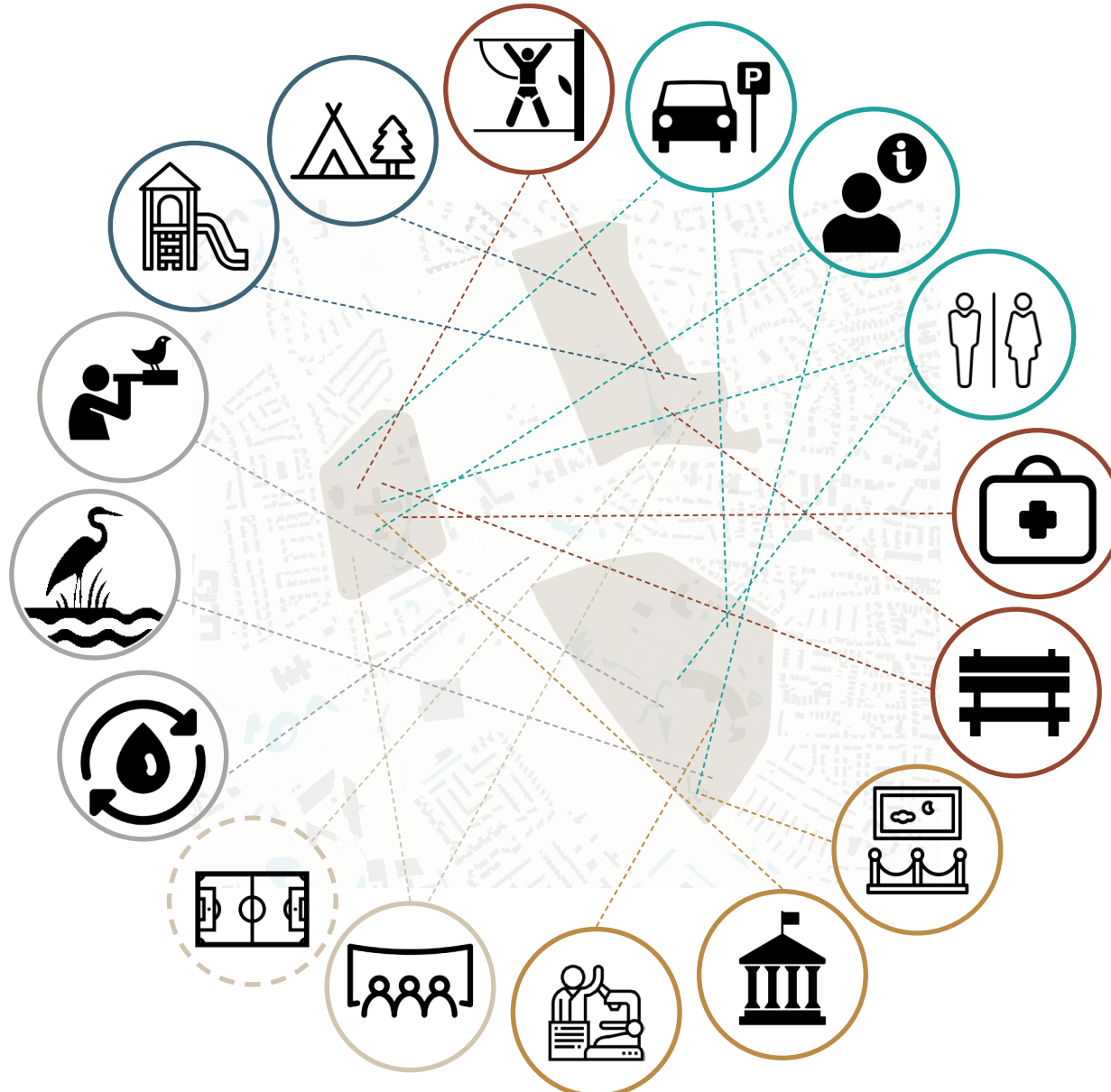


- Neighbourhood
- Transitional facade
- ↔ Urban grey infrastructure

CLUSTER AND ESTATE CONTEXT AND INTERVENTION

2. Concept

Strategies 3_How to provide service for the public?



