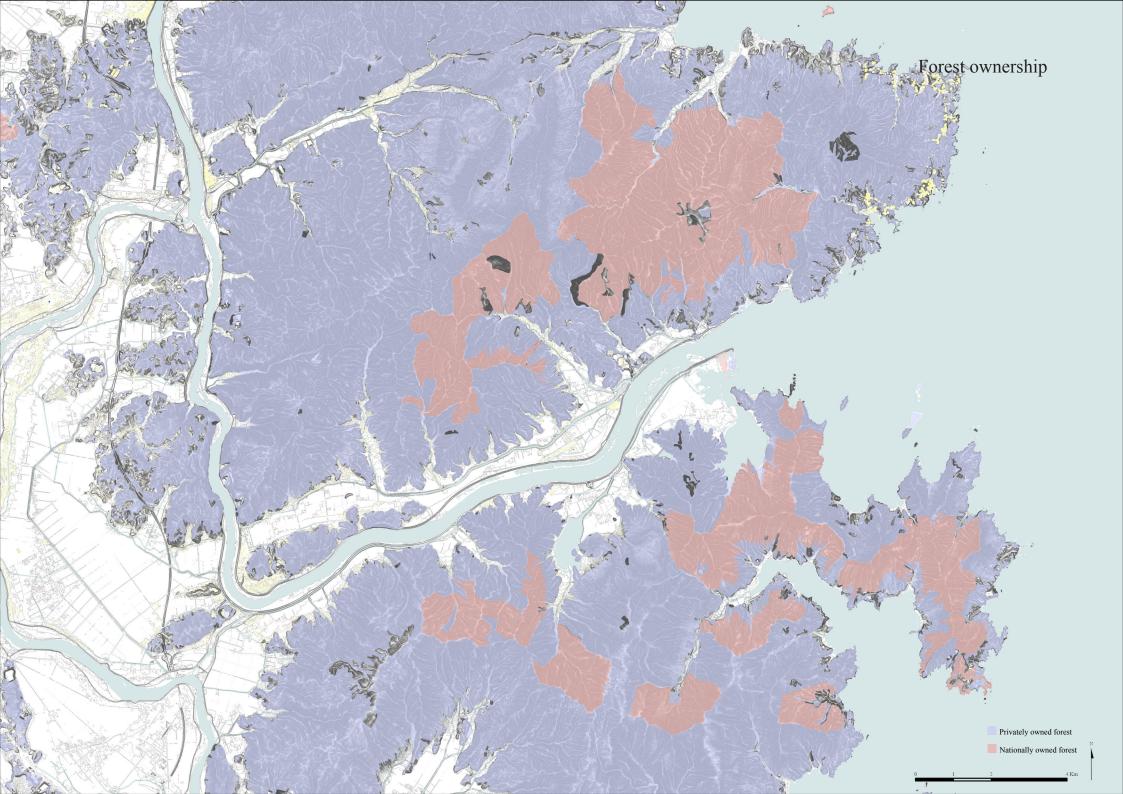
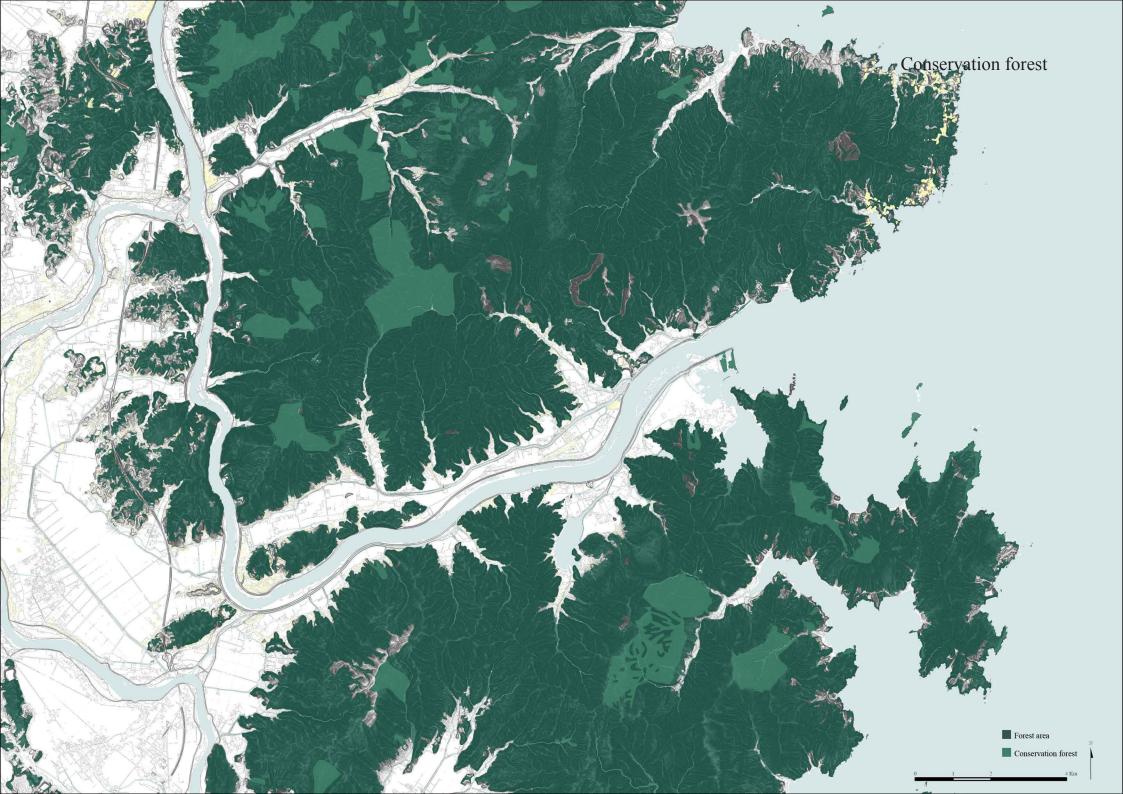
