

Säveån

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# *Urban Host*



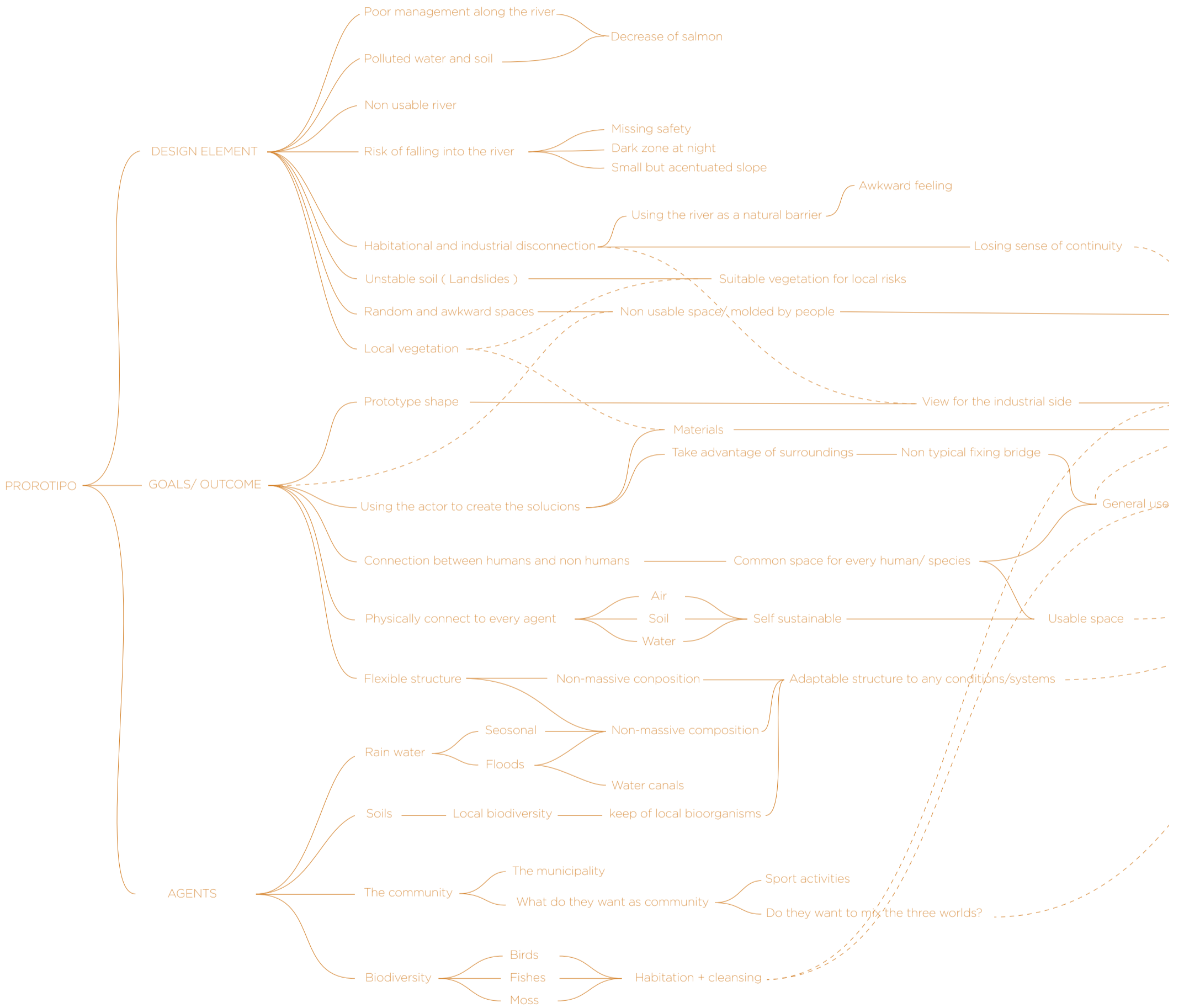


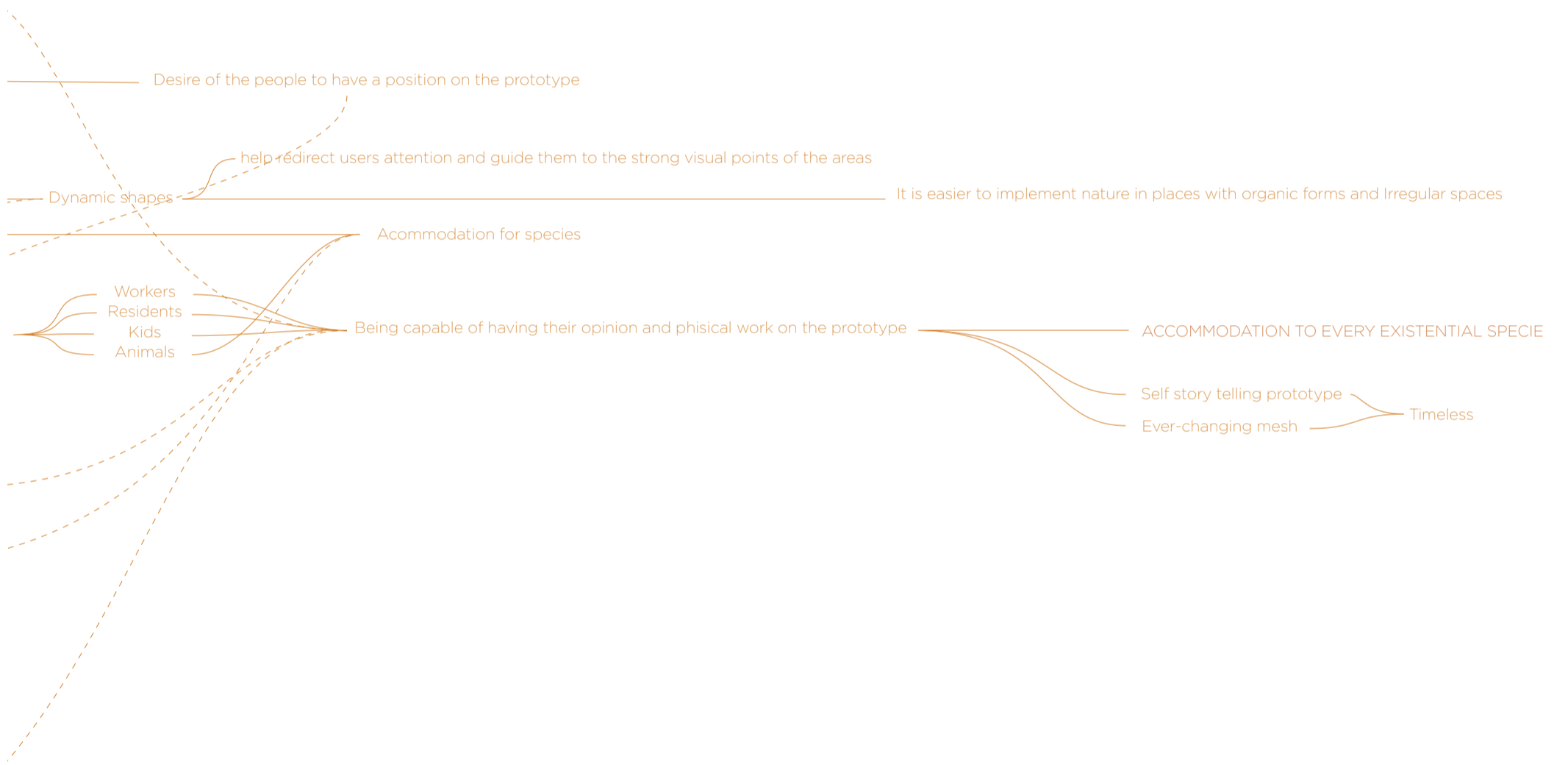




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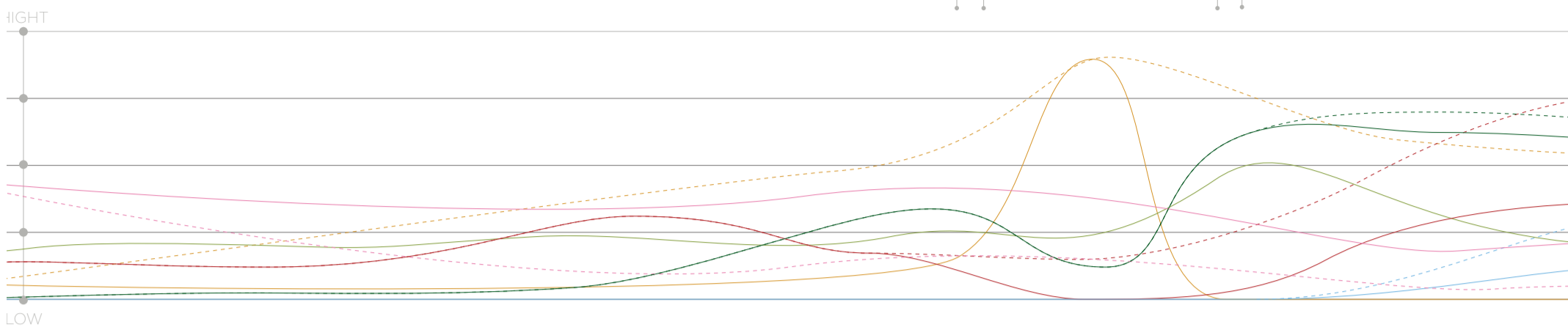




Even though the place is not very busy, it also does not have many features that stand out in the existing biodiversity. There are also no more paths due to the lack of incentives to bring movement to the place

Where there is more presence of humans, there is an inverse reaction in the curve of elements related to nature

In this area, we have observed a similar pattern to that of the neighbouring zone but here there is low human activity leading to a growth in biodiversity.



Residential side

Path

Natural border

- Air Pollution
- Biodiversity (Birds, Insects)
- Existence of moss
- Local Vegetation
- Salmon activity
- Human activity
- - - Goals

natural slope

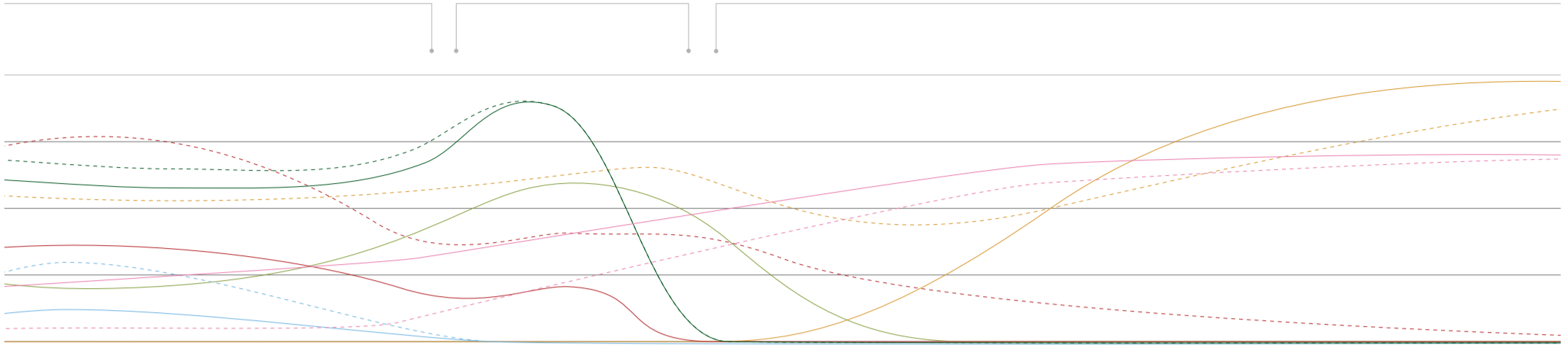




However, we have also noted fewer salmon in this area and a significant amount of moss.

Vegetation barriers serve as natural air filters and sound barriers also providing better habitats for species to thrive.

