



SYMBIOTIS

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GSAPP AAD 2021

SYMBIOSIS HEALING WATER

I come from a family of healer. Through out my experience in architecture, a blood in my vine constantly asking the following questing. Can architecture heal?

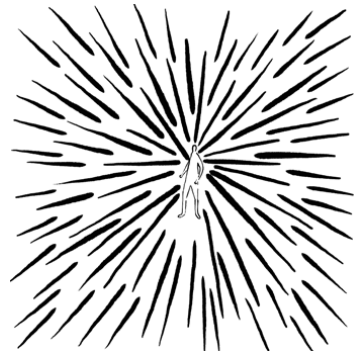
This work starts from my deepest personal experience of the most intimate and profound space. I think that an experience that can sublimate people and surpass oneself has the potential to heal us. We may live so numbly in our environment for so long that we take everything as usual. But architecture can be a medium to awaken us.

Water is an indispensable element for nurturing life. From a microscopic internal perspective, it exists in each of our cells; from a macroscopic external perspective, it is the lifeblood of human settlements and the natural environment. This project uses water as a medium to find a course of healing and symbiosis between the human body, the community, and the environment.

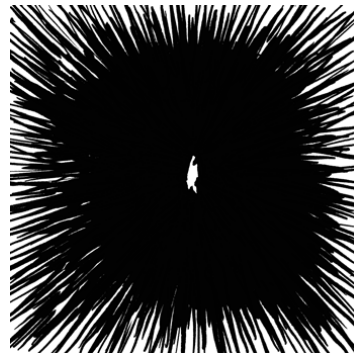
Summer 2021 Entangled Studio:
THE ART OF POETIC ENVIRONMENTAL ARCHITECTURE

Critic :
Yussef Agblo-Ola

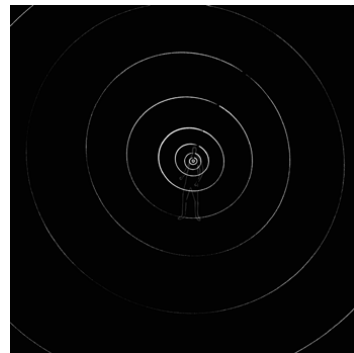




The darkness and the noise of the water overload our senses.



Until a certain moment, our ears adapt to the noise, it is so full, become background, become emptiness. Our eyes started to adapt to the darkness, hear our foot step on water, and eventually see those water on the floor.



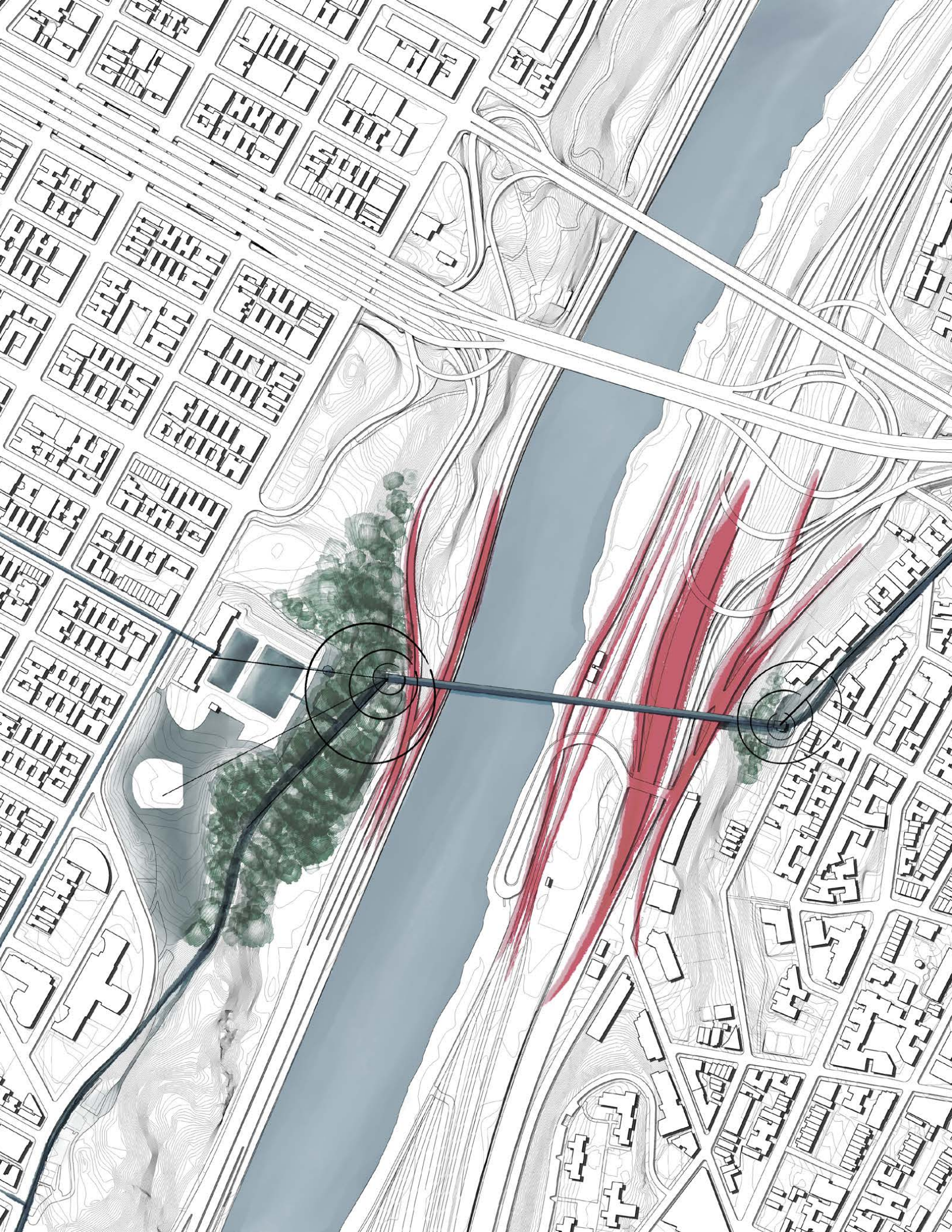
We adapt to darkness, it draws us to light space and noise disappears. It is so quiet that we can even hear our heartbeat.



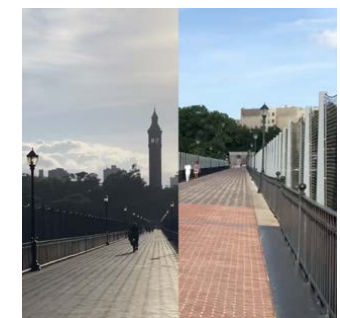
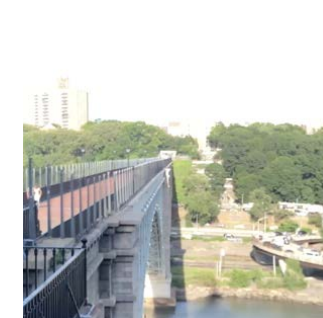
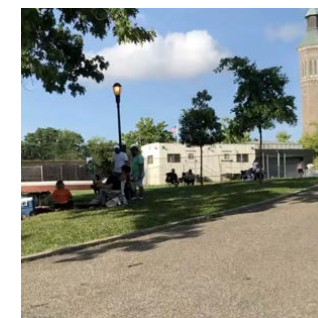
Then we notice that we are stepping on a different texture, the enhancing bounding of our feet to the earth, make us feel our own weight, feel the gravity, feel our existence.