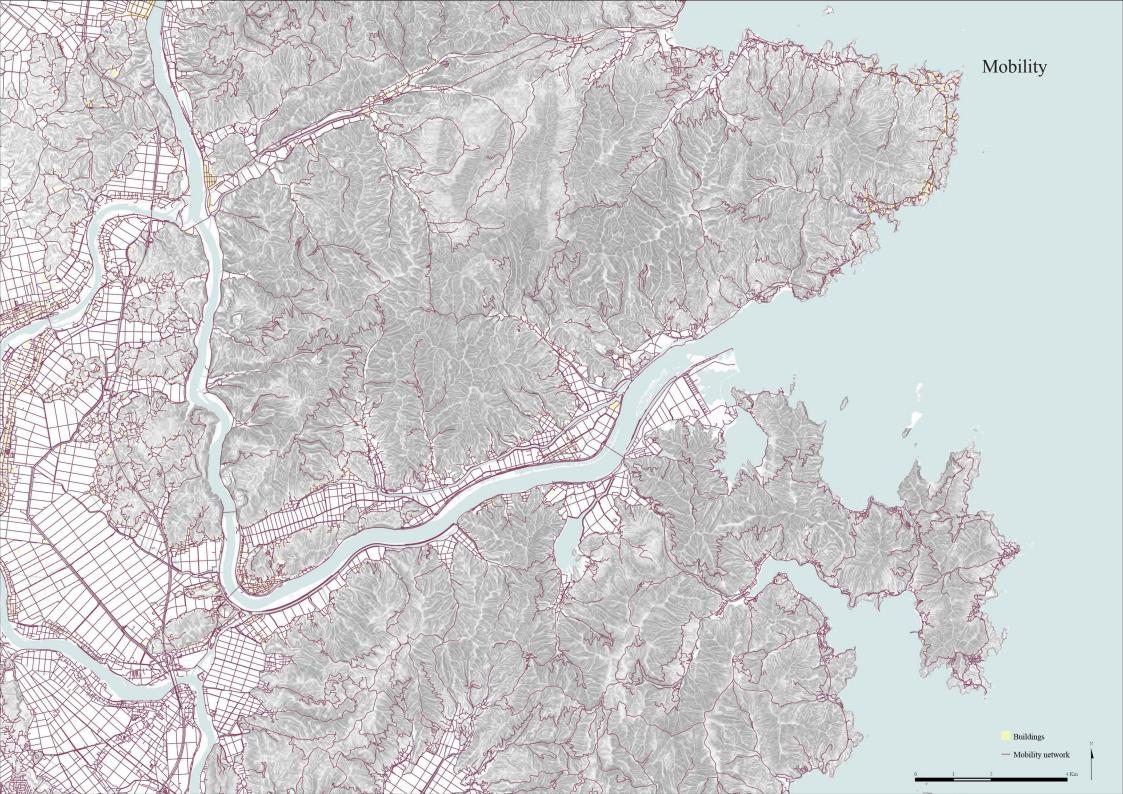
The fluid garden of Kitakami Process booklet