It has more aggressive characteristics for the site, such as soil contamination, which in itself contaminates the river water due to the high movement of trucks and others, which helps with noise evolution, but the trees on the banks help reduce noise.



Săveãn River      Vegetation implemented / Barrier of vegetation      Industrial side



### Main identified problems by zones

Biodiversity loss

Community local adapted activities

(attempts to create an approximation with the river)

### Biosystems of identified zones

and a quick analysis about each

In the summer, it is possible to see large and small dragonflies over the clean river waters. They are indicators of water quality and beneficial to fish.

Blue dragonfly

Local vegetation

Independently of having, propositional tree ( others ) species for improvement and reduction of risks, the local vegetation helps to keep the natural fauna of the place

### Säveån as a community

social behaviour

Community desire to build entertainment



Impractical solutions for the characteristics of the location



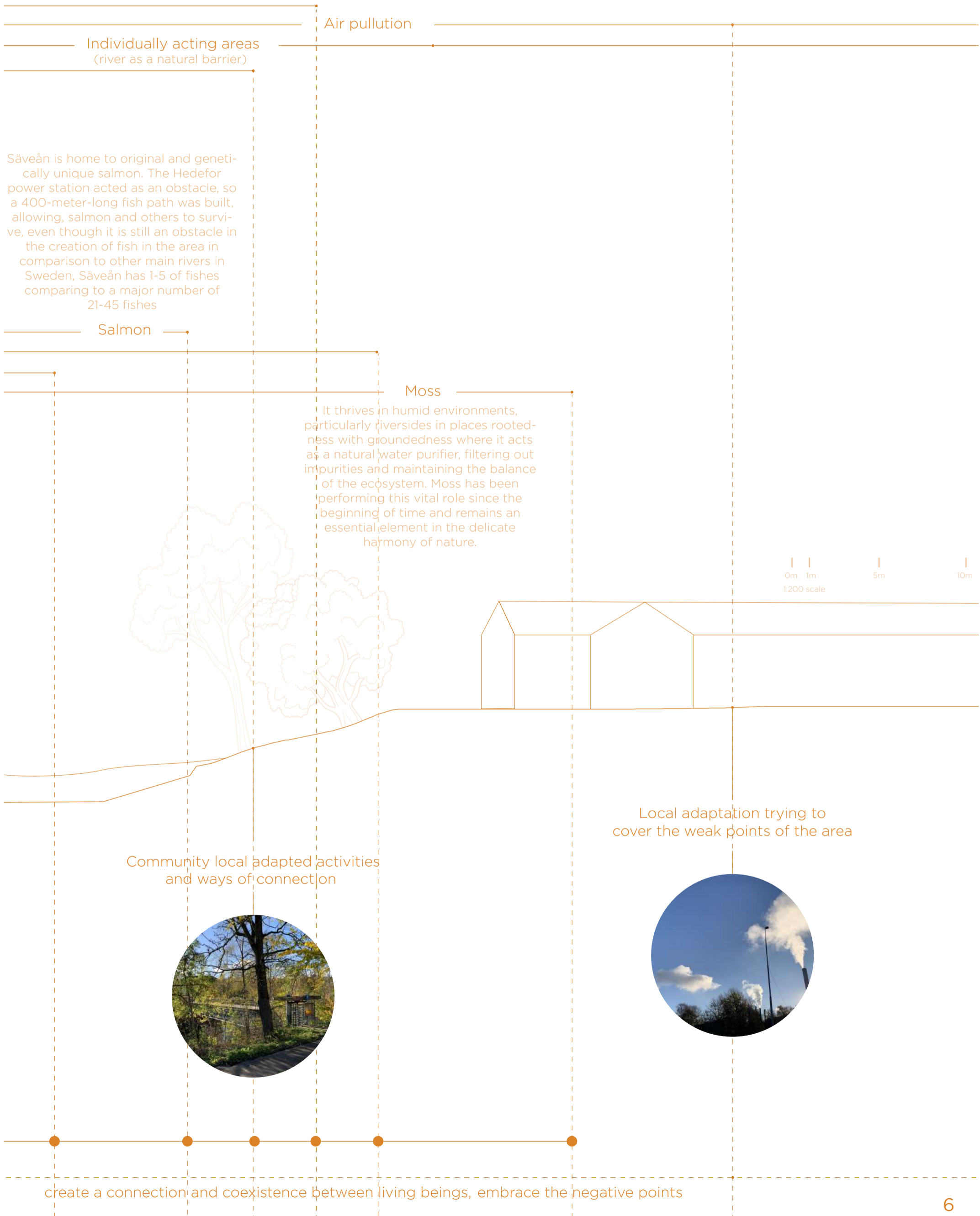
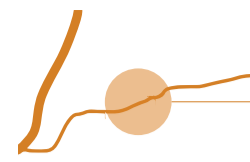
Common concern for local biodiversity (Birds)