Background

FROM ISOLATION TO INTEGRATION_Transforming three estates into an urban landscape

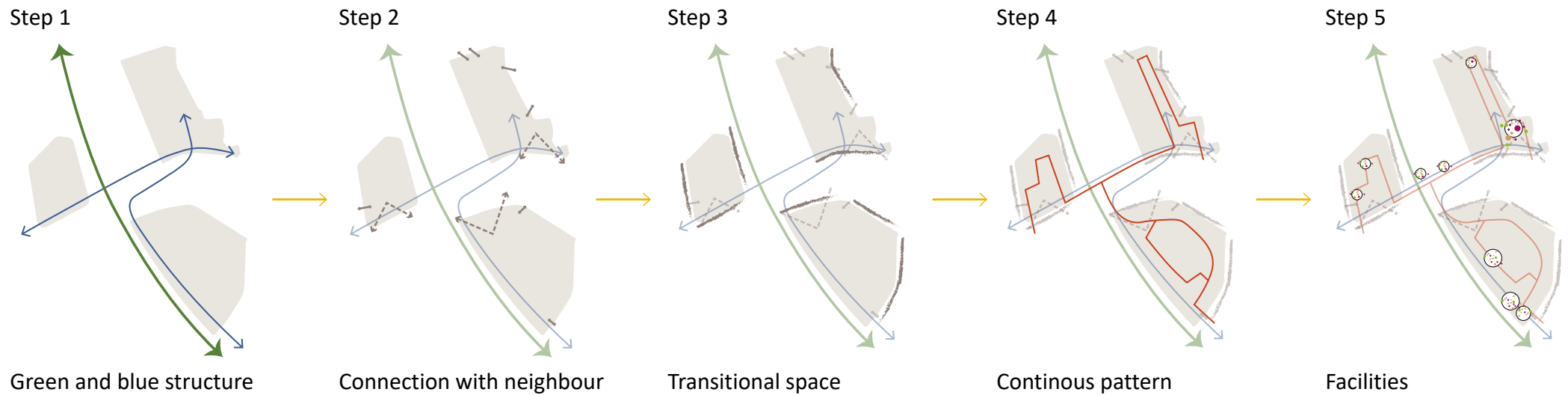
Regional context and vision

Cluster's and estate's context and intervention

CLUSTER AND ESTATE CONTEXT AND INTERVENTION

3. Overall view of the cluster

How it generated from the strategies



CLUSTER AND ESTATE CONTEXT AND INTERVENTION

3. Overall view of the cluster

Masterplan_Current appearance



Background

FROM ISOLATION TO INTEGRATION_Transforming three estates into an urban landscape

Regional context and vision

Cluster's and estate's context and intervention

CLUSTER AND ESTATE CONTEXT AND INTERVENTION

3. Overall view of the cluster

Masterplan_Future appearance



CLUSTER AND ESTATE CONTEXT AND INTERVENTION

3. Overall view of the cluster

Section_From Bronbeek to Daalhuizen



DAALHUIZEN

HIGHWAY

BRONBEEK



CLUSTER AND ESTATE CONTEXT AND INTERVENTION

3. Overall view of the cluster

Section_From Terraced garden to Larenstein



LARENSTEIN

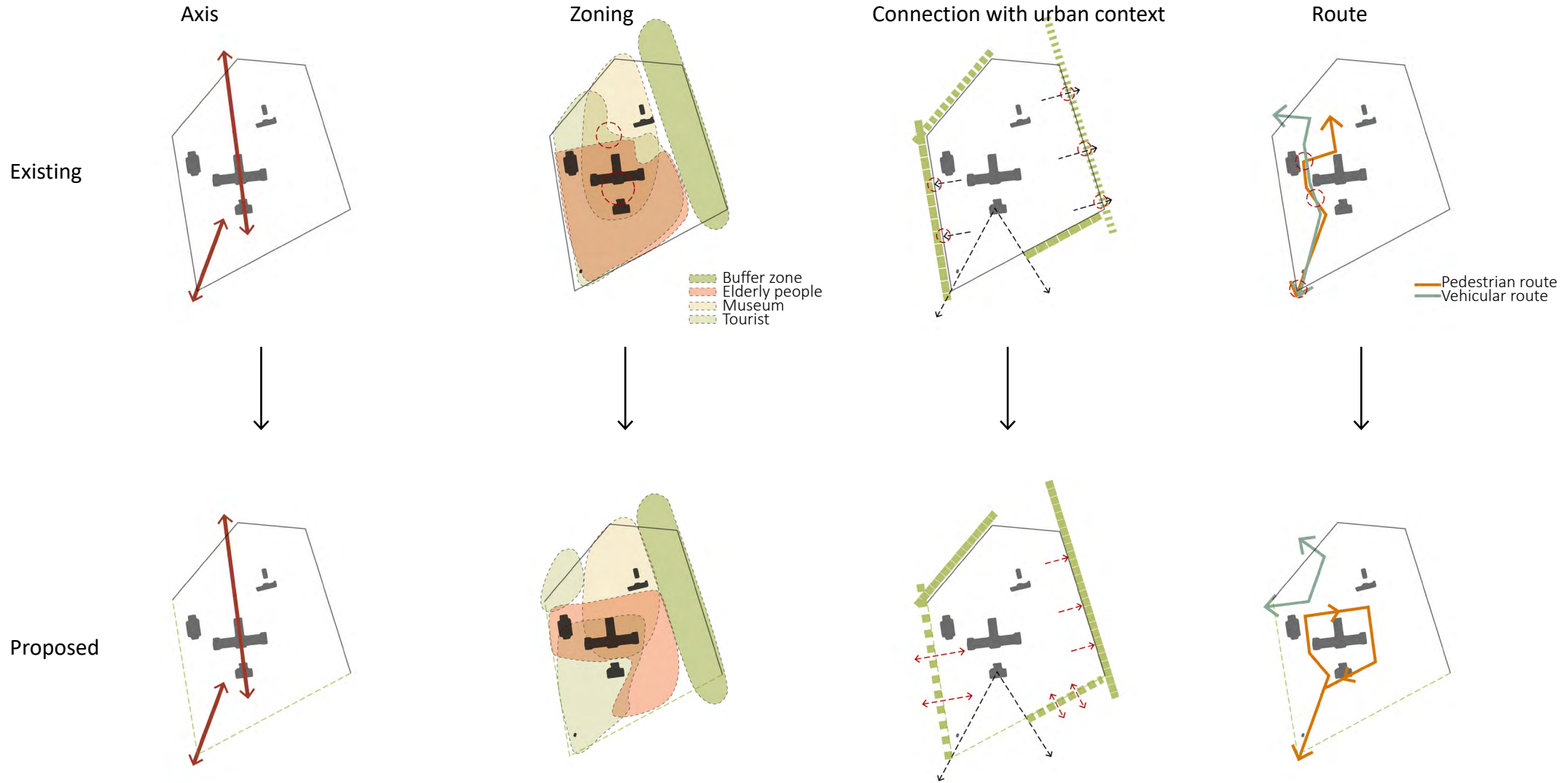
TERRACED GARDEN



CLUSTER AND ESTATE CONTEXT AND INTERVENTION

4. Estate transformation

Bronbeek_Structure



CLUSTER AND ESTATE CONTEXT AND INTERVENTION

4. Estate transformation

Bronbeek_Plan

Existing



Proposed



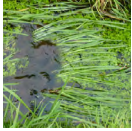
CLUSTER AND ESTATE CONTEXT AND INTERVENTION

4. Estate transformation

Bronbeek_Rain garden



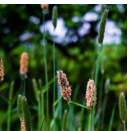
Wet condition (Frequently flooded)



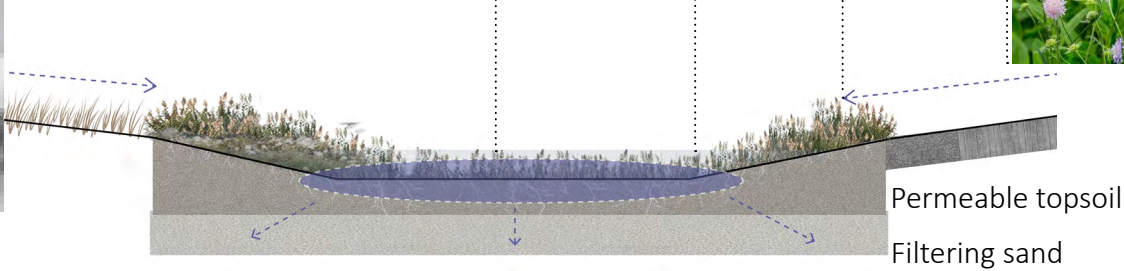
Constantly moist (Occasionally flooded)



Well-drained (Rarely flooded)



Dry condition (Dry)