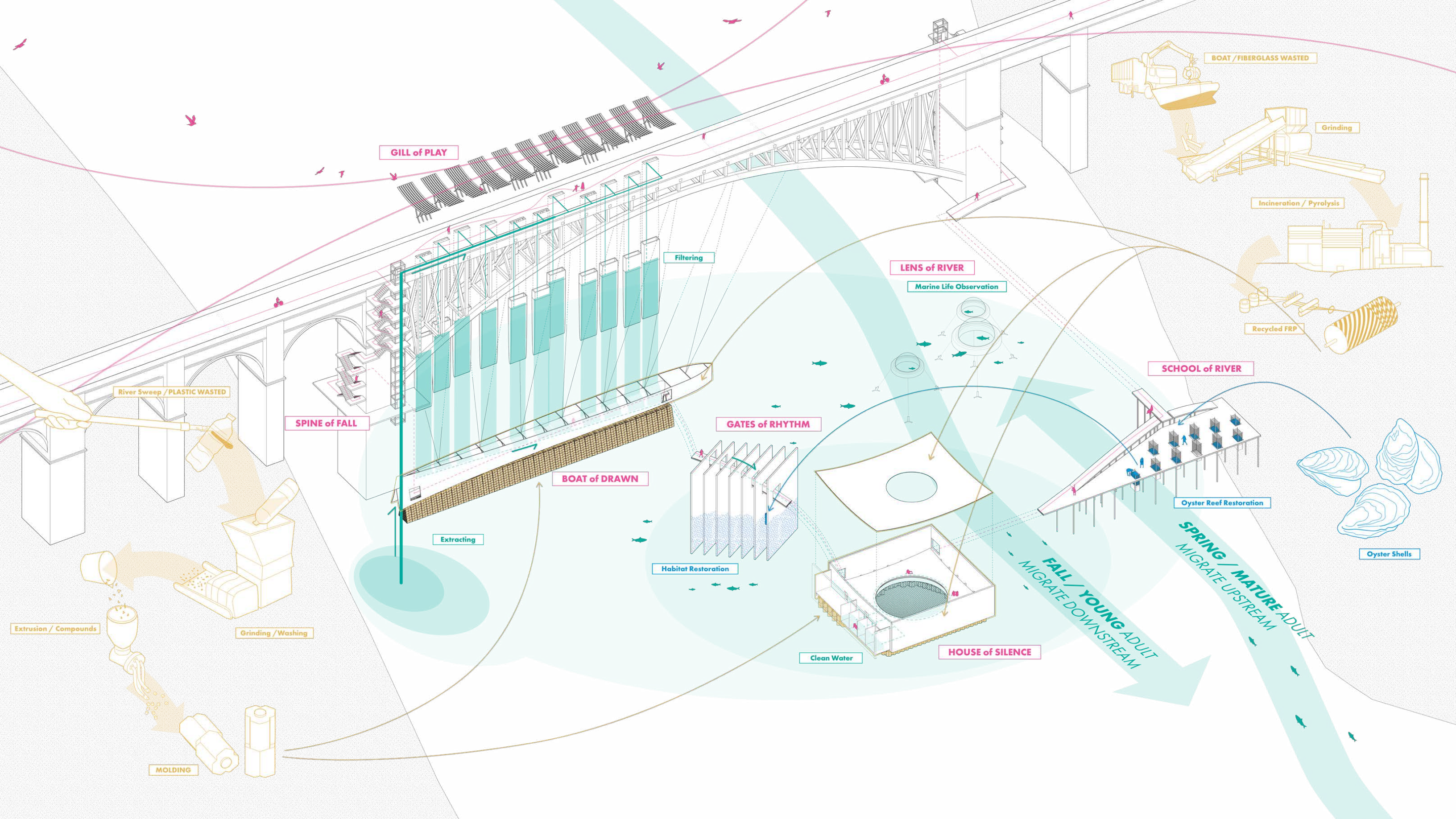


Water has the ability to heal our bodies. The balancing of the micro chemicals and organisms are relying on the transmit of water. Even the creation of life depends on it. By drinking, soaking, bathing, even birthing, water flows through our body and the environment.



The high bridge on the Harlem River, which connects Manhattan and Bronx, is the oldest bridge in NYC as an ancient aqueduct. However, the original function of the aqueduct is lost and also they closed the bridge for almost 50 years for safety issues. Until recent years, the bridge is reopened to the public. I found the two sides of the bridge are separate. The community is disconnected. The riverside is surrounded by traffic, with no direct access for the community to the water. This is the patient of my project, I want to use this water, to do the healing.

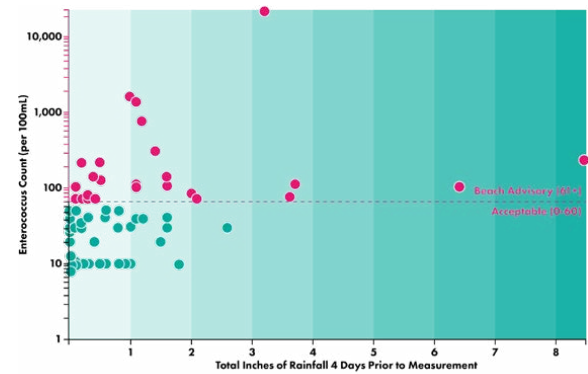




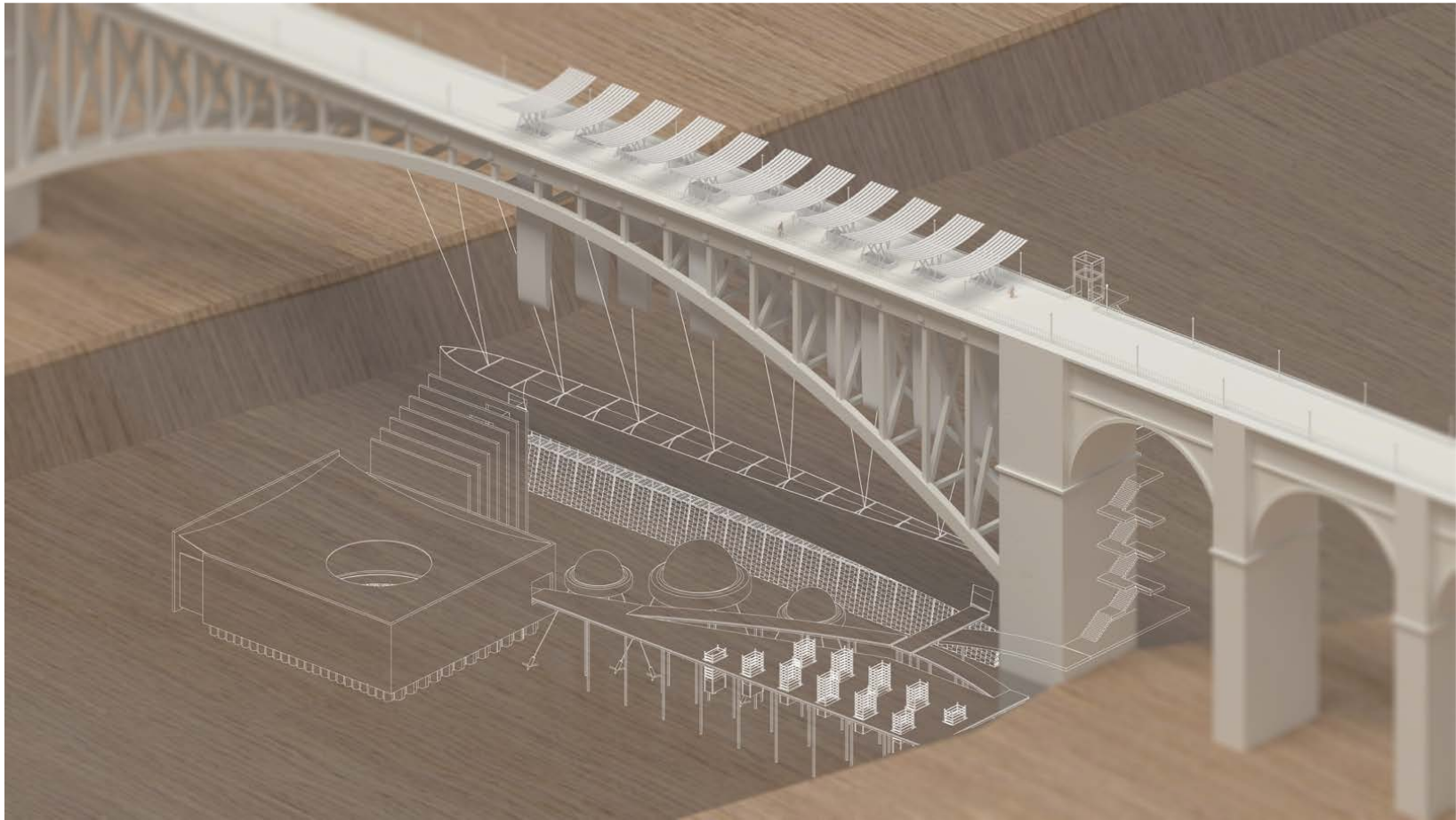
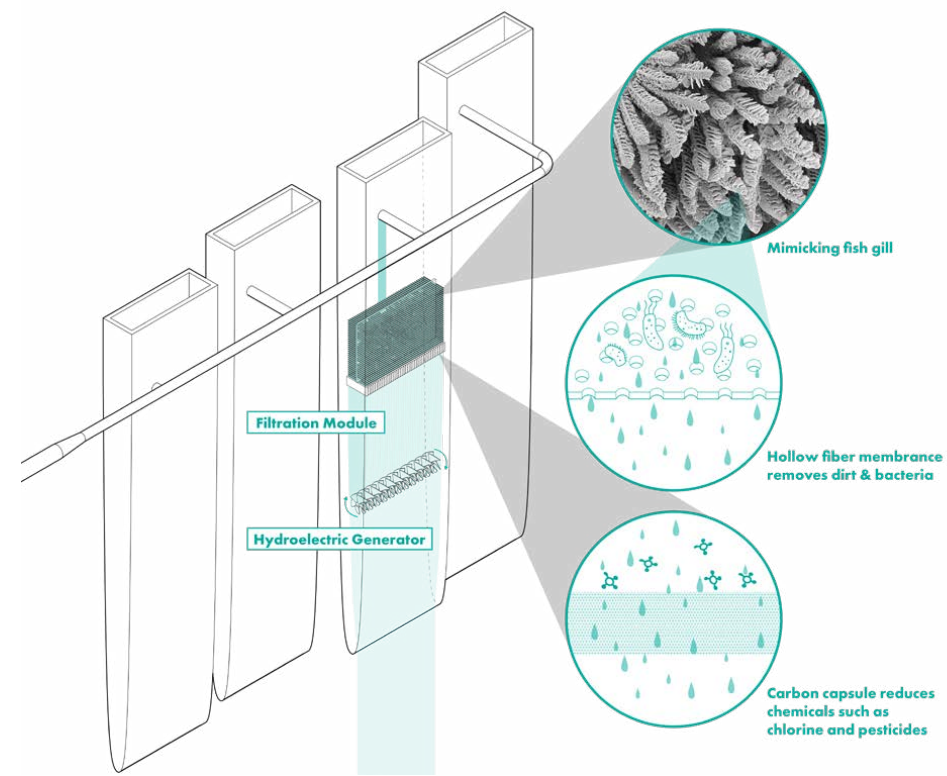
Through this metabolic system, working together, the individual human, the community, and the environment will be healed.

