Connections with The Urban

Biesbosch is located in the urban ring in the South West delta. It is directly connected with the city Dordrecht by road as well as water.

Human Interventions

A complex of natural processes and human interventions...

Timeline of natural events and human interventions

What people do for a living...

- fishing
- reeds - handicraft
- willow fields - handicraft
- agriculture and graziery
- recreation
The species has gone through declination. As of now, the recreational areas are scattered in the area.

| Ecological And Recreational Conditions |

Recreational area scattered in Biesbosch.

| History of Biesbosch |

3 layers of natural, cultural and urban have show that with the developments of cultural and urban layers, the natural layer has been scattered.
| Theory - Relations between Nature and Human |

1. In the old times, nature is perceived from an aesthetic point of view. However, the interventions have no effects on the natural function.

2. In modern landscape design, it is the ecological function that is addressed in nature. The experience and aesthetics are given little concern.

3. In the future, it is best that both aesthetic and ecological aspects of nature are addressed in landscape design. So that human and nature can establish a dialogic relation.

4. Ecological aesthetics can be as medium to establish the dialogic relation between human and nature.

| Theory - Ecological Aesthetics |

Ecological aesthetic refers to aesthetic that’s contained in living life existence and operations, relying on the species equality and ecological balance. (Jiayuan Qin, 2006)

Ecological integrity is the base ground for aesthetic appeal.

The role of landscape design:
Landscape modifies the physical context for ecological integrity, and deals with social context to facilities aesthetic appeal.
Ecological Integrity And Design Principle

Biesbosch has several typical biotopes along the evolution. With the tidal fades, the biotopes declined. In the foreseen, the tides are coming back, which can be used to restore the typical biotopes. By identifying the biotopes draw the principles for landscape restoration.

The biotopes are mainly determined by water levels. In order to better understand, the main species are abstracted as dots and lines.

Biesbosch has several typical biotopes along the evolution. With the tidal fades, the biotopes declined. In the foreseen, the tides are coming back, which can be used to restore the typical biotopes. By identifying the biotopes draw the principles for landscape restoration.
The mudflats, bies, reeds and willow forest have their unique characters. From the view of aesthetic appeal, the formal beauty of each of the elements and the sequential beauty of the scenes, and also the adaptive beauty of the interaction of tidal and the biotopes.

The handdrawings show the essence of the beauty. The abstractions show the intervention that can specify.
|Design Concepts|

1. Original landscape
2. Landscape restoration
3. Enhance the aesthetic characteristics.

|Design Concepts Evolution|

Concept Development

- Original landscape
- Present landscape
- How to turn the broken landscape to original structure?
- Human intervention - fill & dig, plantation
- Natural process - succession
- Zoning: recreation, reserve
| Design Steps |

Roads to enter site.
The terrace structure.
Facilities of visitor center, etc.

Design steps

Paths connections in site.
Visual connections with other parts.

Nodes for programs along the path experience.
Master Plan - Flood Season

Phase 2 (0.5-2y): facility construction

Phase 3 (2-3y): plantation, shading by man
natural succession to take over

Legends:
- view points
- ramping site
- cafe
- hostel
- museum
- visitor center
- parking lot
- harbor
Transformation Phases - Short Term

Phase 4 | 2y, ready for total open to public

Phase 5 | 50y, reaction to sea level rise
- old die for more sediments,
- new eras is pile buffer;
- old terrace submerging

Phase 6 | 80y
- old terrace submerging,
- new terrace forming

Phase 7 | 100y
- old terrace submerging,
- new terrace formed

Transformation Phases - Long Term
### Paths design framework

| Framework - Path System |

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From the city center of Dordrecht, the water plays an essential role in urban life.

In the suburb area, the green gets more and more. However, in a way of passing through.

From the village Werkendam to Biesbosch, the scenes on both sides changes along the way.