CLUSTER AND ESTATE CONTEXT AND INTERVENTION

4. Estate transformation

Bronbeek_Rain garden

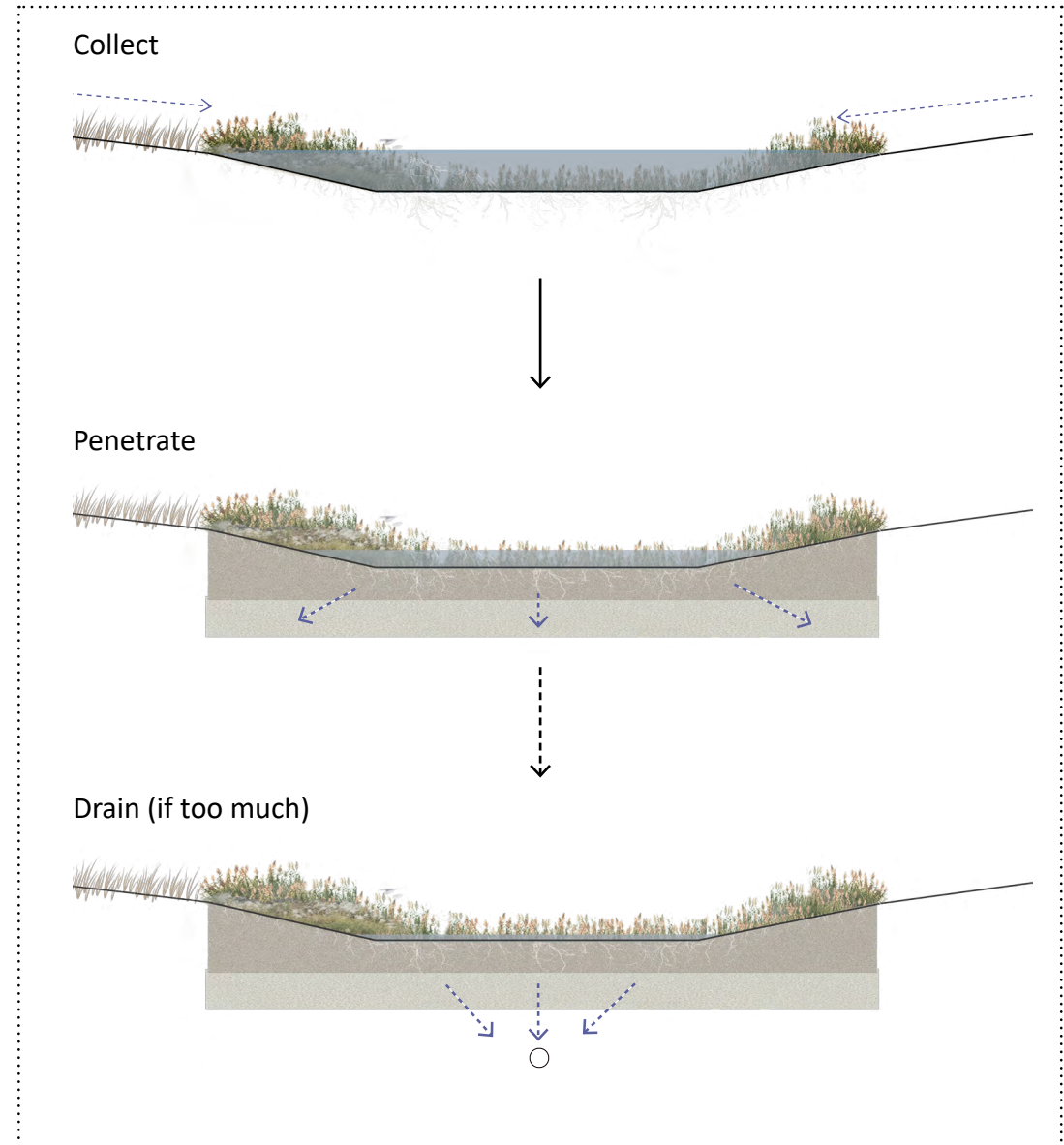
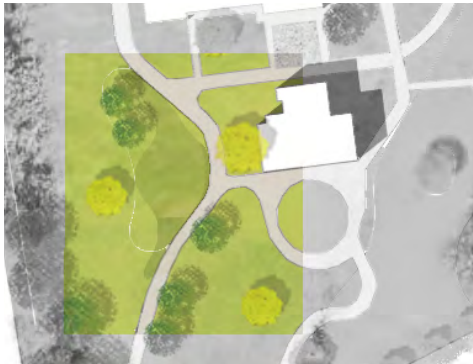
Rainy



How it works?