### Key Points

Area of interest

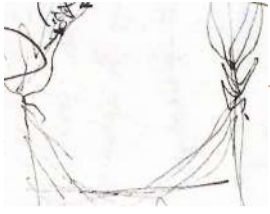
Seize the community will create social places and care to protect biodiversity,



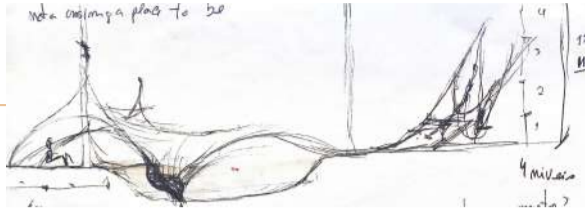
# Evolutionary tree. creative process

Key concepts

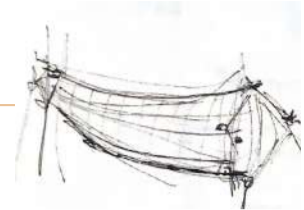
Tree support



Inclusive design

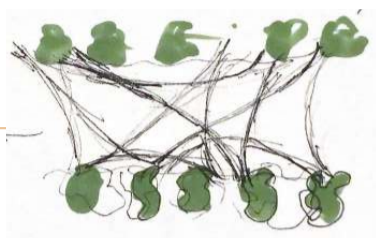
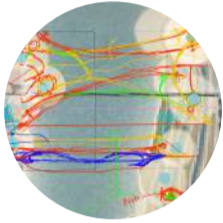


Net

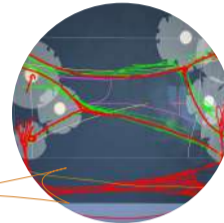


Inicial process of ideas

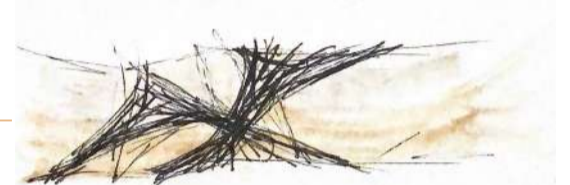
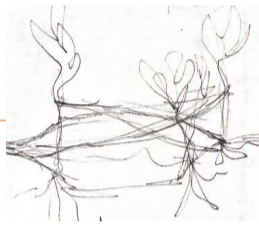
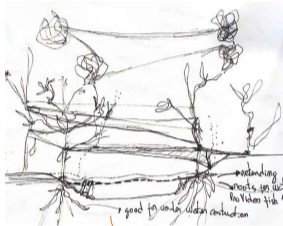
Apply concept on site



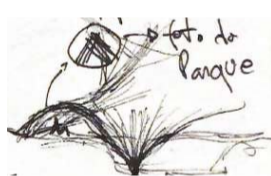
Apply concept on site



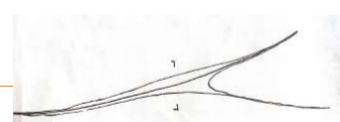
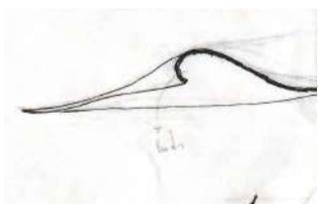
Combination of elements to create a more comprehensive design



Creare oportunities vwith the design for the matters of cleasing and habitat

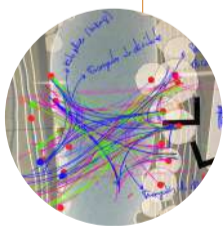


Studies about design options

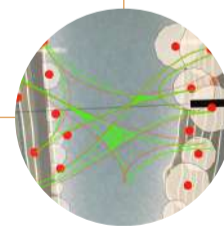


First real impresion of the prototype

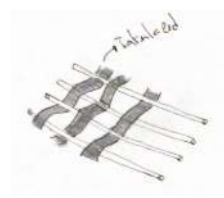
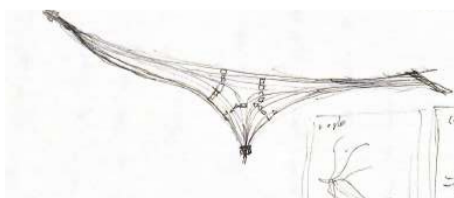
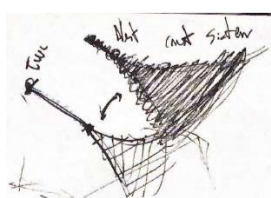
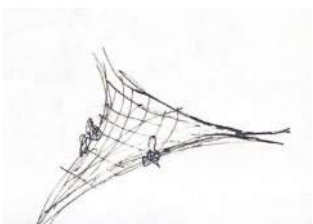
Oportunities about design options