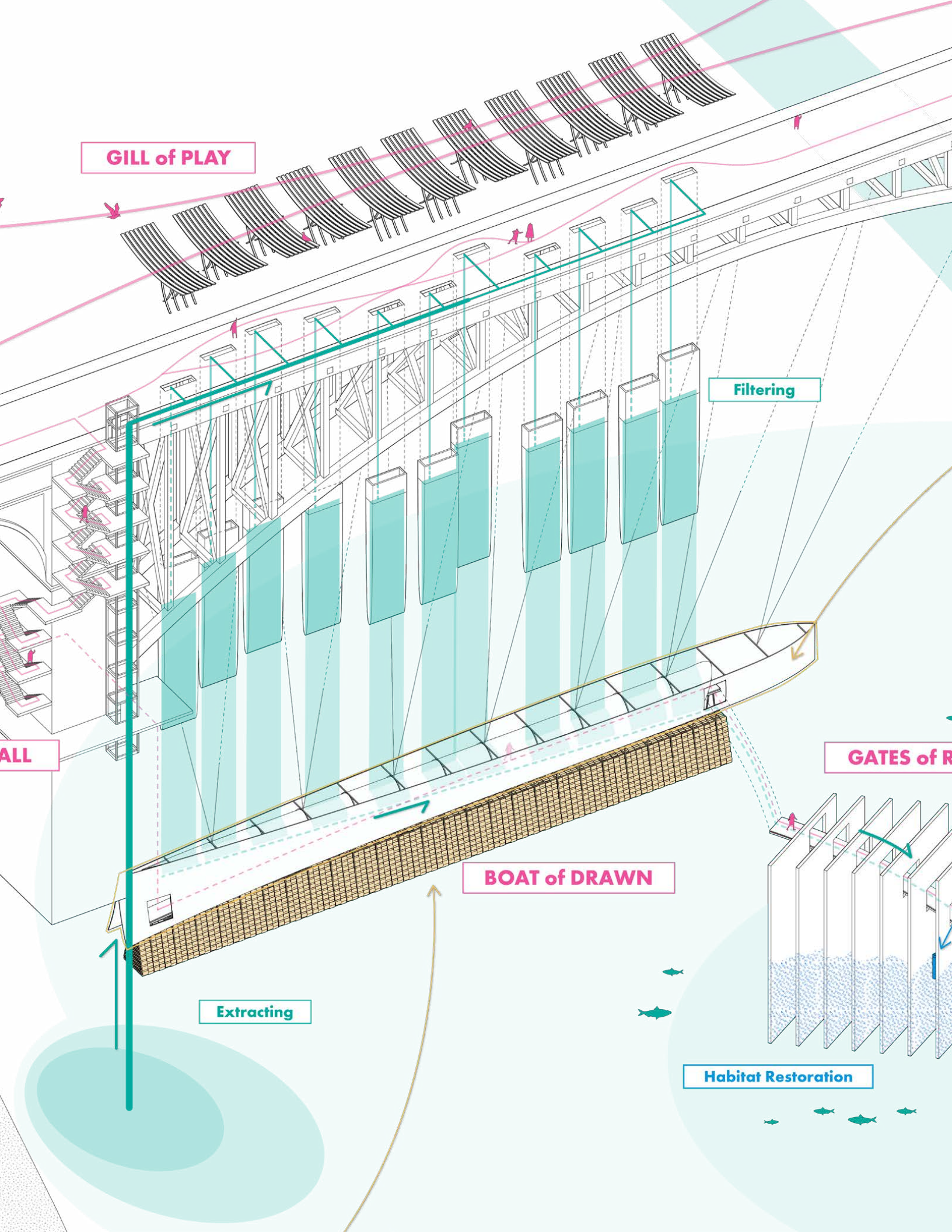
The GILL of PLAY

For water filtration and create encounter space for pedestrians and birds. It not only create encounter point for the community, but also cleaning the river, create a waterfall.



27% of river samples are contaminated, especially after rain
* info from Andrew R.juhl, principal investigator of
Lamont-Doherty Earth Observatory





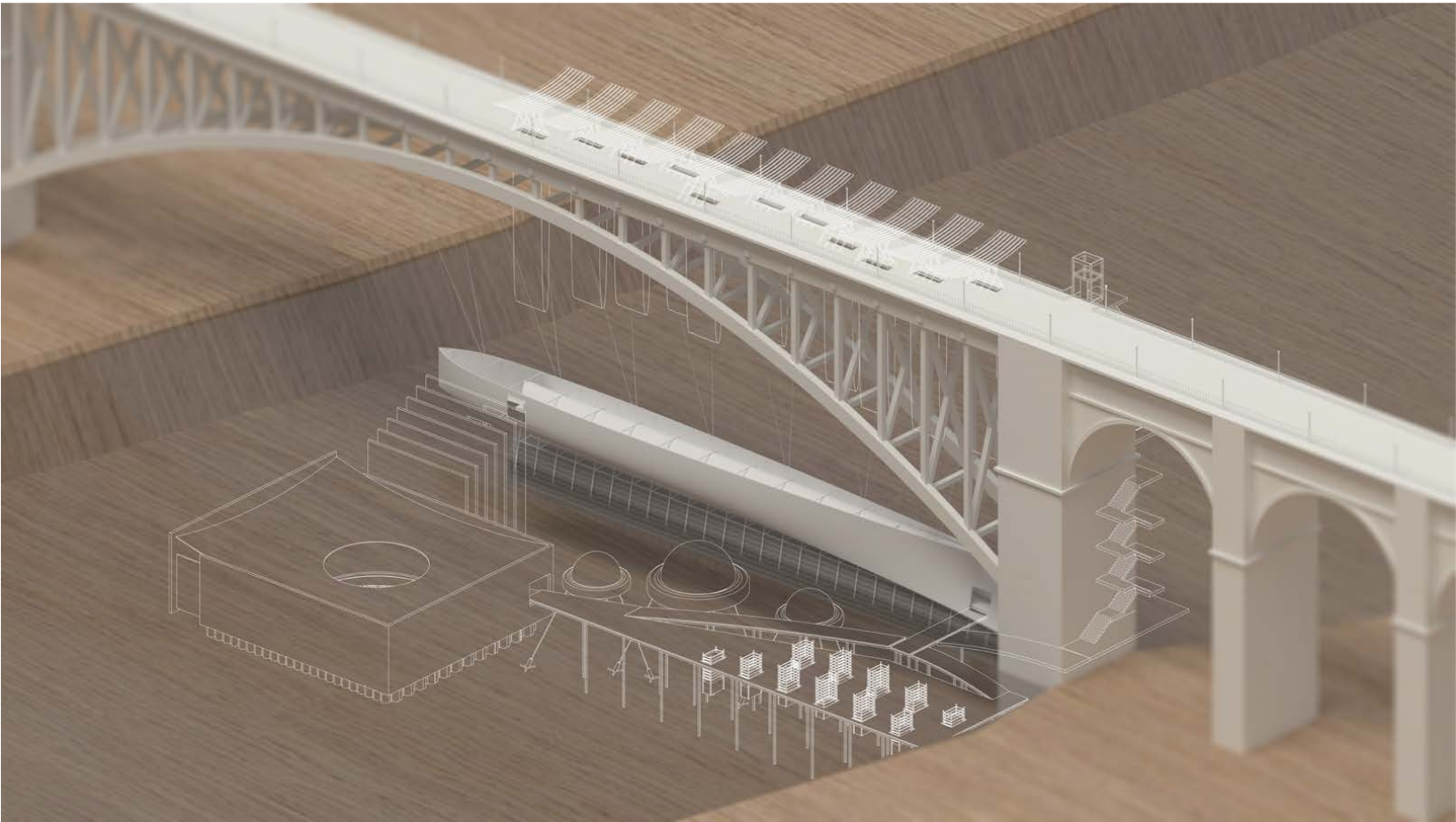
When you walk on the bridge. These "GILL" provide space for people and birds to stay and collecting rainwater from the water filtration modules under the bridge.

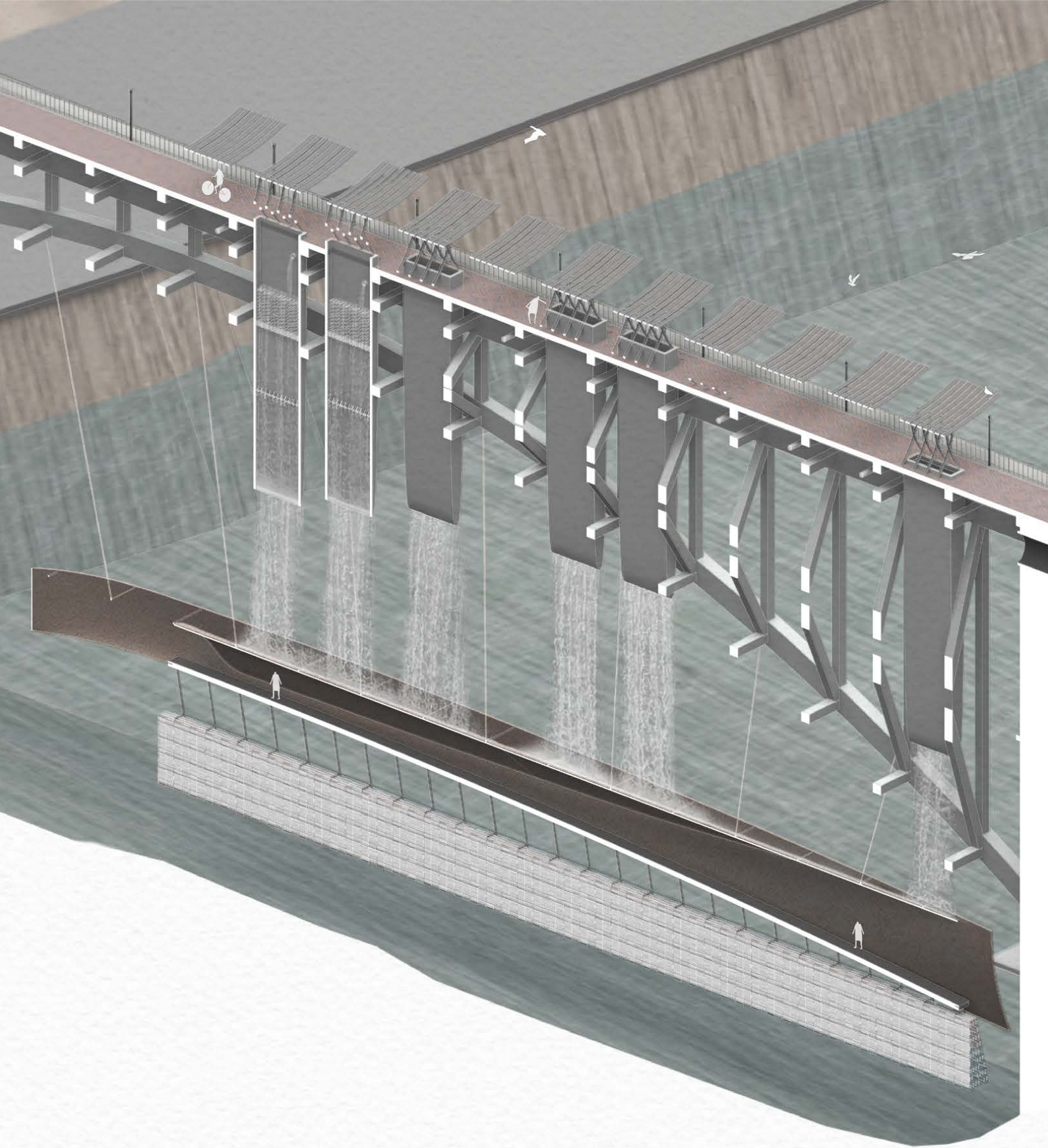
The BOAT of DRWAN

A transcend walkway, hanging from the bridge and floating on the river, wash over people's mind, taking them from the noise and pressures of their life.