Dry



Background

FROM ISOLATION TO INTEGRATION_Transforming three estates into an urban landscape

Regional context and vision

Cluster's and estate's context and intervention

CLUSTER AND ESTATE CONTEXT AND INTERVENTION

4. Estate transformation

Bronbeek_Interface

A with neighbourhood



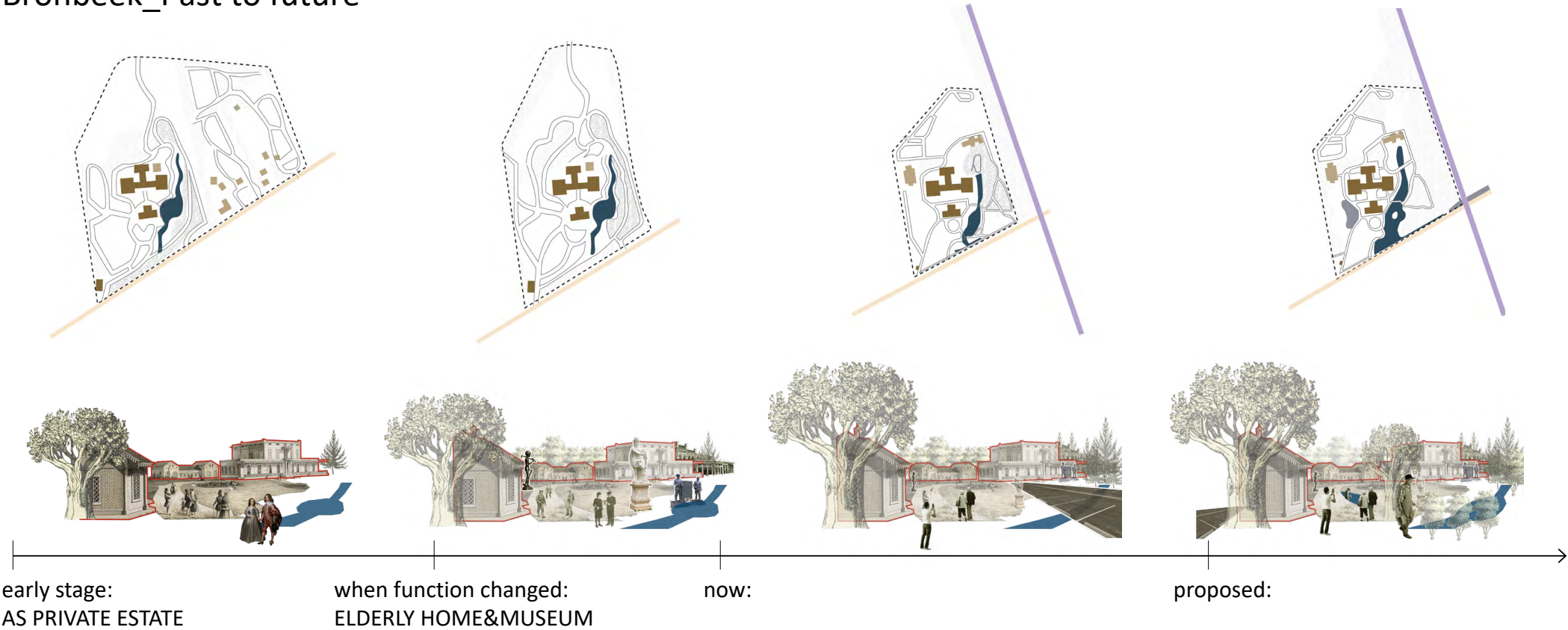
B as buffer zone



CLUSTER AND ESTATE CONTEXT AND INTERVENTION

4. Estate transformation

Bronbeek_Past to future



- Historical elements
- Historical buildings
- Historical water
- Historical trees

USE VALUE

HISTORICAL VALUE

COMMEMORABLE VALUE

Background
FROM ISOLATION TO INTEGRATION_Transforming three estates into an urban landscape

Regional context and vision

Cluster's and estate's context and intervention

CLUSTER AND ESTATE CONTEXT AND INTERVENTION

4. Estate transformation

Daalhuizen_Structure



CLUSTER AND ESTATE CONTEXT AND INTERVENTION

4. Estate transformation

Daalhuizen_Plan

Existing



Renovation
Factor
Medium intervention
→

Proposed



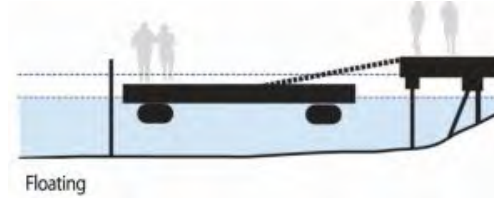
CLUSTER AND ESTATE CONTEXT AND INTERVENTION

4. Estate transformation

Daalhuizen_Platform over the water



Structure



Background

FROM ISOLATION TO INTEGRATION_Transforming three estates into an urban landscape

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Cluster's and estate's context and intervention

CLUSTER AND ESTATE CONTEXT AND INTERVENTION

4. Estate transformation

Daalhuizen_Interface

A with neighbourhood



B Entrance



Background

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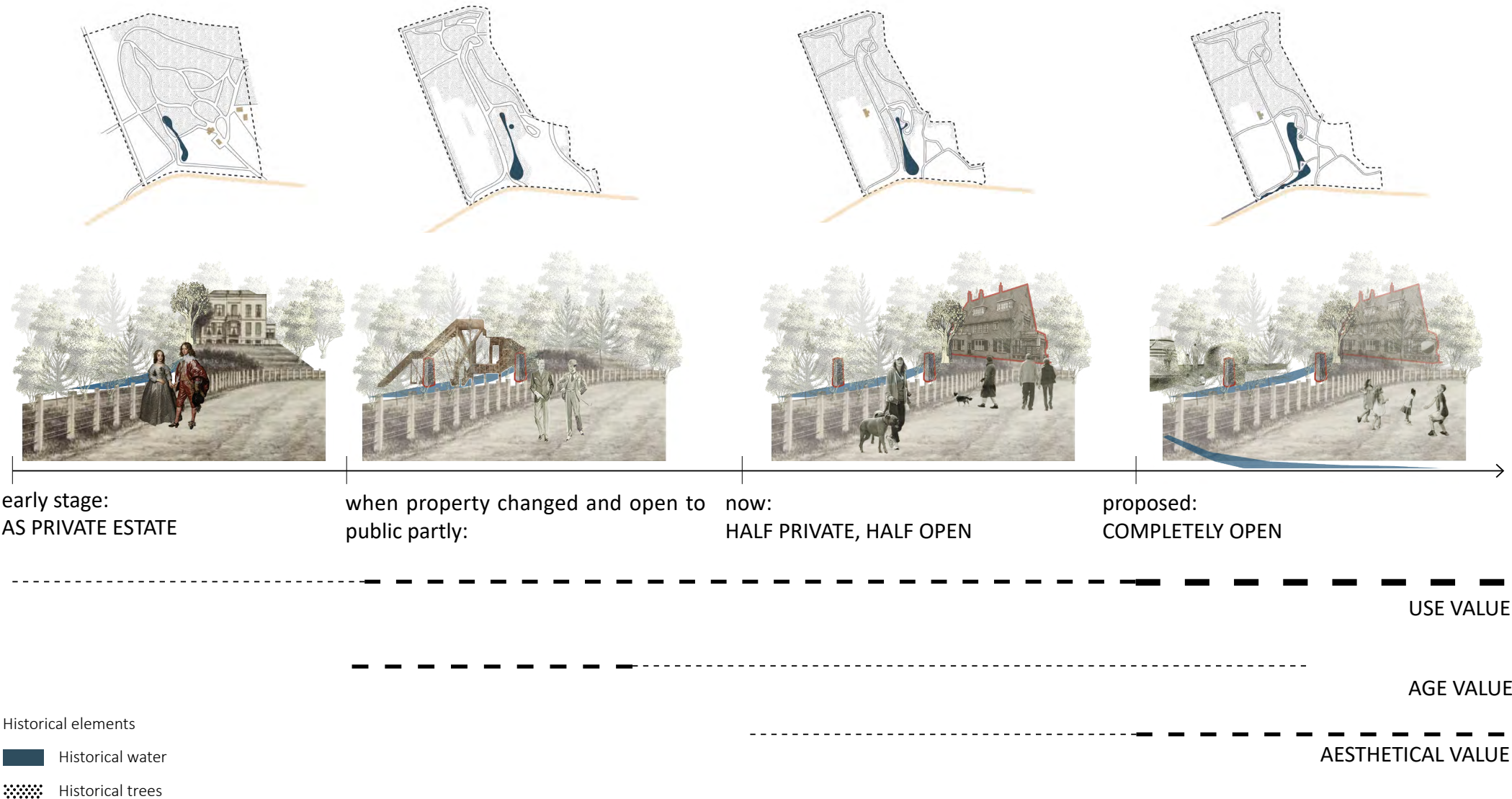
Regional context and vision