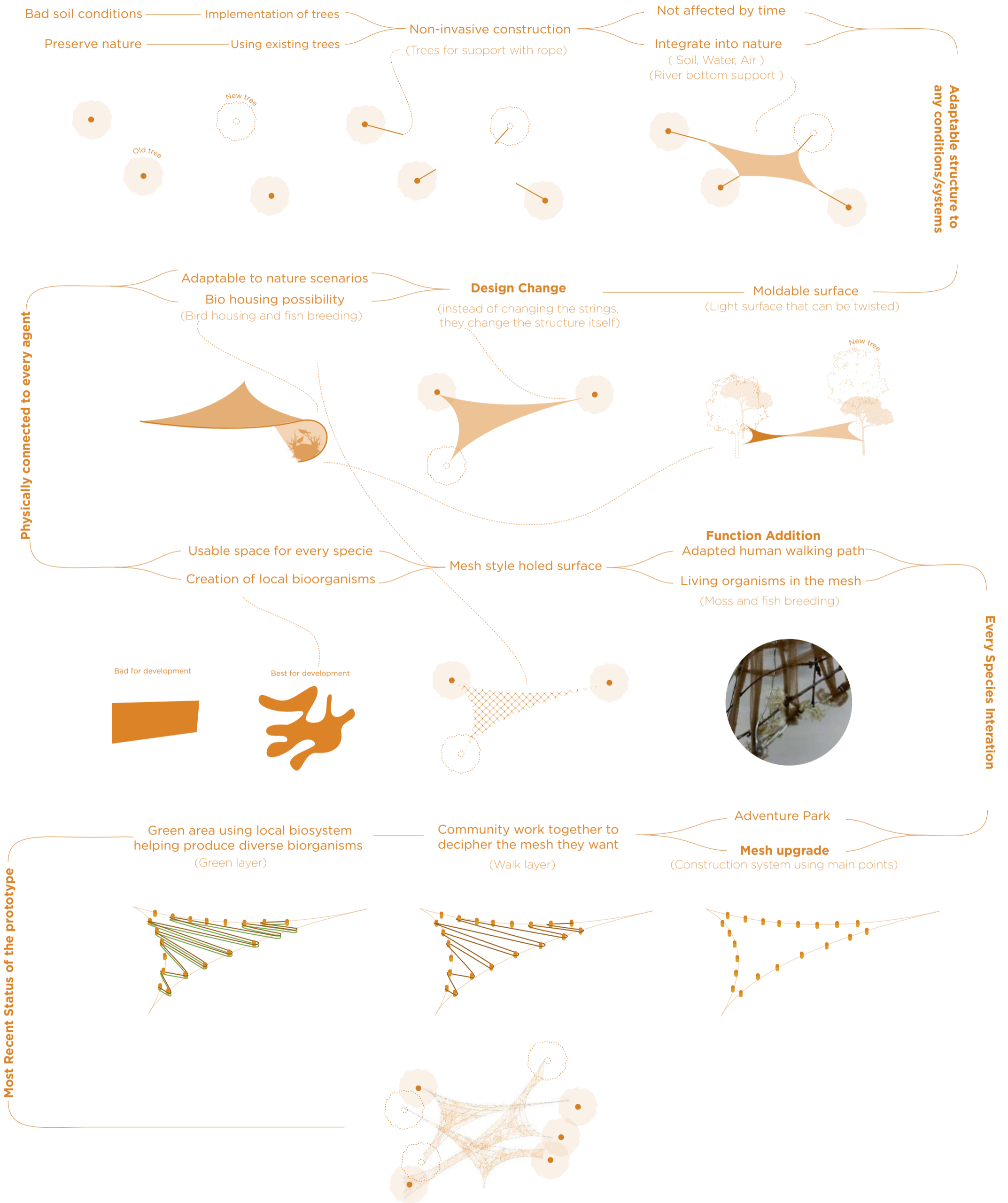
Final plan design



Physical and technical implementation of the prototype



# Evolutionary tree. conceptual process



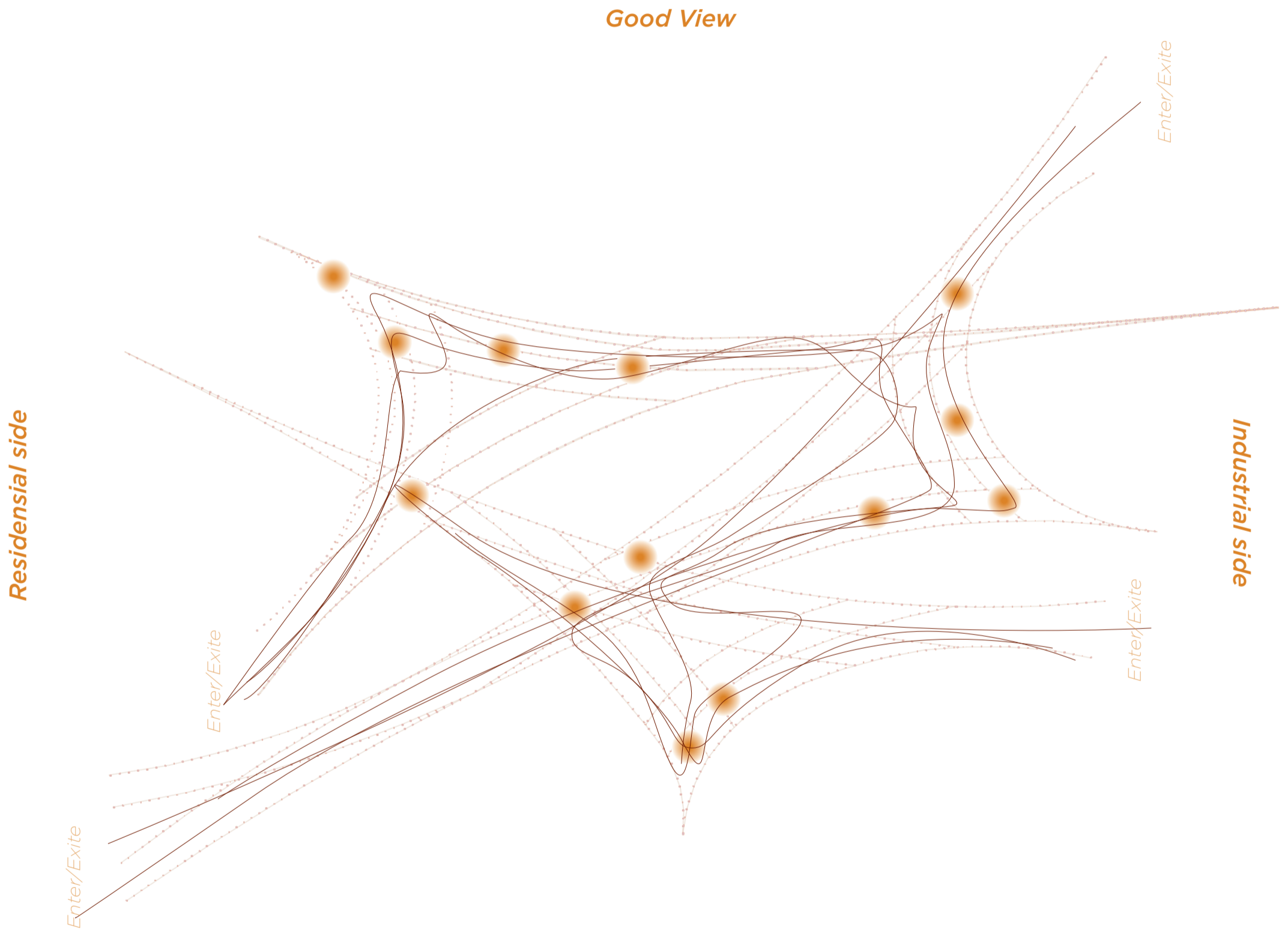
## Exploded axonometry

The prototype was designed to solve some of the natural problems that exist in the area, such as floods, landslides and loss of biodiversity. Furthermore, there is a social problem caused by the separation of two different worlds.

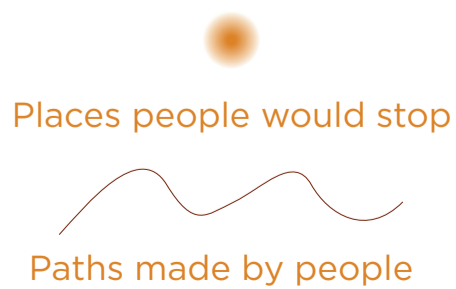
The prototype presents multiple design options, which makes it a structure adaptable to any riverside area, which can also be influenced by the inhabitants or workers of the area, thus making it an even more engaging structure, this is demonstrated through the mesh that will be created by on top of the skeleton, which gives an infinite variety of collective handling.