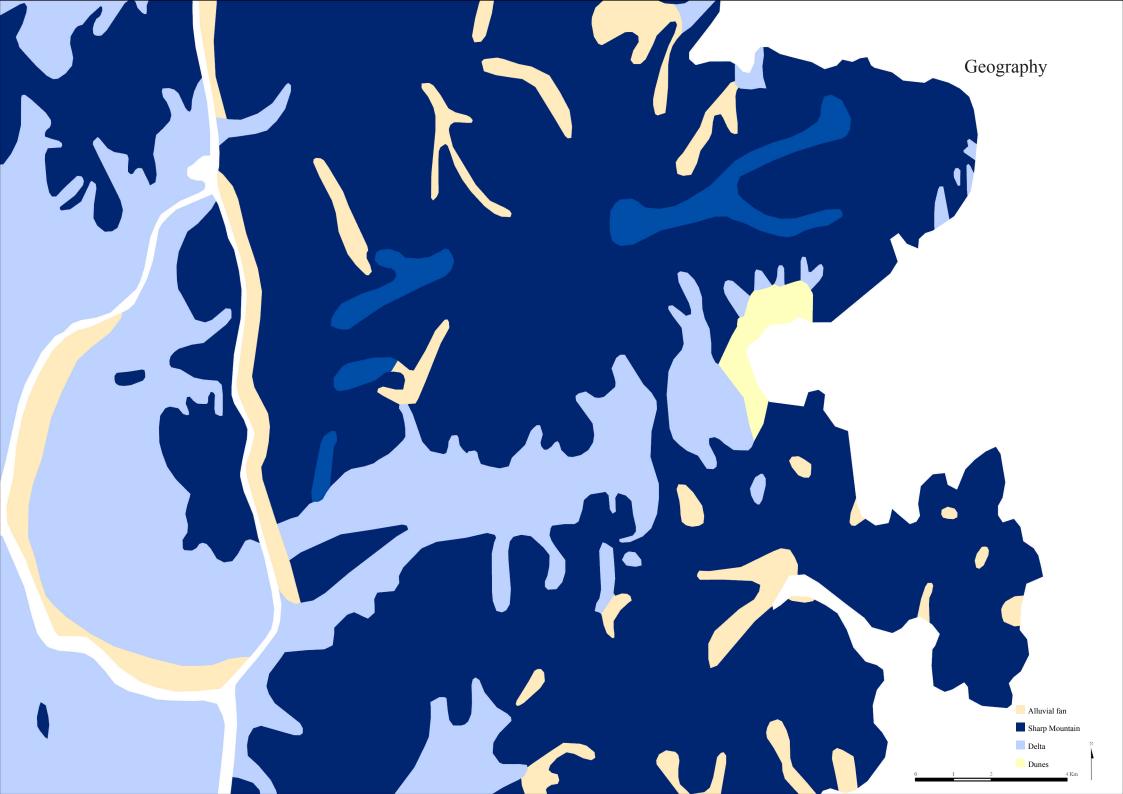
Shizuka Miura

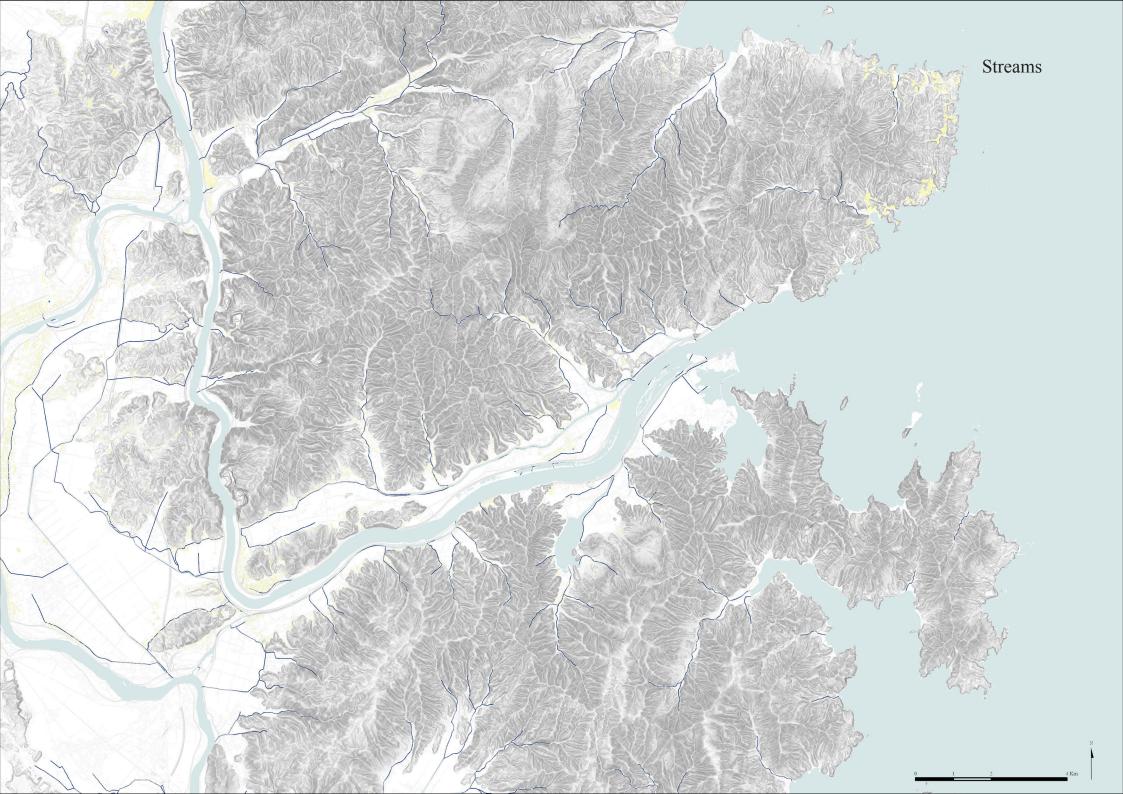
Analysis

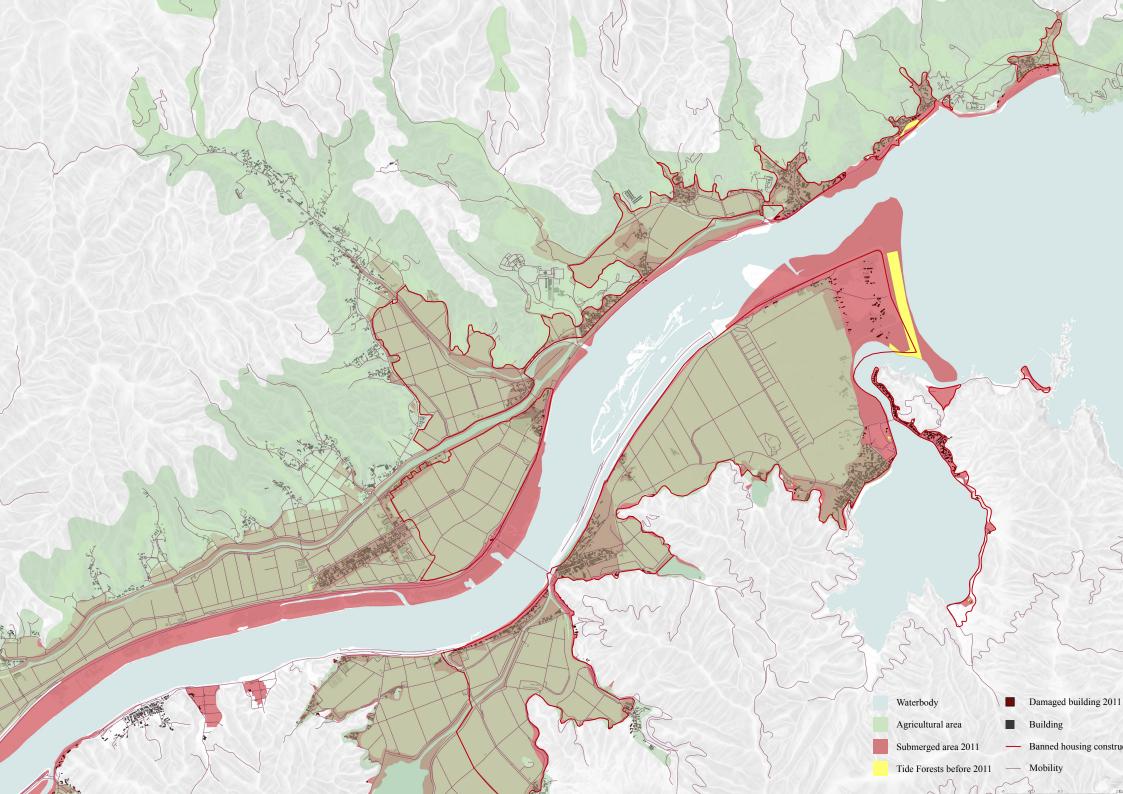


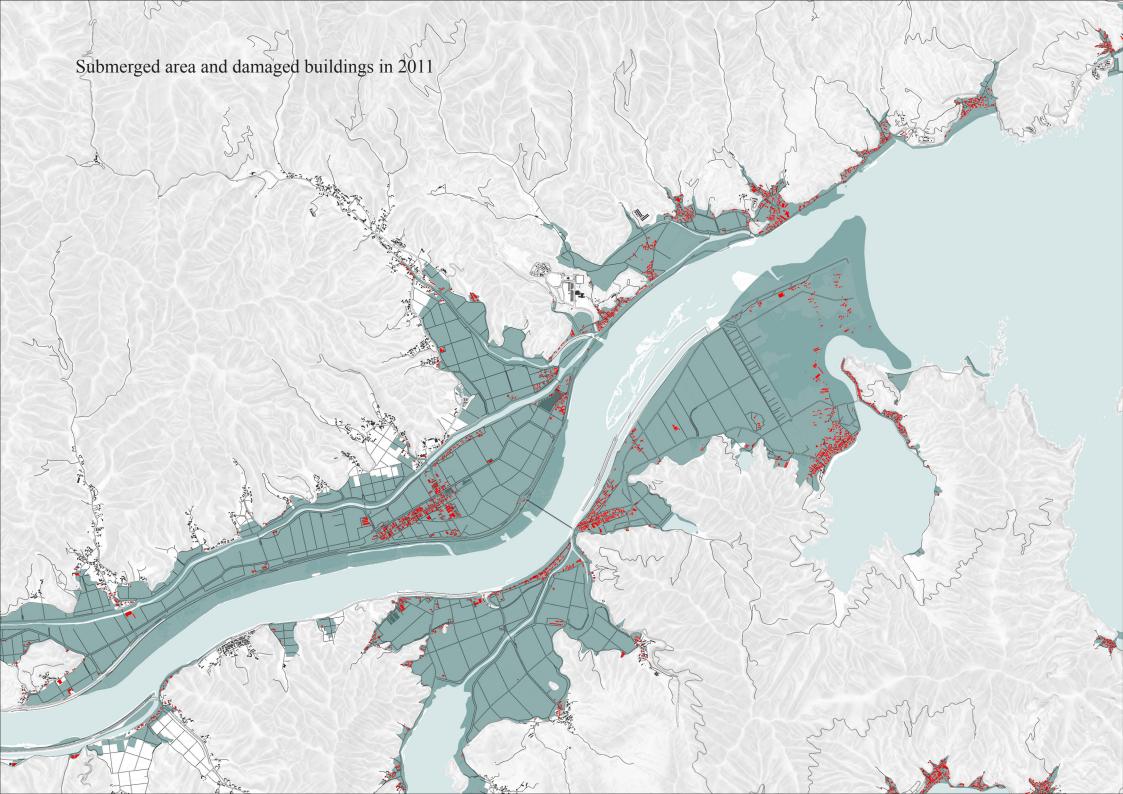


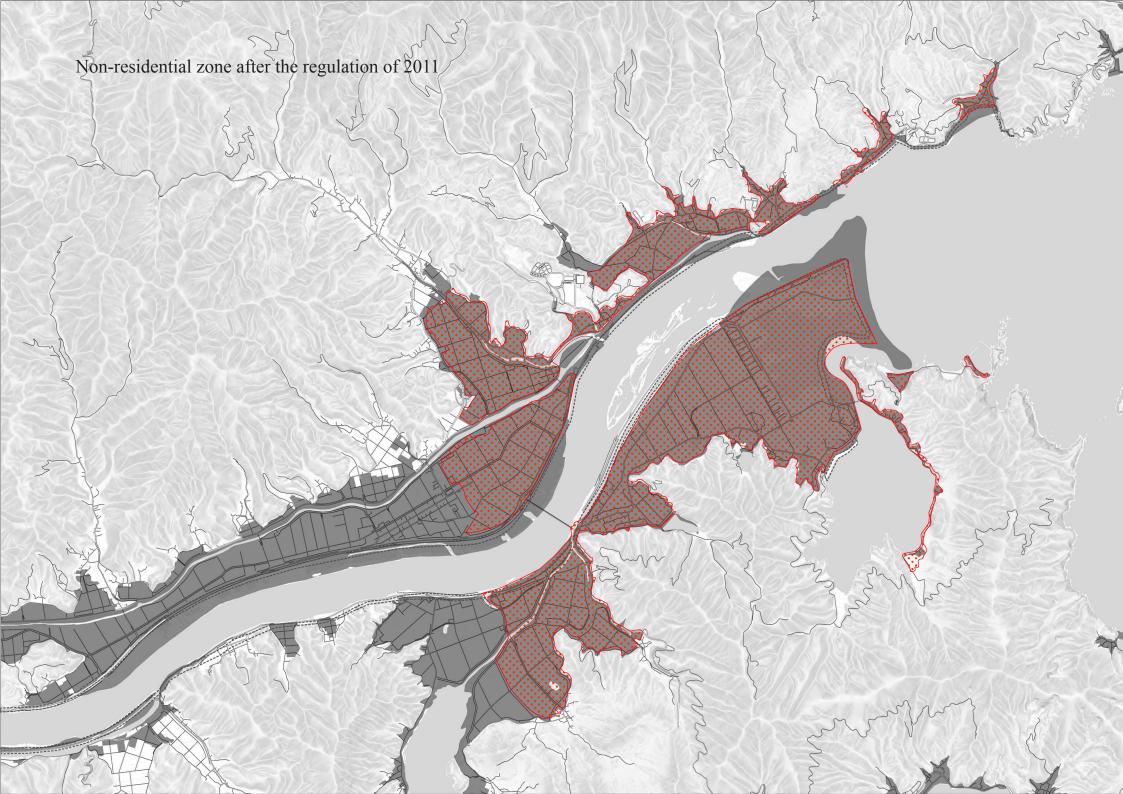