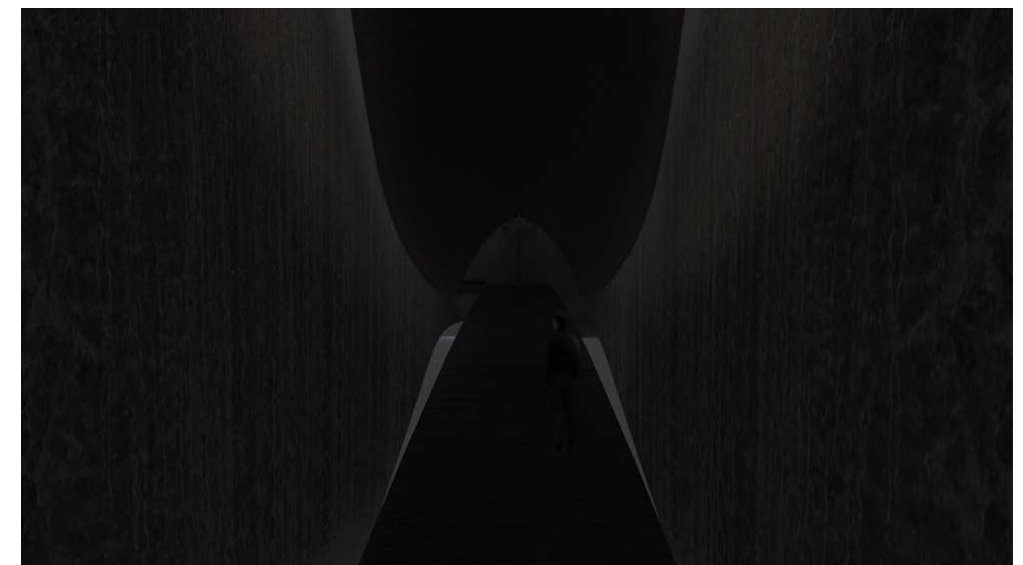


Architecture creates a feeling that we almost feel likable to perceive the inside of our skin, providing an inward vision. Imagine the cosmo and us shared an intangible connection. At some moment, standing under the sky is like being inside yourself. This inward vision is created through the resonance of our inner being to the environment.





Walk down to the riverside and see the water fall from the GILL, drop on this BOAT, making the roof of BOAT trembling.



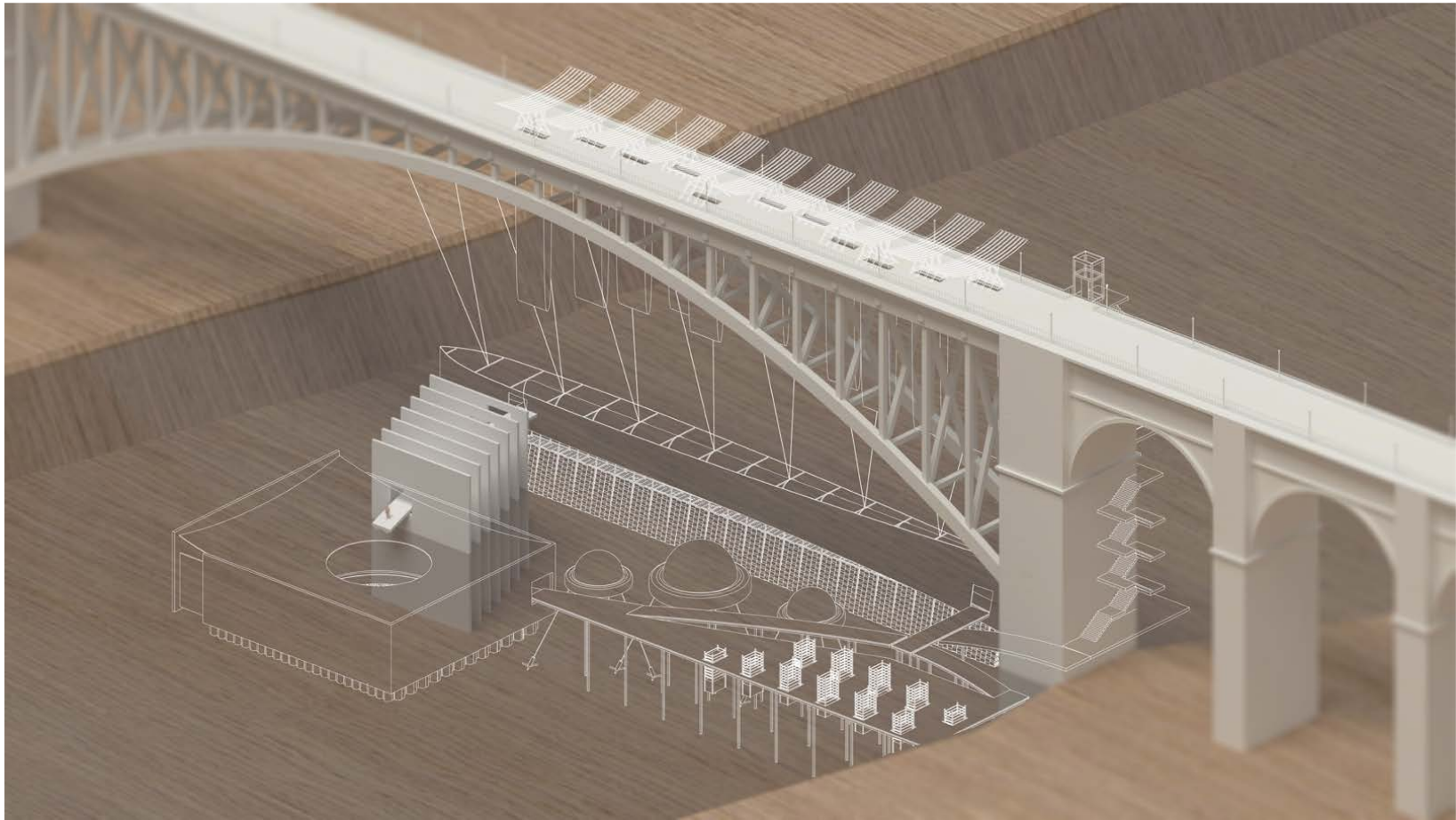
Step in the BOAT you can hear the sound echoing, floor moving, you sense will be overload but we have to keep walking forward. Until a moment your body adept.