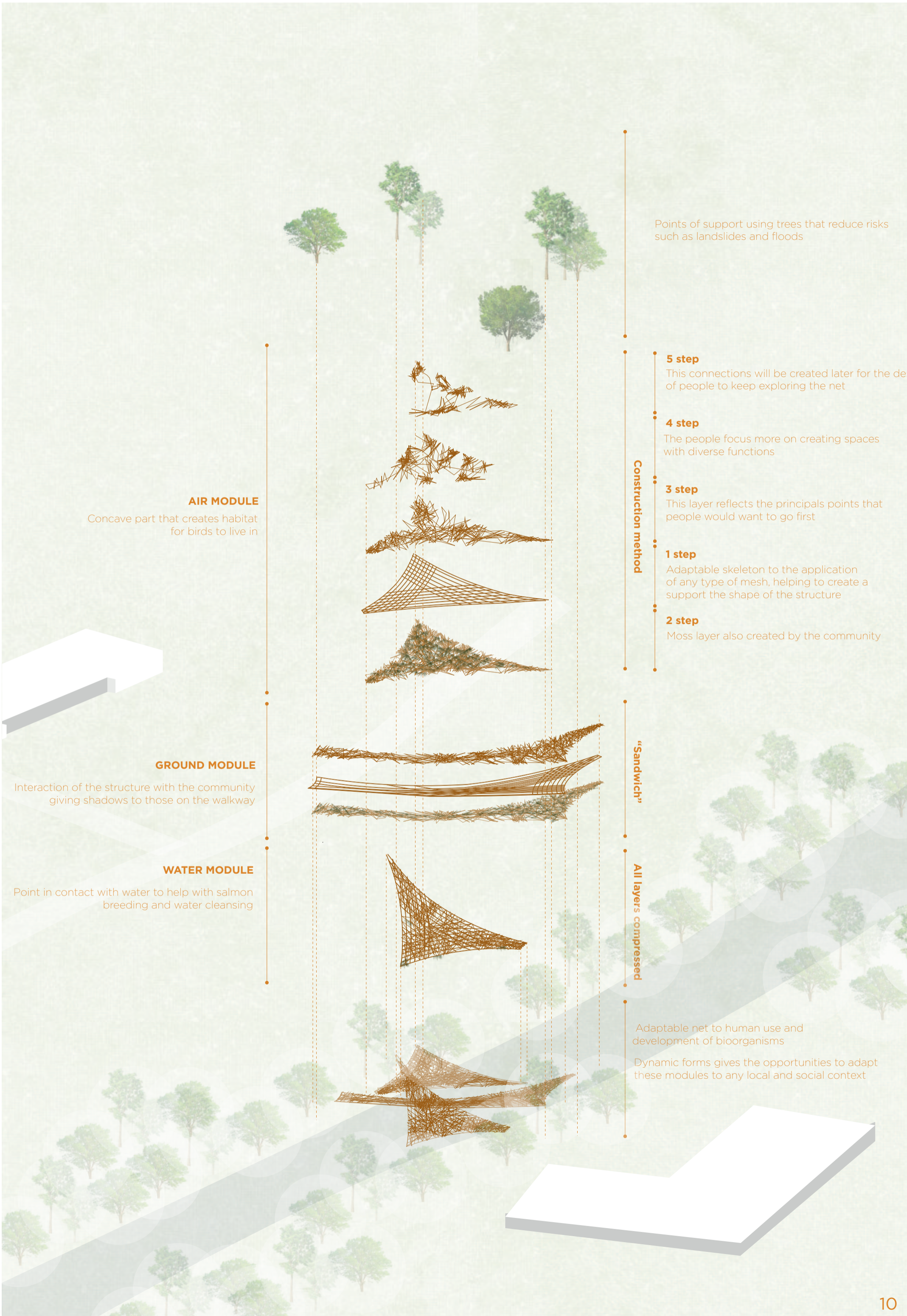
### How accurate the mesh was created

Social experiment (several people were asked to demonstrate the routes of interest that they would choose to take, in order to obtain a closer conclusion of what the network would be like)



Good View





Points of support using trees that reduce risks such as landslides and floods

**AIR MODULE**  
Concave part that creates habitat for birds to live in

**GROUND MODULE**  
Interaction of the structure with the community giving shadows to those on the walkway

**WATER MODULE**  
Point in contact with water to help with salmon breeding and water cleansing

- Construction method**
- 5 step**  
This connections will be created later for the de of people to keep exploring the net
  - 4 step**  
The people focus more on creating spaces with diverse functions
  - 3 step**  
This layer reflects the principals points that people would want to go first
  - 1 step**  
Adaptable skeleton to the application of any type of mesh, helping to create a support the shape of the structure
  - 2 step**  
Moss layer also created by the community

“Sandwich”

All layers compressed

Adaptable net to human use and development of bioorganisms

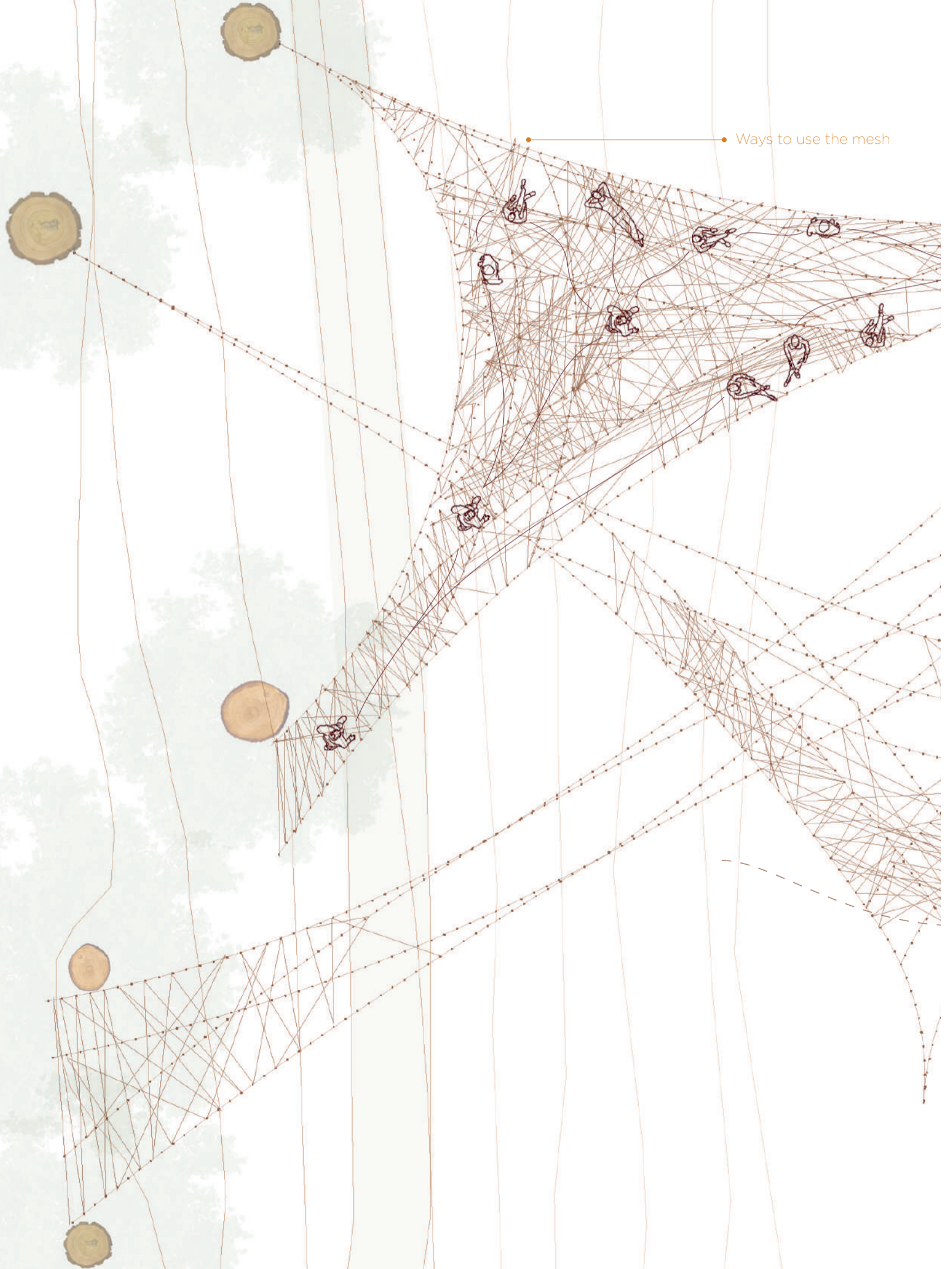
Dynamic forms gives the opportunities to adapt these modules to any local and social context