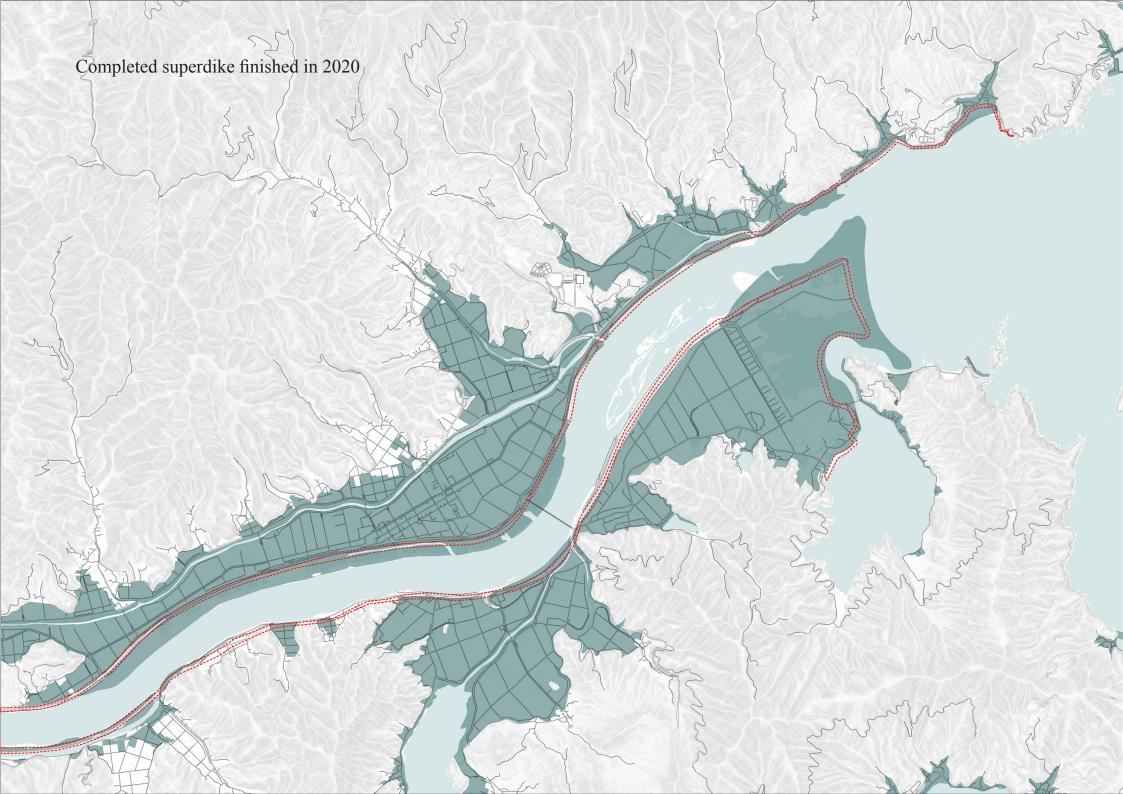


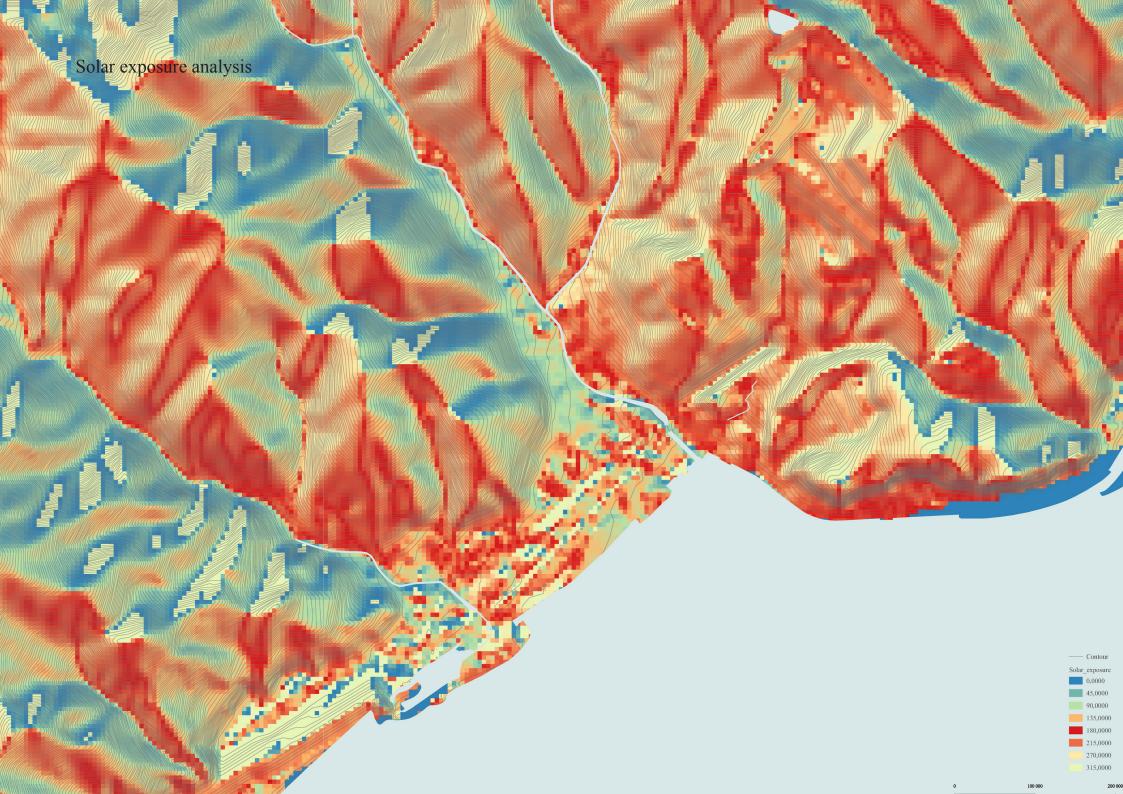


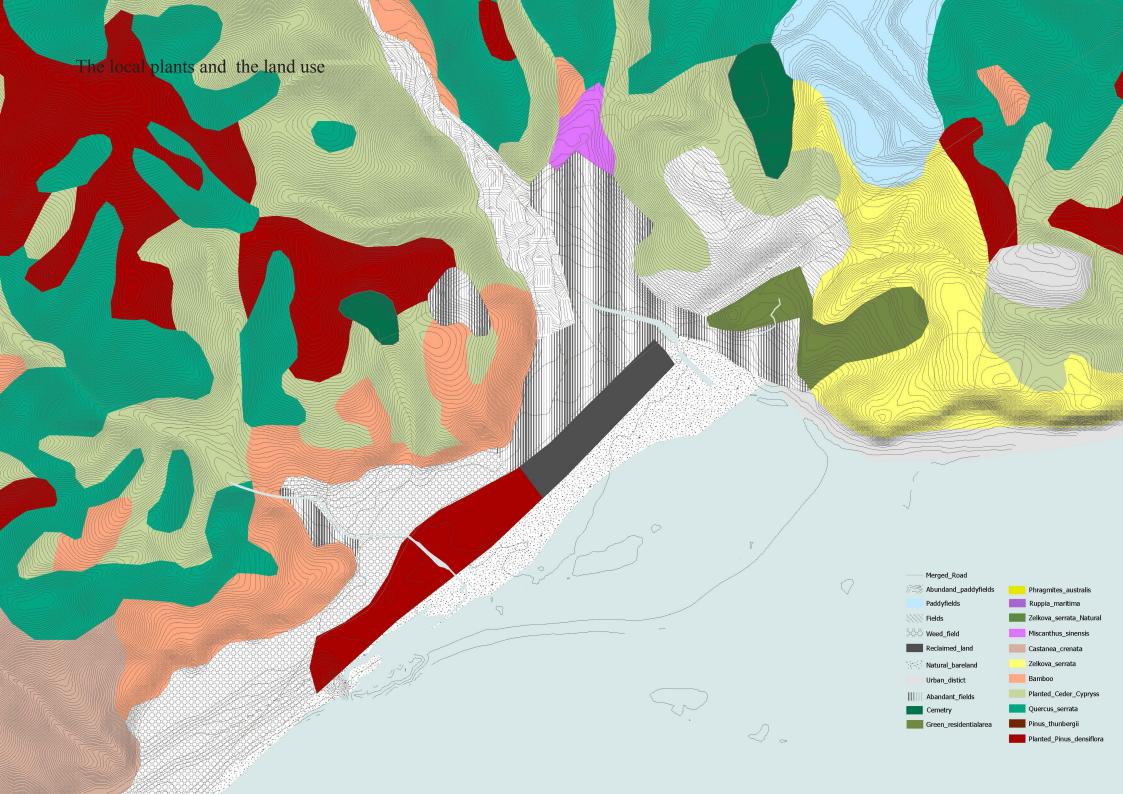


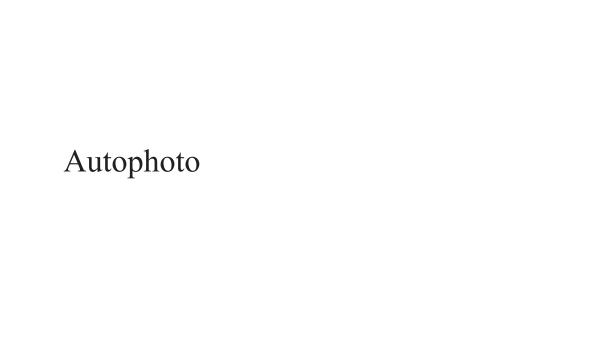














The forests in the area were cut down as resources after the postwar period. People