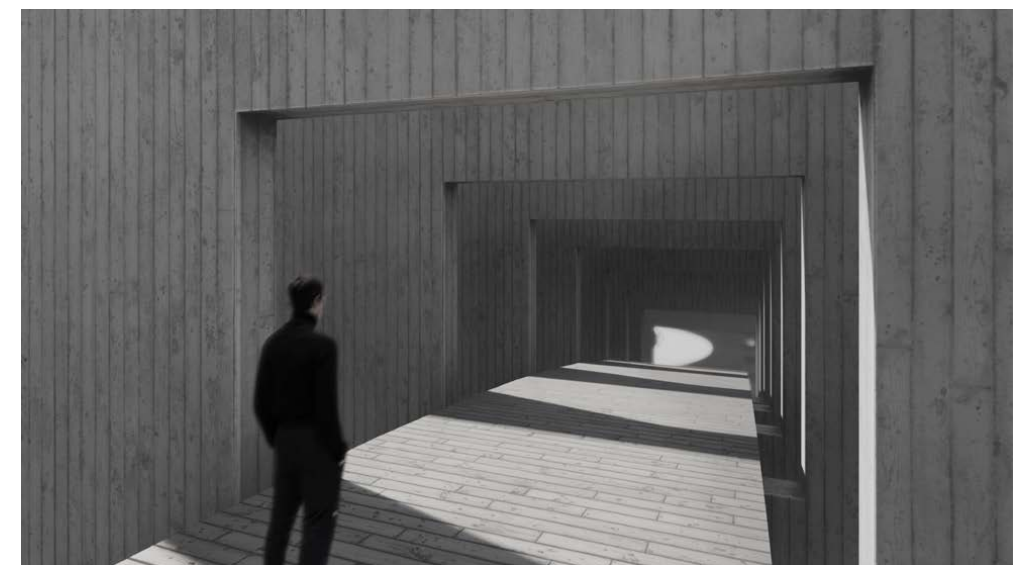
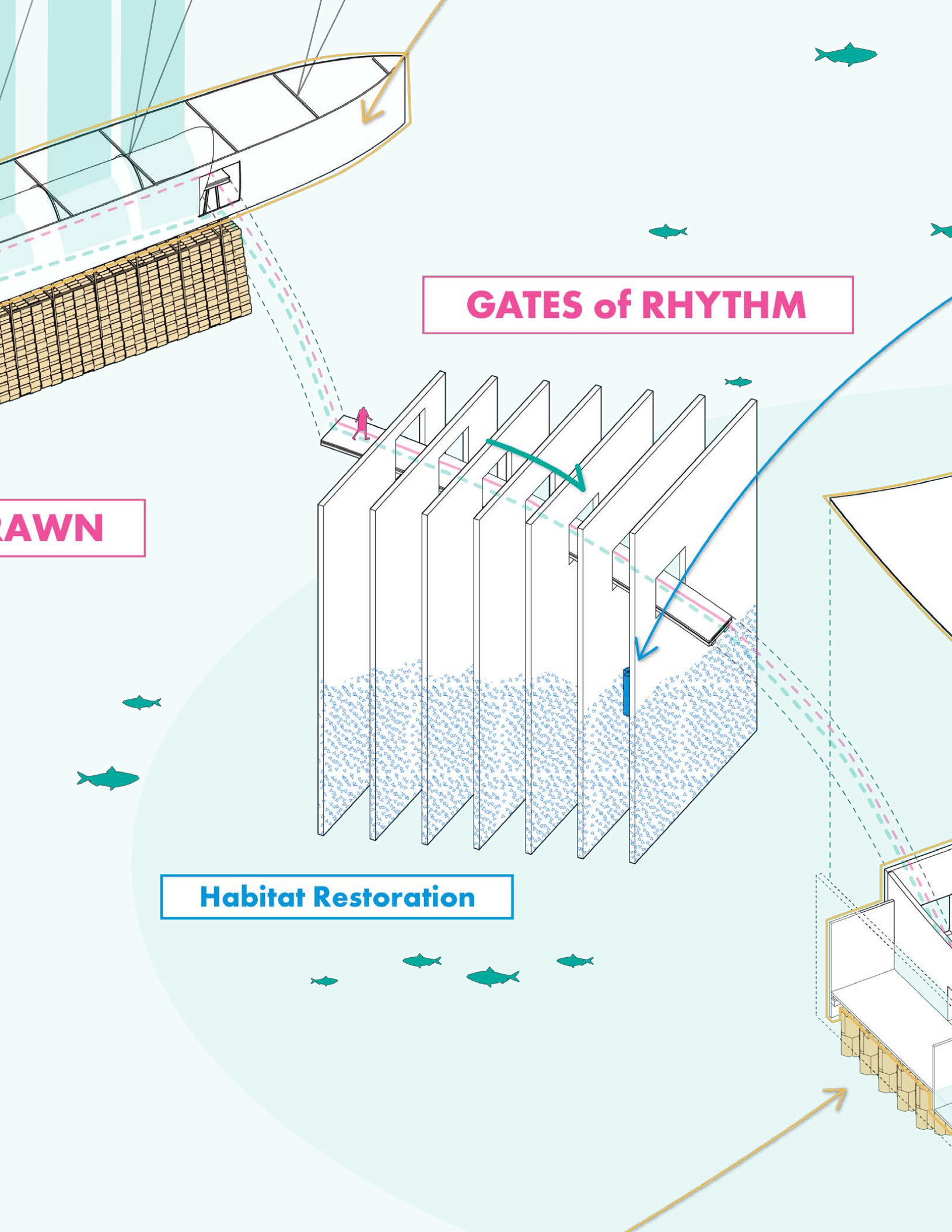
The GATES of RHYTHM

A series of walls, its resonance to the rhythm of your movement.
The walls are so close which not allow you to see the sky or the river, draw you get closer to the water.



I call the process of experience “transcend ”. It starts with overload our senses, until a certain moment it brought us into a numb emptiness. Our inner being response first, from this internal resonance, we sense our own being and the environment through the external tremble.

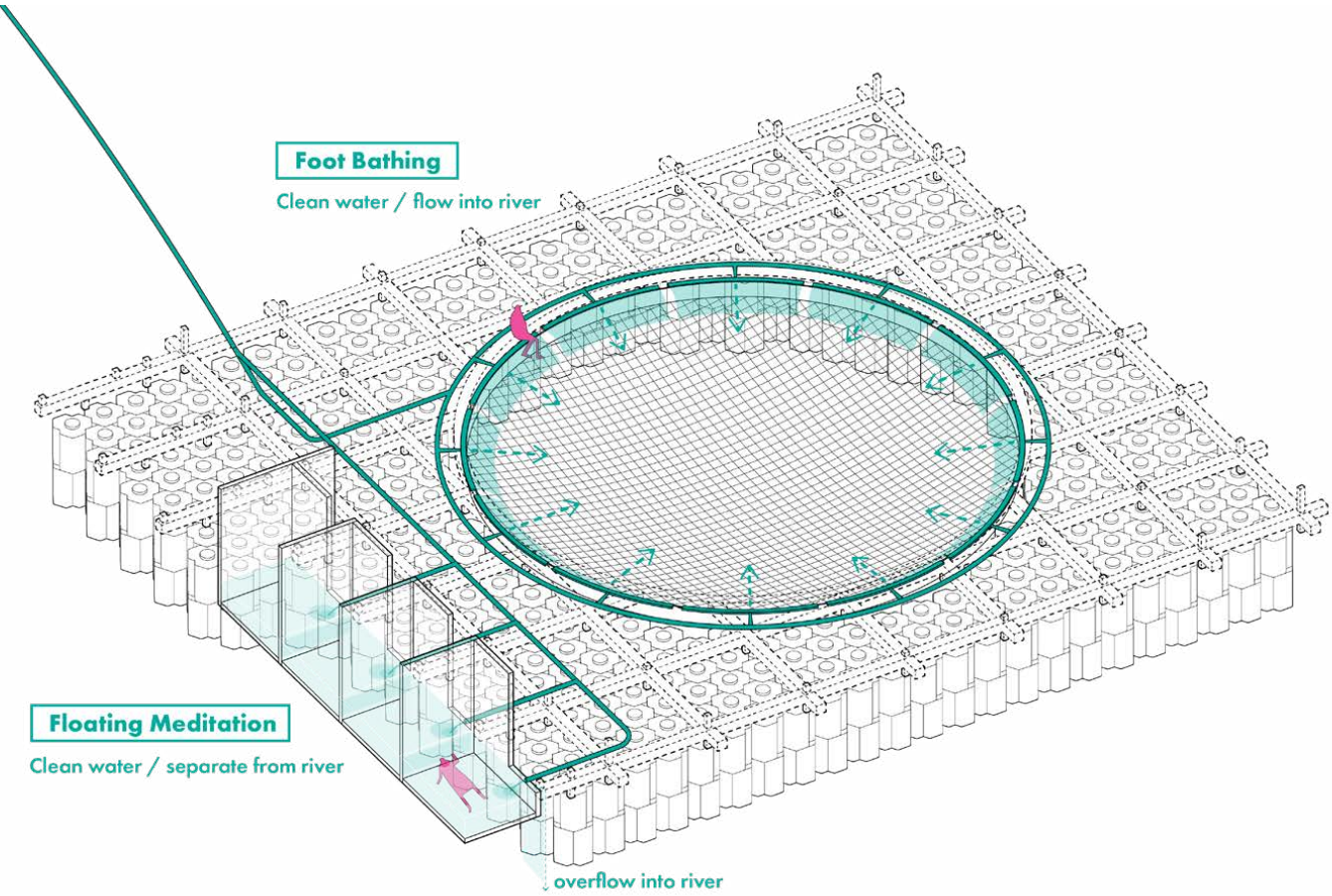




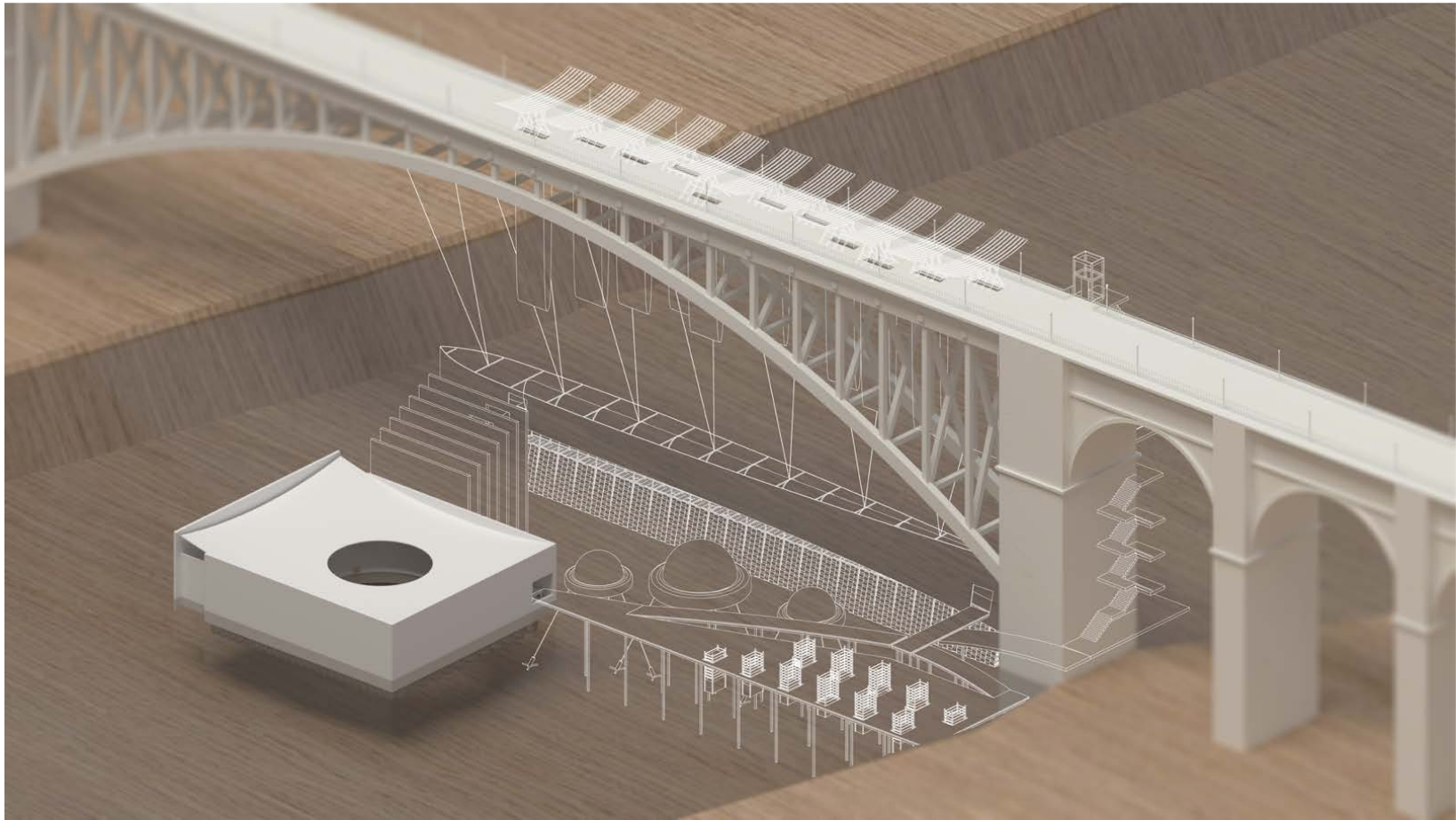
Walking out from the BOAT, entering a series of walls, its resonance with the rhythm of your movement. The walls are so close which not allow you to see the sky or the river. Guide you just simply walk forward.