Cluster's and estate's context and intervention

CLUSTER AND ESTATE CONTEXT AND INTERVENTION

4. Estate transformation

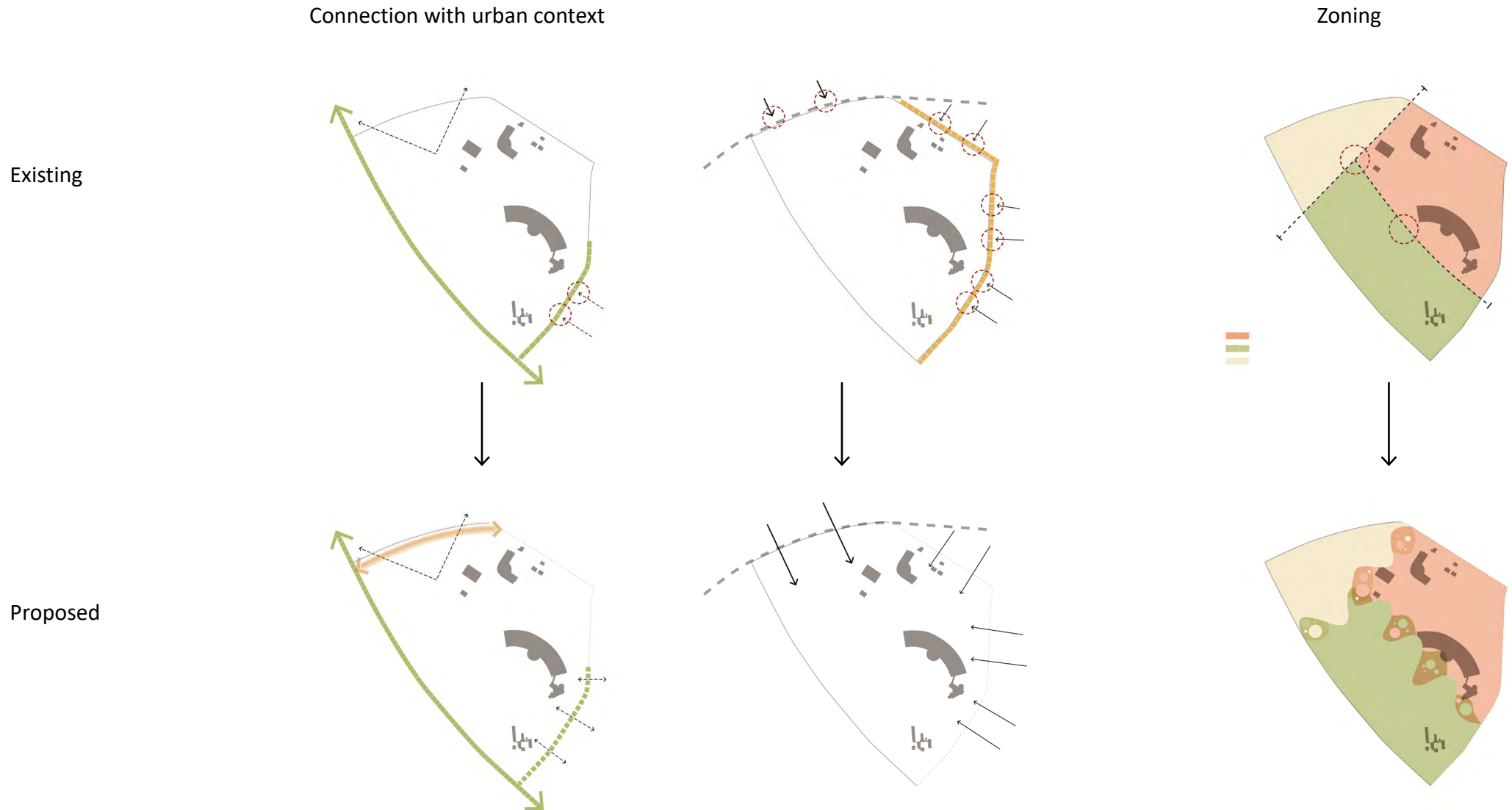
Daalhuizen_Past to future



CLUSTER AND ESTATE CONTEXT AND INTERVENTION

4. Estate transformation

Larenstein_Structure



Background

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Regional context and vision

Cluster's and estate's context and intervention

CLUSTER AND ESTATE CONTEXT AND INTERVENTION

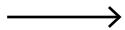
4. Estate transformation

Larenstein_Plan