replanted the trees that grow today after the war in a limited number of species, and not much of their original appearance remains. This single tree species, mainly cedar and cypress, has caused the mountains to lose their ability to retain water and has changed the water quality flowing from the mountains and the river ecosystem.

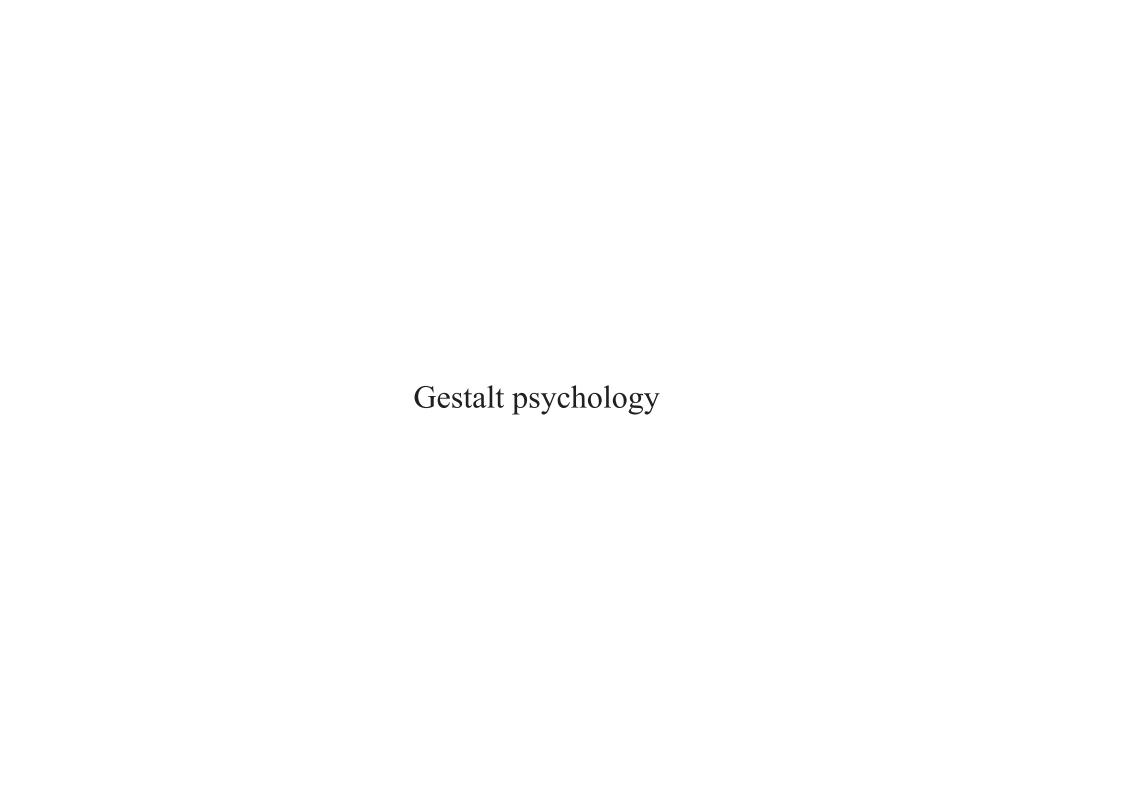


If the hills are used for monocultural agroforestry, the valleys are used for agriculture of rice.

The rice fields are destroyed by salt water, which means that when the tsunami hit Kitakami, the crops were damaged for several seasons as it took years to clean the soil. In this image you can see the saltwater covering the fields of Kitakami right after the tsunami.