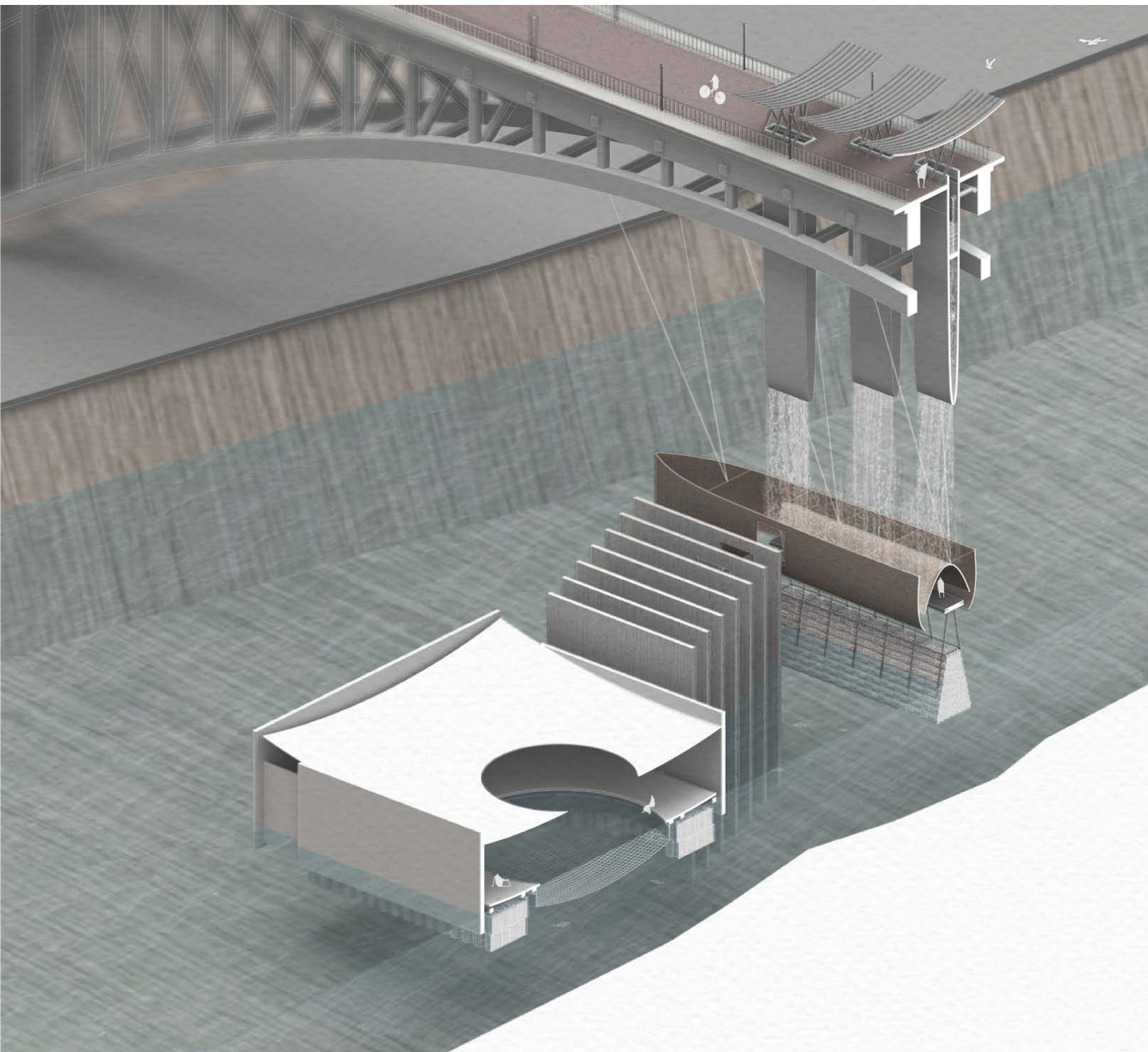
The HOUSE of SILENCE

The House is where you get clean water and distanced from noise. The bowl-shaped roof bounces out the external sounds from the internal space.



The processed water, is clean, flow into the HOUSE of SILENCE, Part of them flows into the river for foot bathing, Another part of them flows into separate chambers for floating meditation.



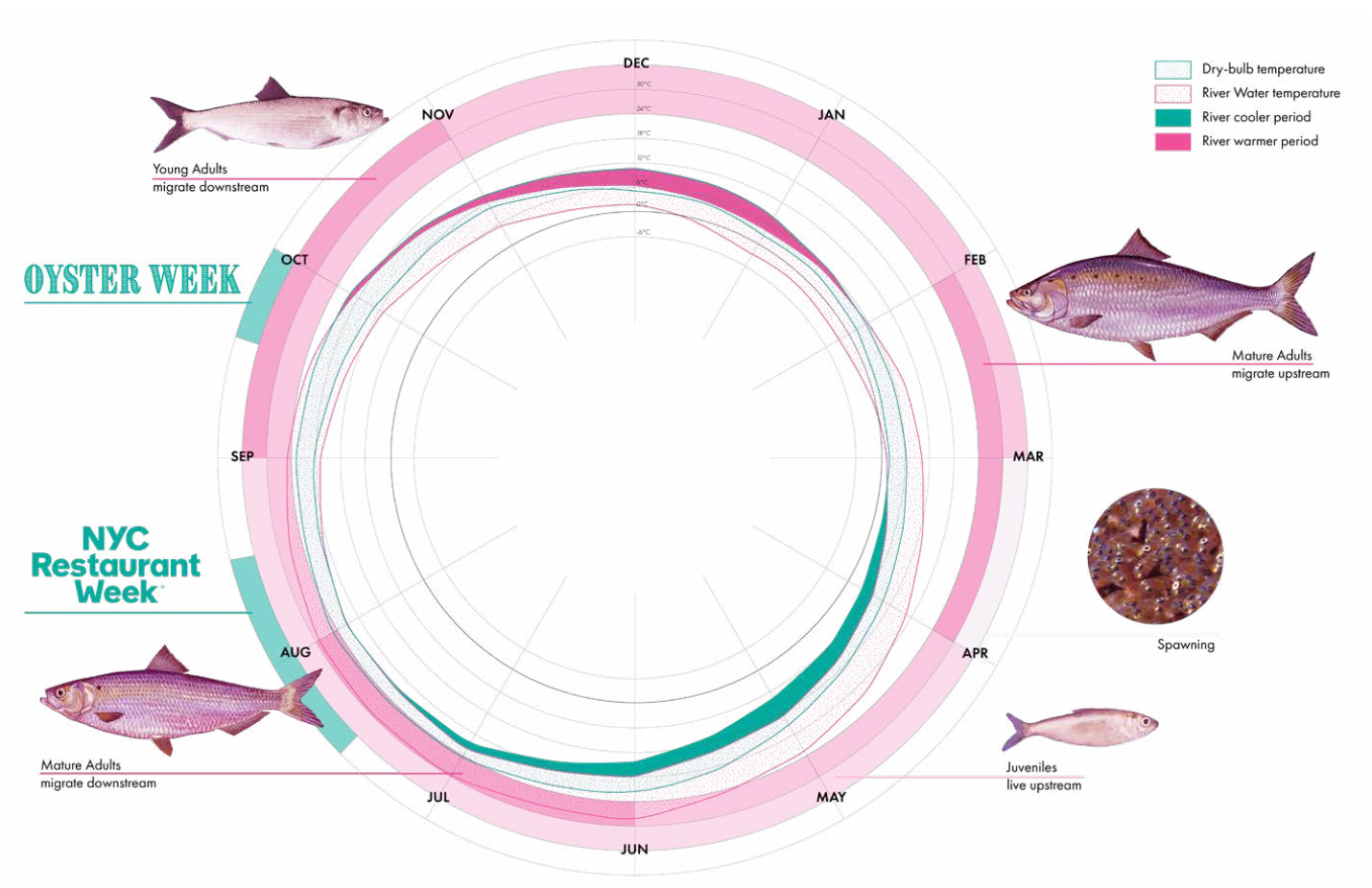


The HOUSE of SILENCE, formed by fundamental geometry. It's here we find your inner peace. You can Take off your shoes, Find a spot on a slightly tilted floor to sit. Have your feet soak in the river, enjoy the sky, share this moment with birds, insects, fishes.