Existing



Development
Vector
High intervention



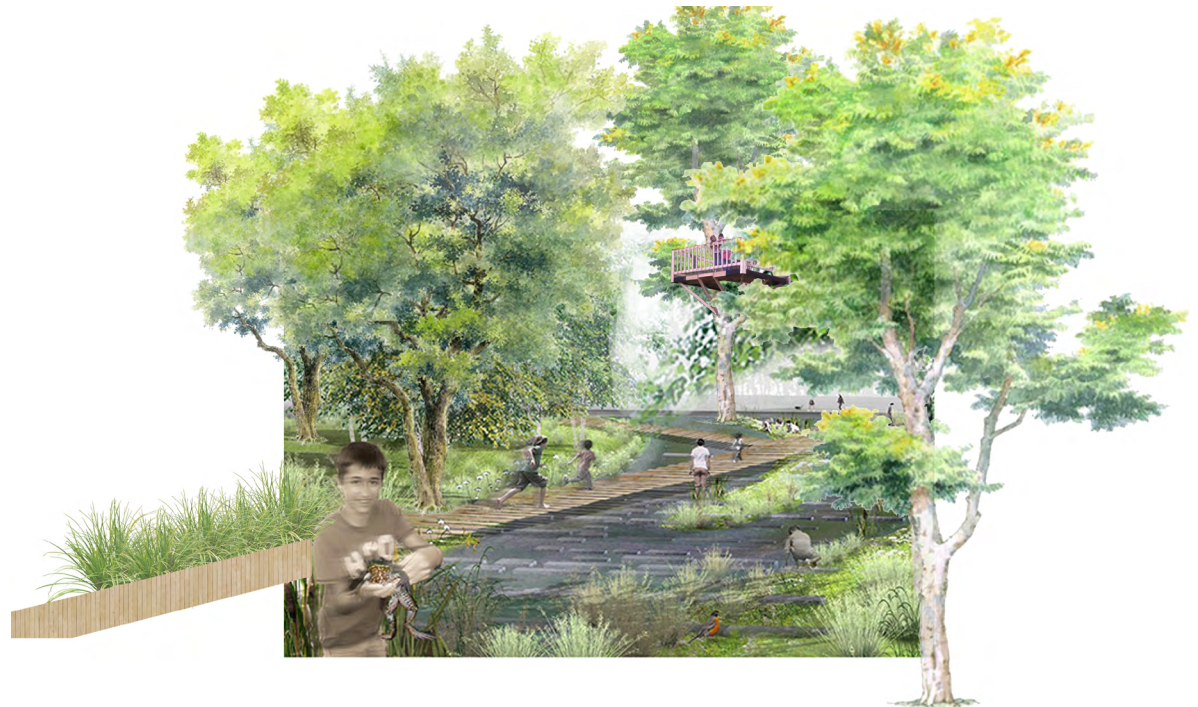
Proposed



CLUSTER AND ESTATE CONTEXT AND INTERVENTION

4. Estate transformation

Larenstein_wetland as Eco-paradise



Background

FROM ISOLATION TO INTEGRATION_Transforming three estates into an urban landscape

Regional context and vision

Cluster's and estate's context and intervention

CLUSTER AND ESTATE CONTEXT AND INTERVENTION

4. Estate transformation

Larenstein_Wetland as Eco-paradise

A with neighbourhood

B as buffer zone

c railway track facade

Now