## Plan 1:100

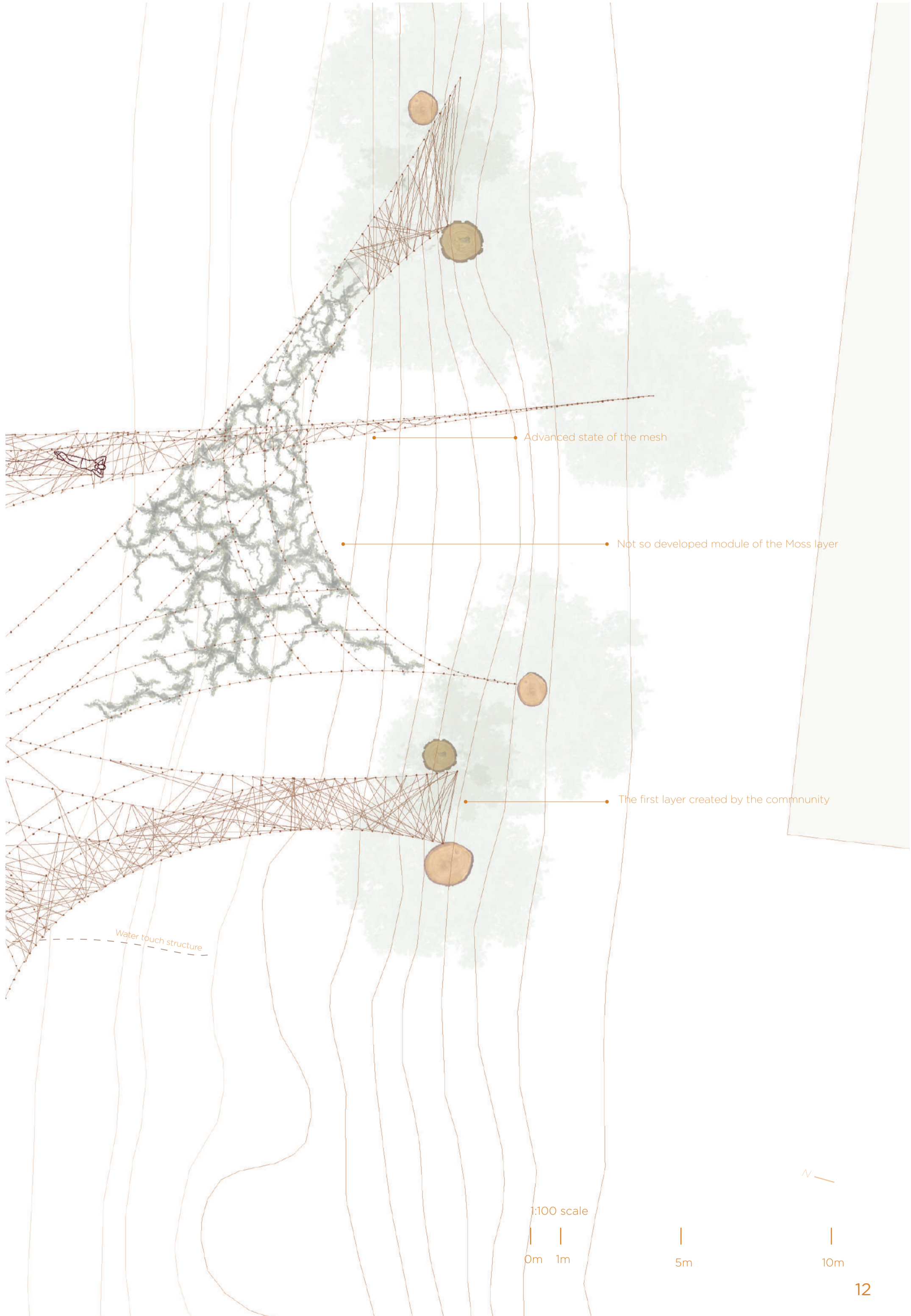
The prototype was designed to address some of the natural problems that exist in the area, such as floods, landslides, and loss of biodiversity. Additionally, there is a social problem caused by the separation of two different worlds. The main purpose of the prototype is to create a physical and visual connection between these two worlds, providing a shared space that can be used by people to enjoy and connect with the river and the surrounding environment.

The proposed ideas offer a lot of opportunities in terms of production and habitation. For instance, the flood current and wind power could be harnessed to produce energy, and the structures could be designed to accommodate different species such as birds and fish and increase of biodiversity.

The prototype is made of wound flax fiber for the basic support and then complemented with remains of local vegetation that can be manipulated and produce this parable format