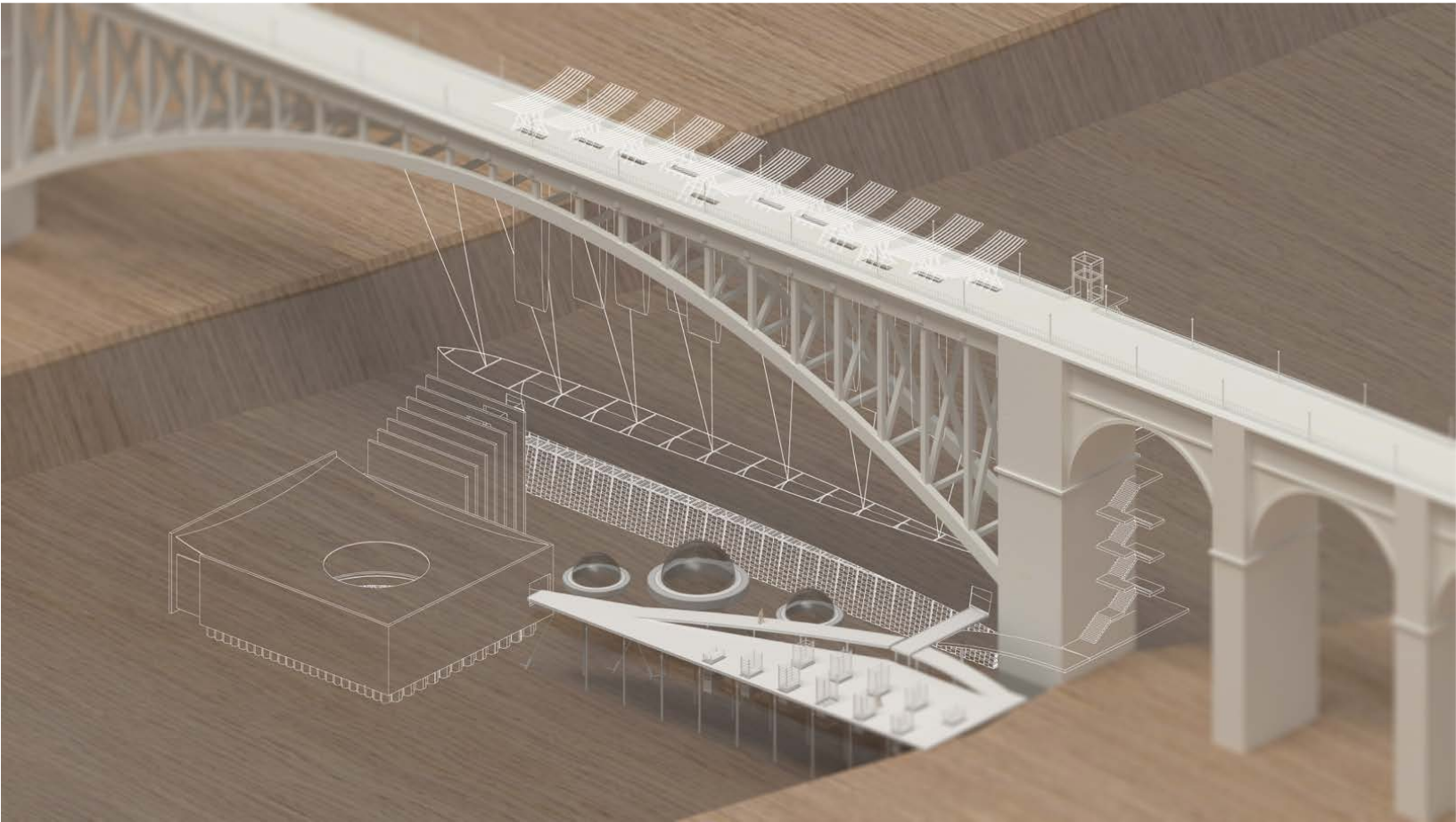


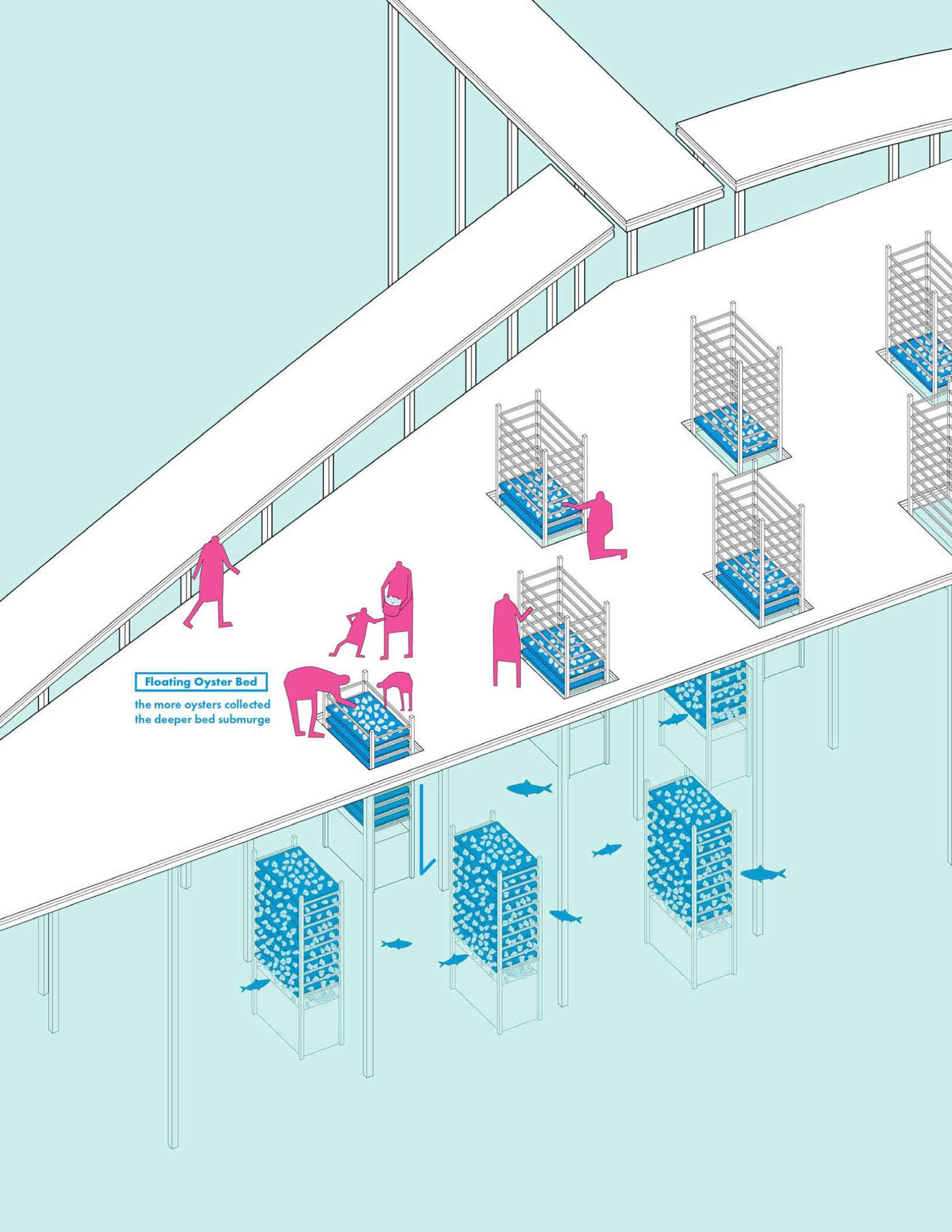
The SCHOOL of RIVER

For oyster reef restoration and marine life observation. Hold all kinds of fish counting events, in migratory seasons, teach the young generation about this story.

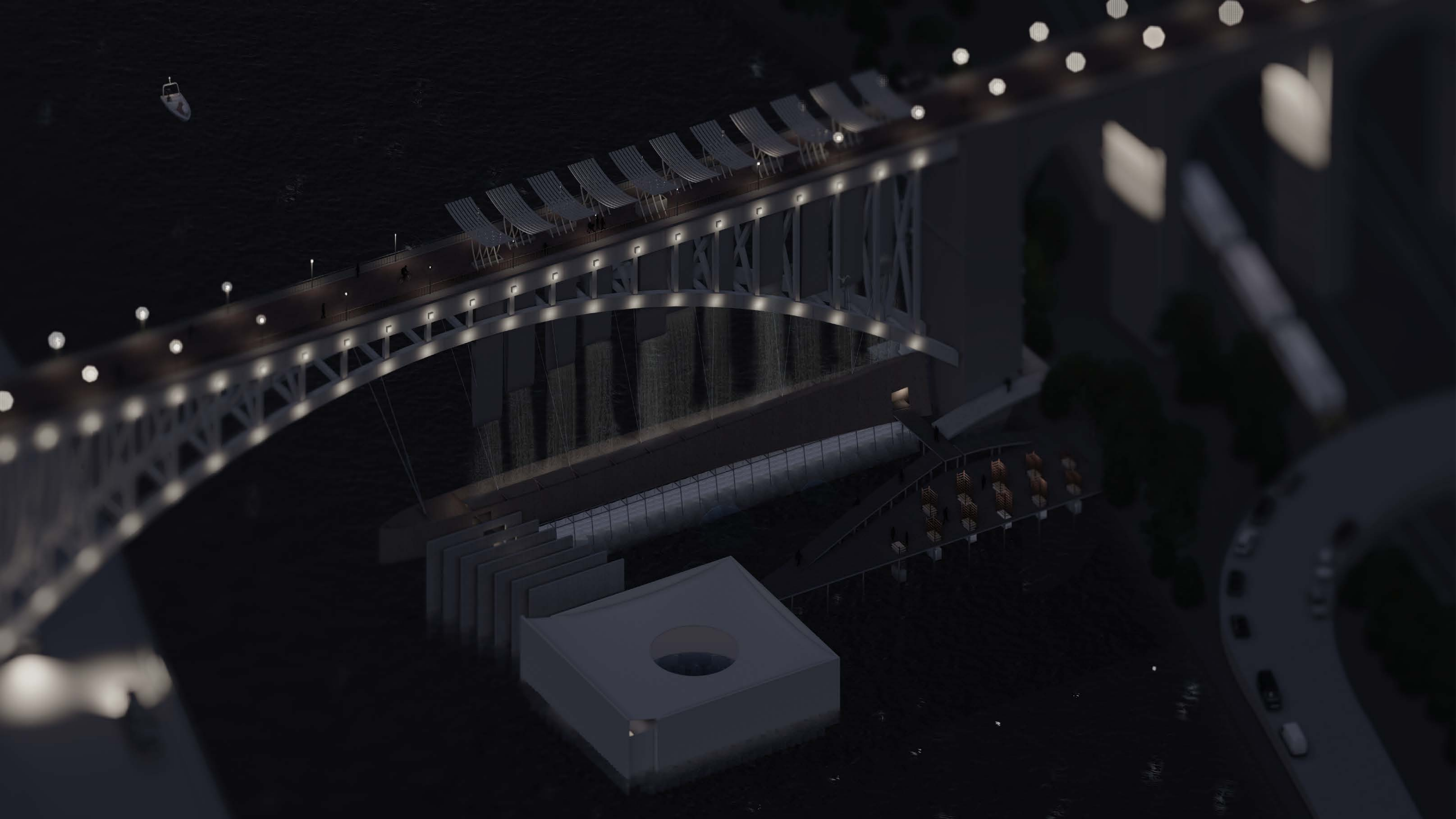


With the consult to the prof. Jackman from RIVERKEEPER I learned that oyster reefs play a key role in habitat restoration. The SCHOOL of River provides a platform for this. By collecting oysters from the nearby seafood restaurants. With the migratory patten and city restaurant events. We could hold some big events during spring and fall. And occasionally smaller events the whole year.