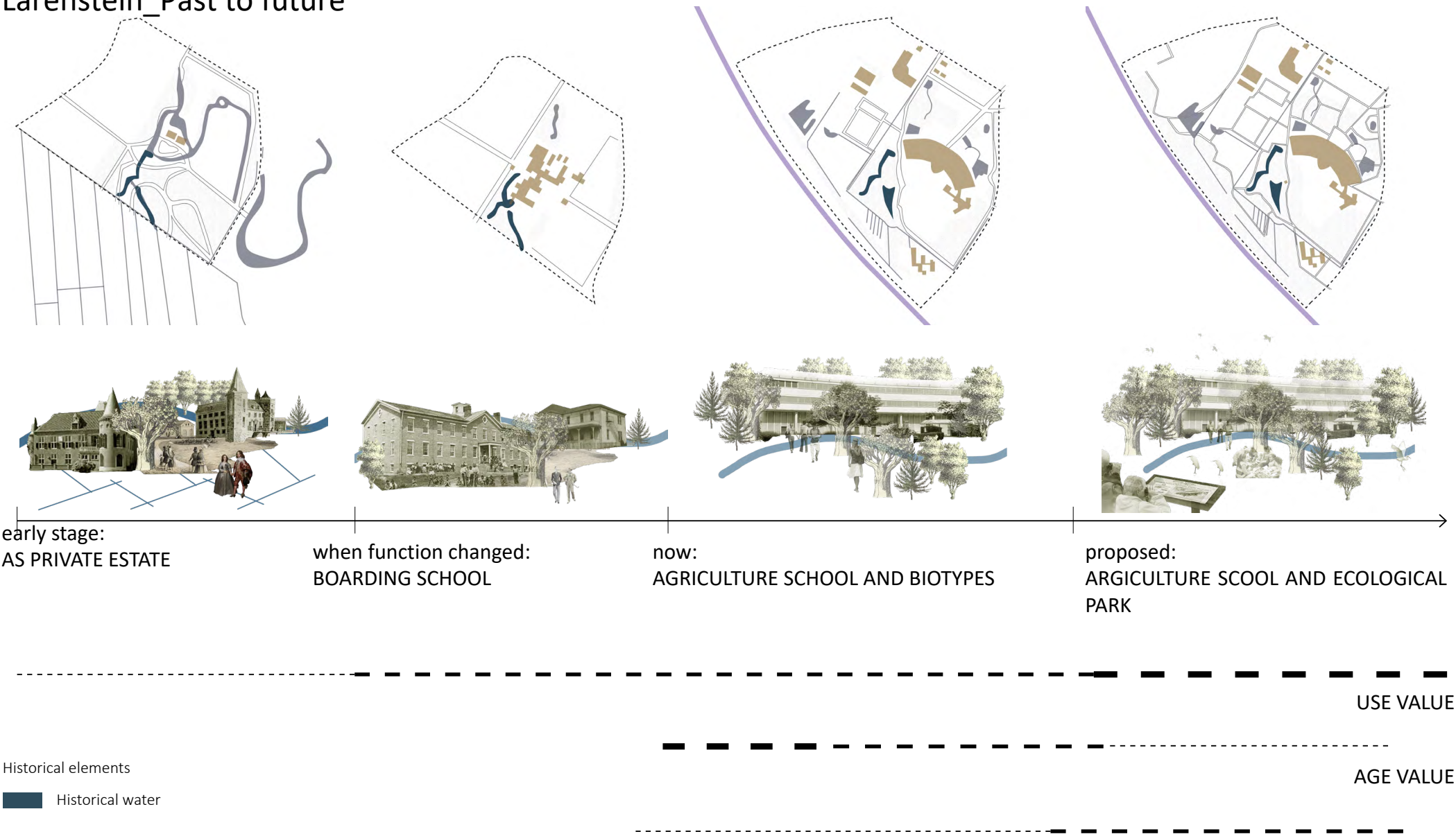
Future



CLUSTER AND ESTATE CONTEXT AND INTERVENTION

4. Estate transformation

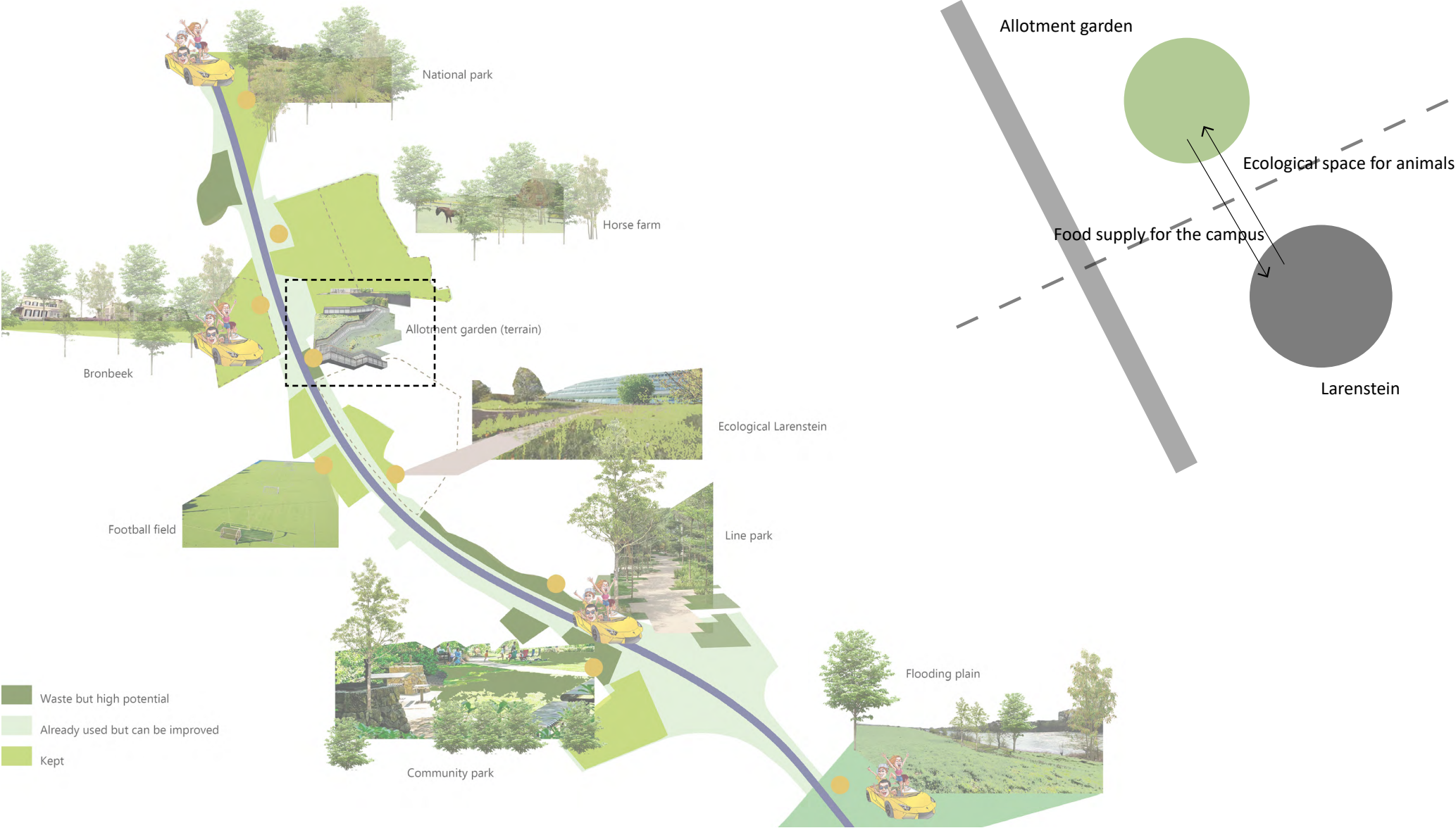
Larenstein_Past to future



CLUSTER AND ESTATE CONTEXT AND INTERVENTION

4. Estate transformation

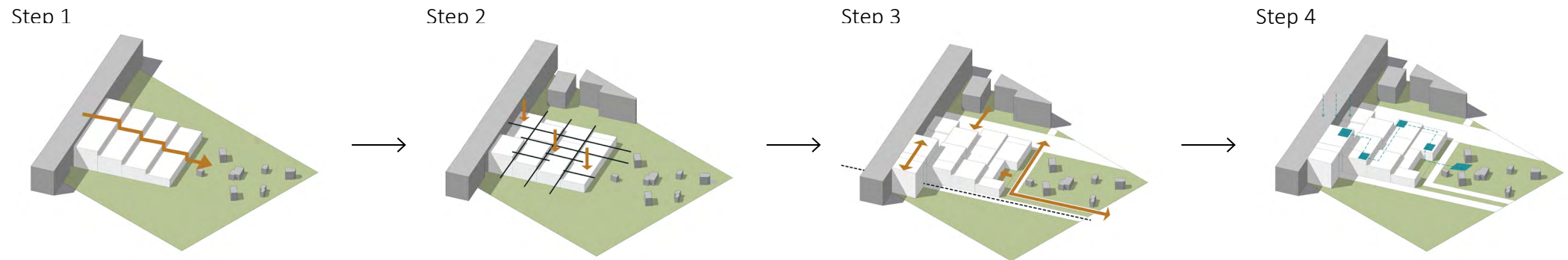
Middle terraced garden_Wetland as Eco-paradise



CLUSTER AND ESTATE CONTEXT AND INTERVENTION

4. Estate transformation

Middle terraced garden_Generation process



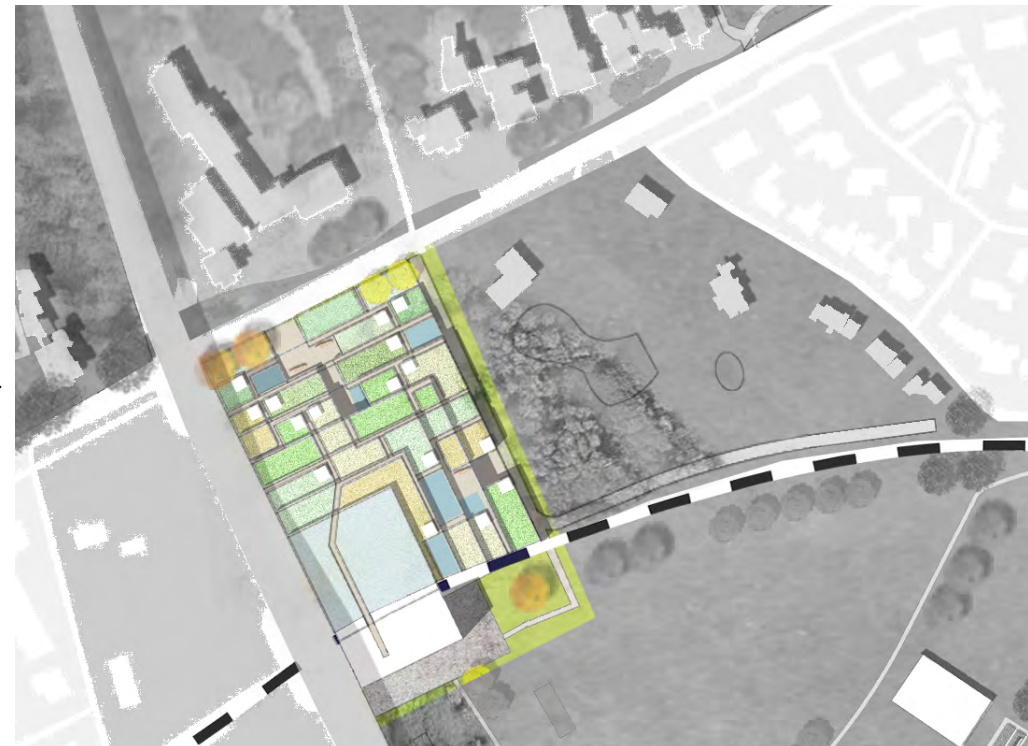
CLUSTER AND ESTATE CONTEXT AND INTERVENTION