Advanced state of the mesh

Not so developed module of the Moss layer

The first layer created by the community

Water touch structure

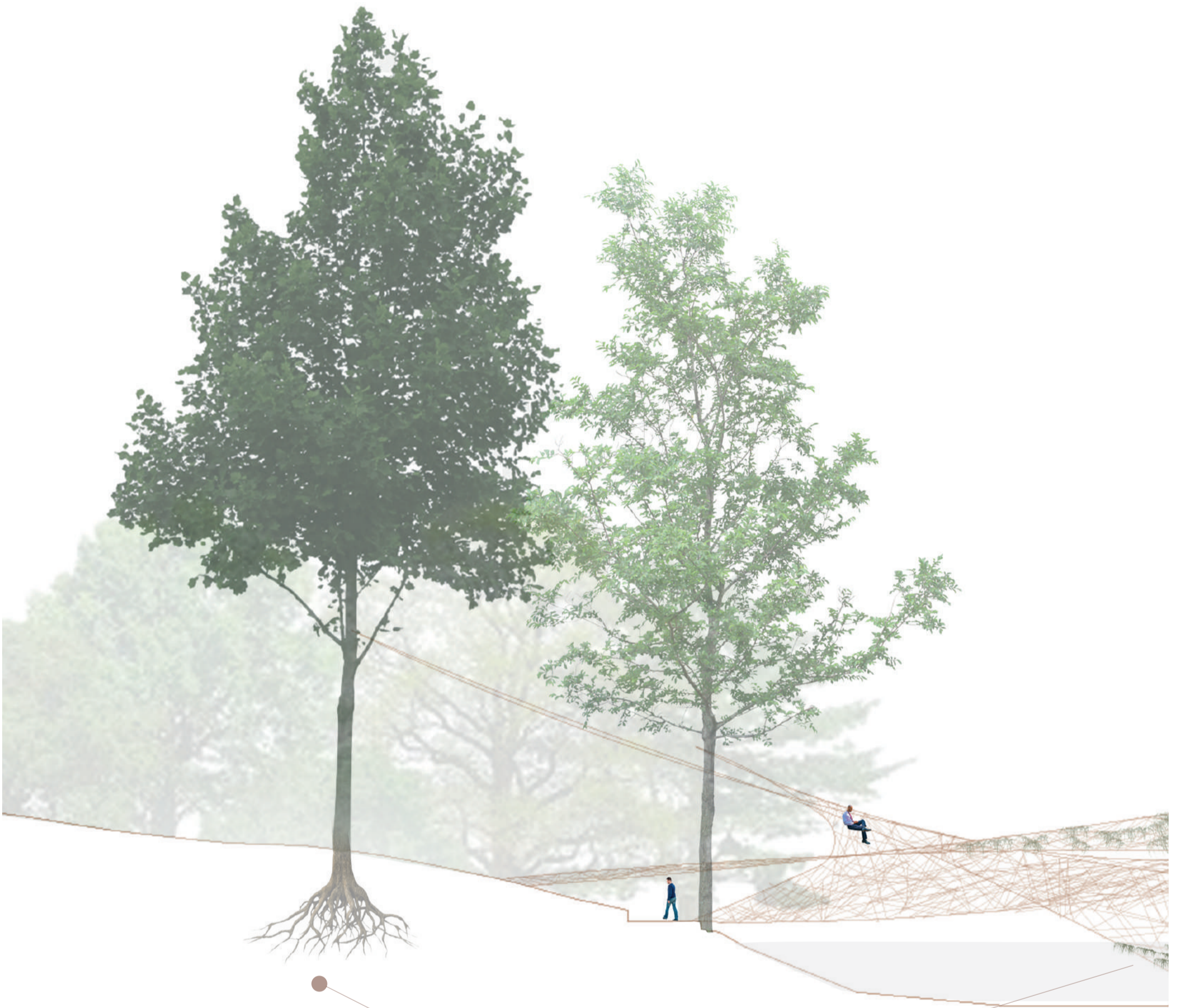
1:100 scale

0m 1m

5m

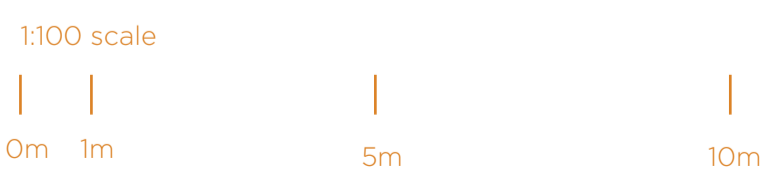
10m





● This type of roots will help reduce the risk of landslides and floods

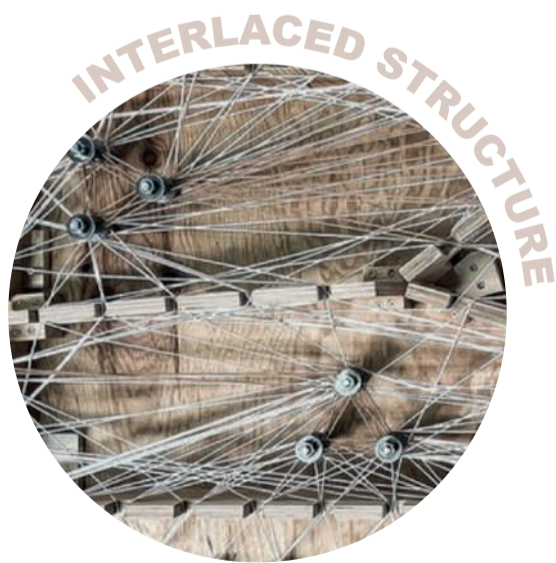
● Cleaning water through moss



KIDS, WORKERS,

Habitation side

POINT



VISITORS, BIRDS, FISHES AND RIVER

OF CONNECTION

Industrial Side

Ground + Air

Give "dead" zones a functionality

Air

Connect small and not visible water channel and ponds to provide safe environment

A superficie to give shadow for cars, people

Ground + Water

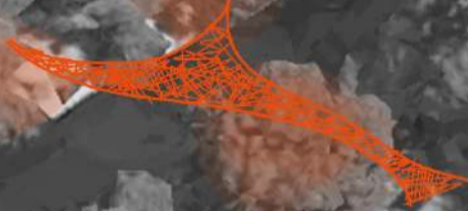


Can be used in private residences



Ground + Air

Water + Air



Ground + Water



This modules can be attached to existential building or objects



In(Plant)

**S**

Strengths

- Cleansing air and water
- Birds and fish Habitat
- Community participation
- Point of connection between two totally different worlds
- Non-fixed structure
- The multipurpose space used in the way the community wants
- The storytelling structure
- Time work as a favor not against
- Improving biodiversity and biosystems
- Adaptable net to human use and development of bioorganisms
- Help redirect users attention and guide them to the strongest visual points of the area
- People can decide what to do
- Attached to local context

**W**

Weakness

- Use of local bioorganism, conditions
- Not age friendly,
- Safety
- Points of attachment
- Requires extensive time consuming preparation and production
- Metal structure
- Impracticability to achive the fisical mesh

**O**

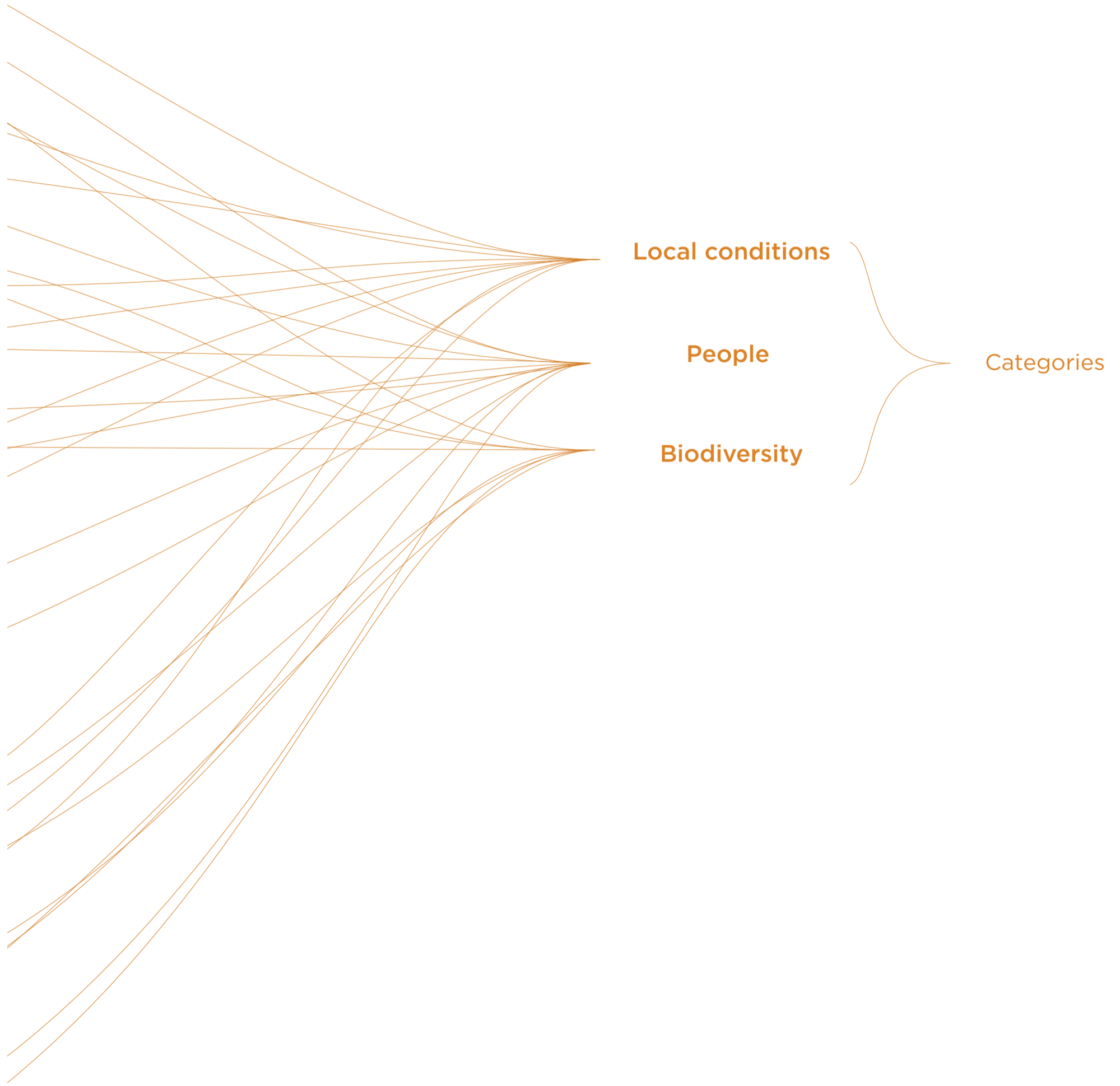
Opportunities

- Structure adaptable to any type of environment and its characteristics fauna, flora, geology and geography(Dynamic forms)
- People can create interesing scenarios based of where the prototype is located
- More diversity in the form of the structure (perhaps historical context)
- Making better use of geographic and biological conditions
- Diversification of materials used
- Having a different social or biologic approach