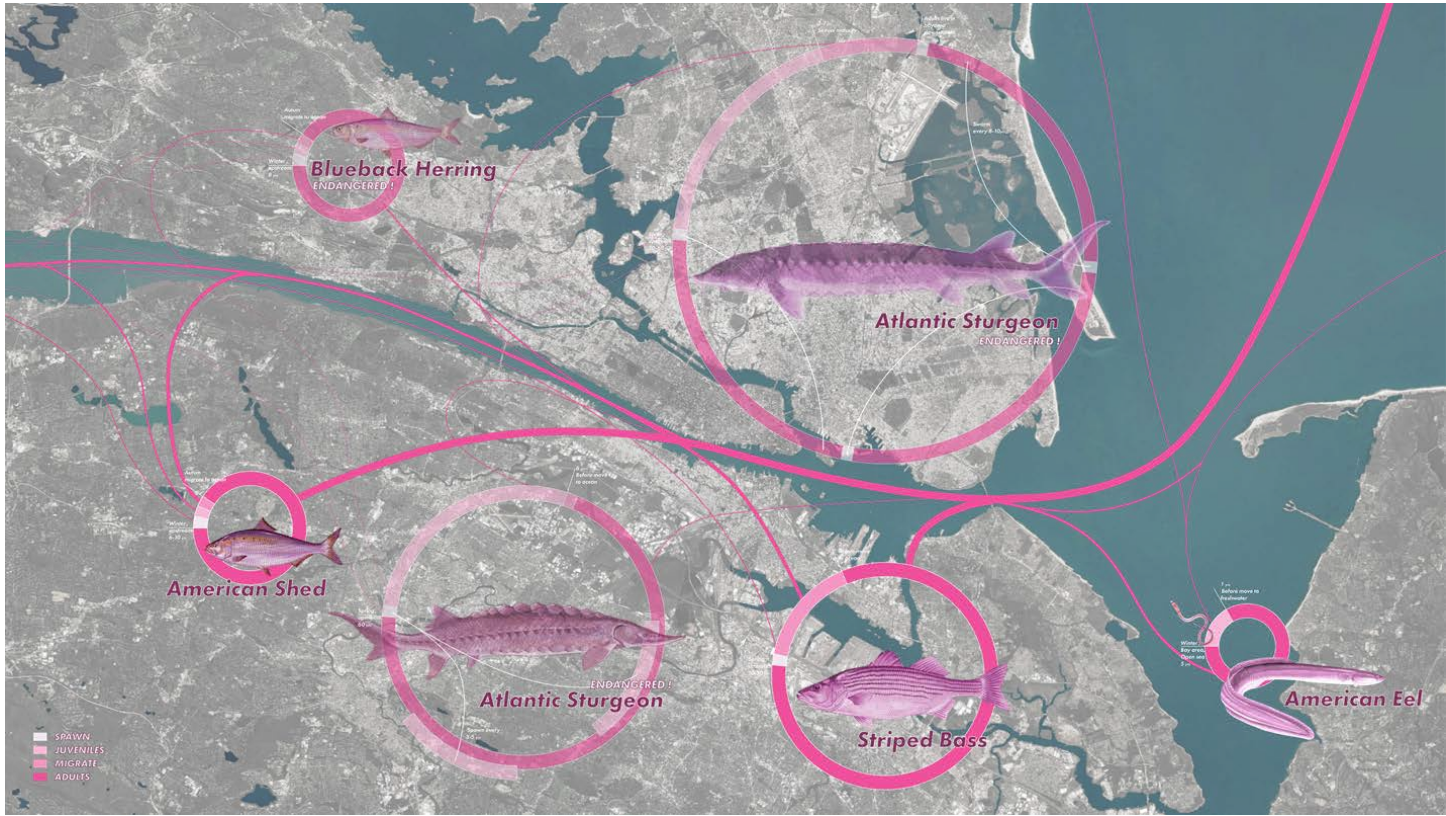




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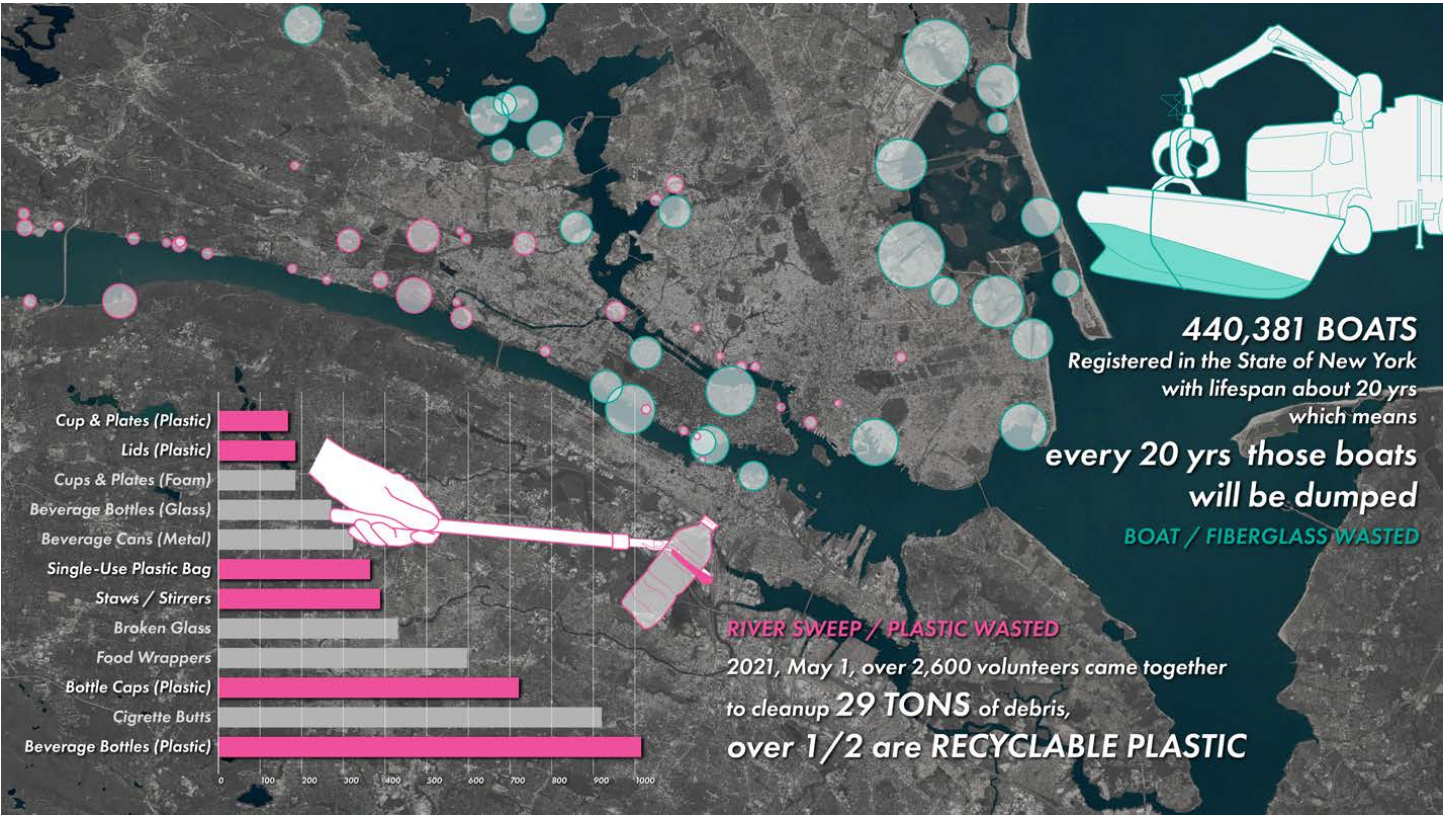
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Hudson River is an important passage for many migratory fishes. Most of them migrate upstream for breeding and when they grow mature migrate downstream to the ocean. There used to be so many species here, but because of overfishing and habitat damage, only two species allow for commercial fishing today. Many of them are endangered,



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Plastic and fiberglass cause quite an environmental problem in NY. There are 440 thousand boats registered in NEW YORK STATE, with a life span of about 20 years, This means every 20 years, there are a huge amount of boats waiting to be dumped. According to the river sweep this year, they collected 29 tons of debris, half of which recycles plastic. In the neighborhood of this site, they collect 48kg from 3 locations. This recyclable plastic, can be reused after a series of process, I mold them into hollow plastic bricks. With 410 volunteers in just 1 sweep, it can collect enough plastic for my project.