4. Estate transformation

Middle terraced garden_Plan

Existing

Proposed



Background

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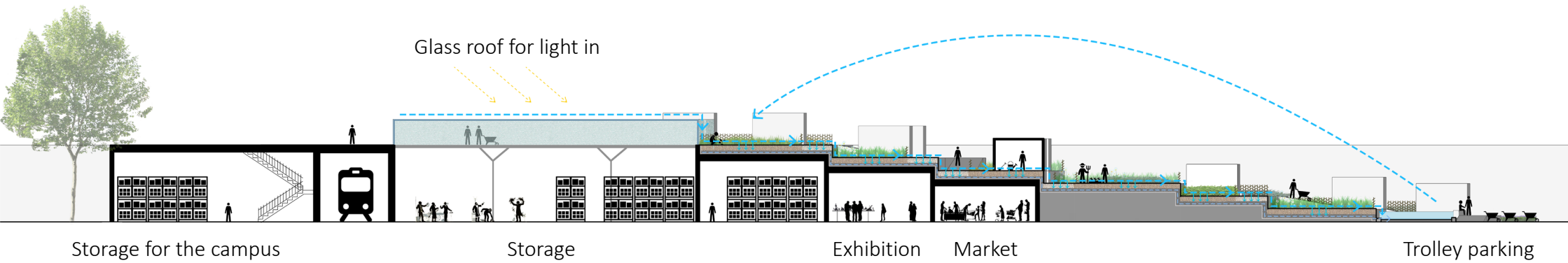
Regional context and vision

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CLUSTER AND ESTATE CONTEXT AND INTERVENTION

4. Estate transformation

Middle terraced garden_Energy self-sufficient section



Background

Regional context and vision

FROM ISOLATION TO INTEGRATION_Transforming three estates into an urban landscape

Cluster's and estate's context and intervention

5. Summary of the site

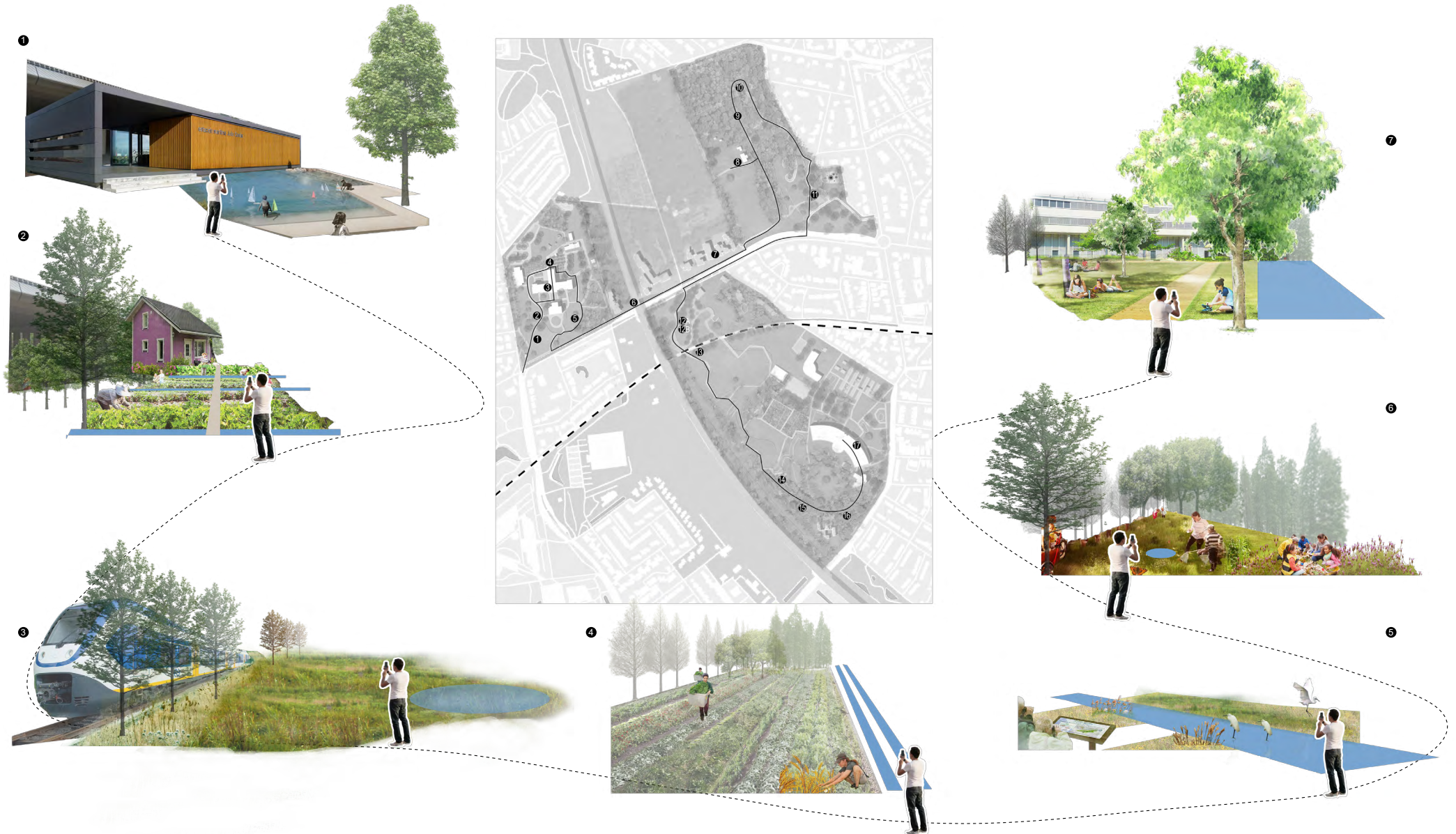
Regional context and vision

Cluster's and estate's context and intervention

CLUSTER AND ESTATE CONTEXT AND INTERVENTION

5. Summary of the site

Landscape tour in the cluster



Background

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Regional context and vision

Cluster's and estate's context and intervention

DESIGN BACK TO RESEARCH

1. Why landscape heritages are important?

Age value

Use value

Historical value

Art value

Intentional commemorative value

FOR MEMORY, FOR MOMENT, FOR AESTHETICS, FOR USE

3. What approaches can be applied to them?

With leisure

Preservation

With tourism

Renovation

With green/blue structure

REAAALLY TAKE HERITAGE INTO ACCOUNT

REAAALLY TAKE LOCAL INTO ACCOUNT

2. What are challenges of estates in the urban settlement?

Destructed

Against wish of the local

Out of date

Territory decrease

UNBALANCE BETWEEN THE HERITAGE AND URBAN DEVELOPMENT

4. What are the significance of my project to the landscape heritage field?

WHEN URBAN INFRASTRUCTURES CONFLICTS WITH HERITAGE

Urban infrastructure could be an opportunity

WHEN HERITAGE IS FANCY

Preservation (Bronbeek)

WHEN HERITAGE IS OUT OF DATE

Renovation (Daalhuizen)

WHEN HERITAGE IS INVISIBLE

Development (Larenstein)

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THANKS FOR YOUR ATTENTION

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Delegate: Robert Nottrot