**T**

Threats

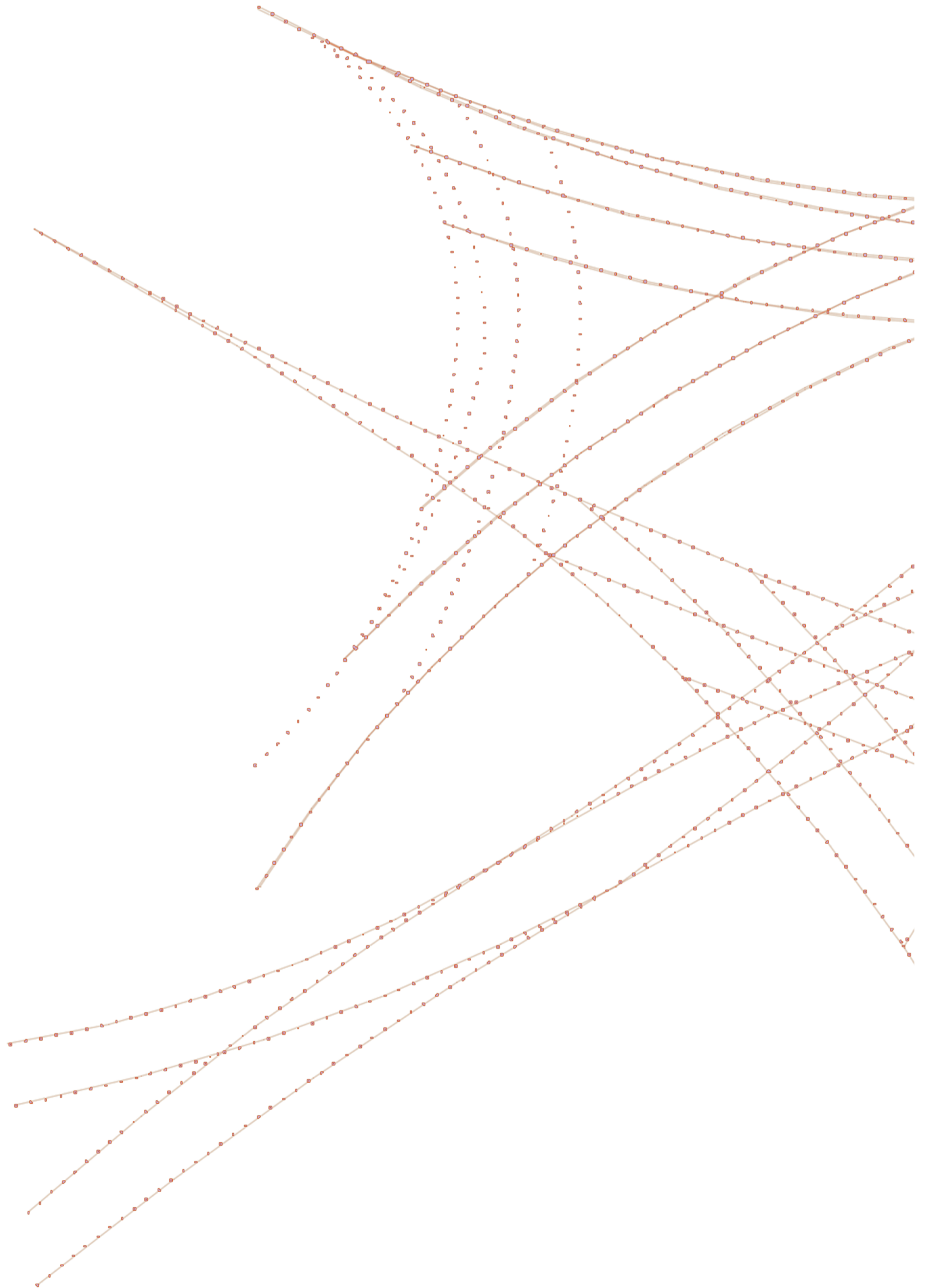
- Lack of human cooperation in production
- Non-adaptation of certain biosystems into the mesh
- Structure giving way, due to lack of support
- Growth of unwanted biosystems



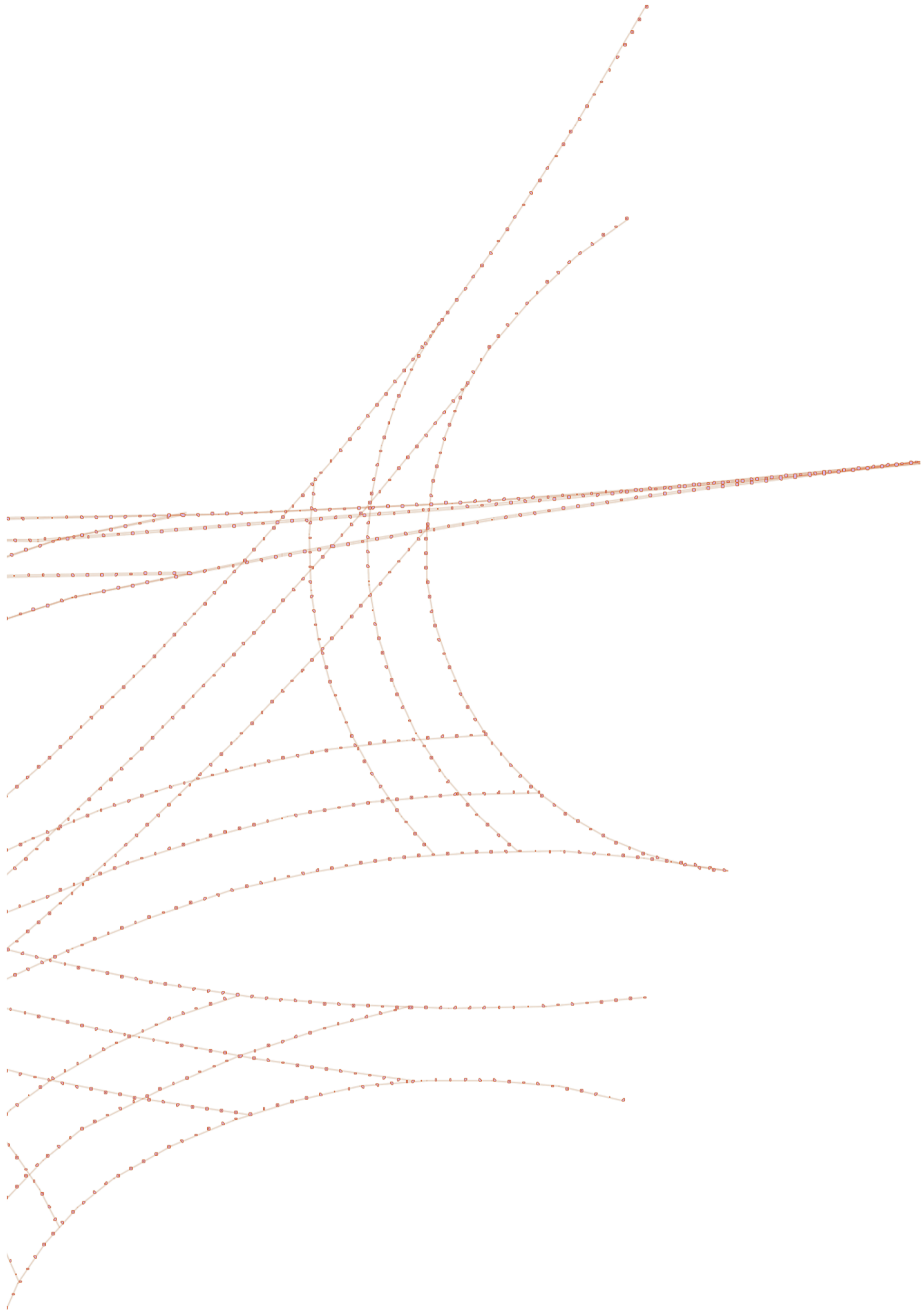
What would you do ?

**I play the role of nature**

**YOU (the reader) play the role of community**







**Create your own space**



Moss ropes on one side of the net for cleansing of the water and create a better environment for fish breeding

Moss ropes on one side of the net to increase the biodiversity and well being of the bird nests

The net placement provides different situations that have diverse functions

"I see the salmon growth already"

"Give me more rope so i can finish it"

"Look ! Birds !"

Water filtration