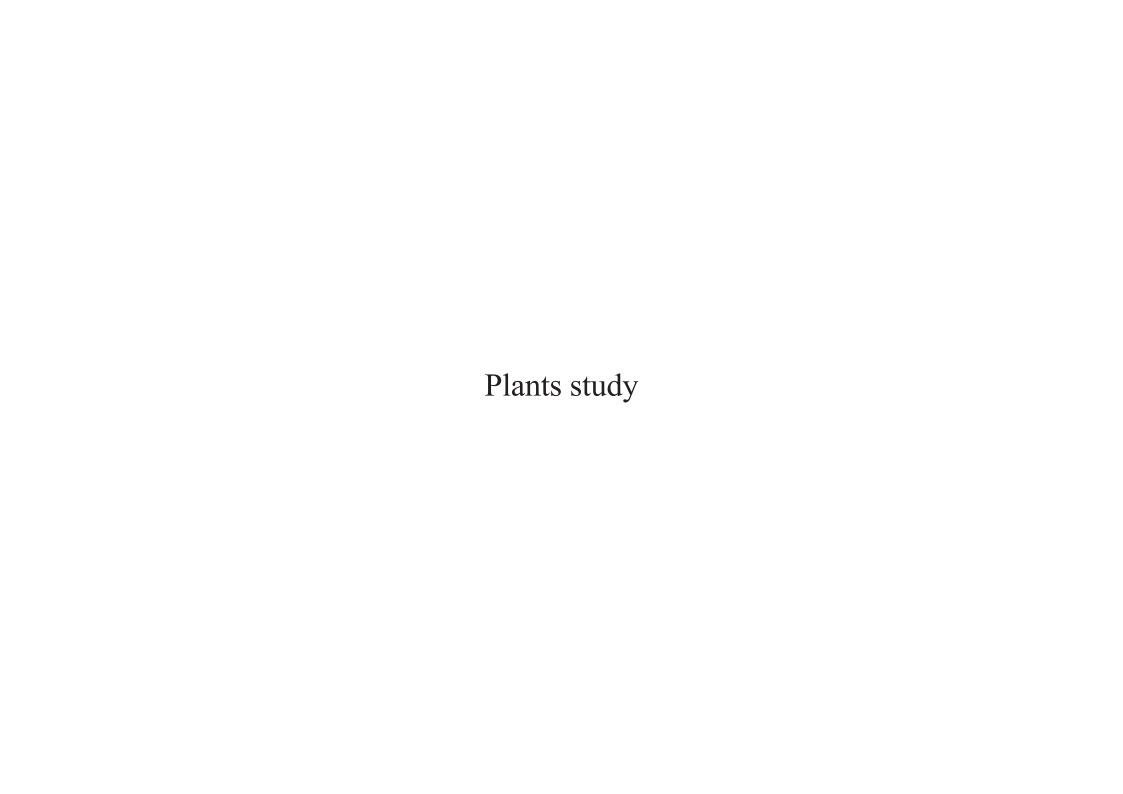
The government regulation prohibited living people around the area; however, since there is a non-residential zone, its land use is still undecided.











Phragmites australis - The common reed habitat

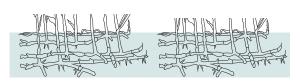


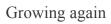
A characteristic feature of this area is the reed habitat that extends into the river.

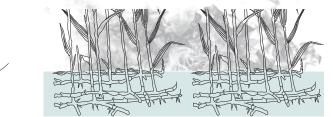
These common reeds, especially those grown in brackish water, are favored as a durable roofing material for traditional Japanese buildings in the local industry, which especially be an revenue producer during winter when the rice farmer's slacks seasons.

The plant itself, works to purify the water quality to exclude nitrogen or phosphorous in the water. In summer, the grass grows up to 3 m tall, and in winter, it is cut down. Remained stems were burnt for the next season to promote the growings of next season. However, in order to expand the plant's habitat, people's annual maintainance is essential. The locals have already established beautiful reciprocity between those natural features of their surroundings. The reeds are highly valued in the region for their economic and scenic reasons.

Summmer to autumn Winter N = NitrogenCut down P = Phosphorous



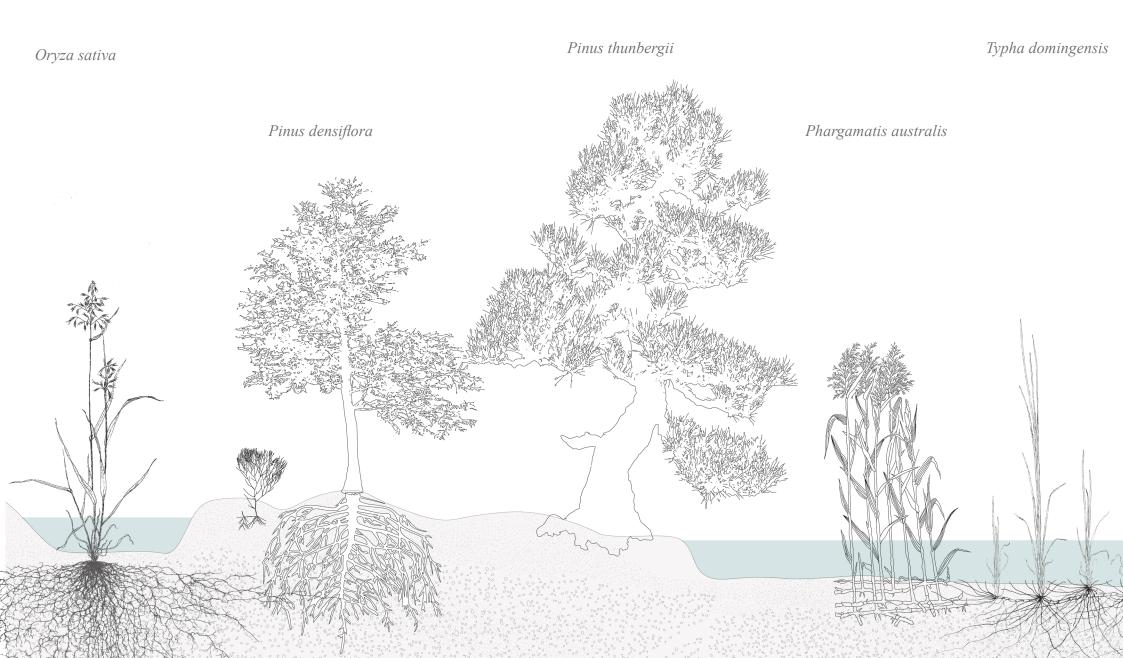




The remained stems burnt

## Sweet water plants



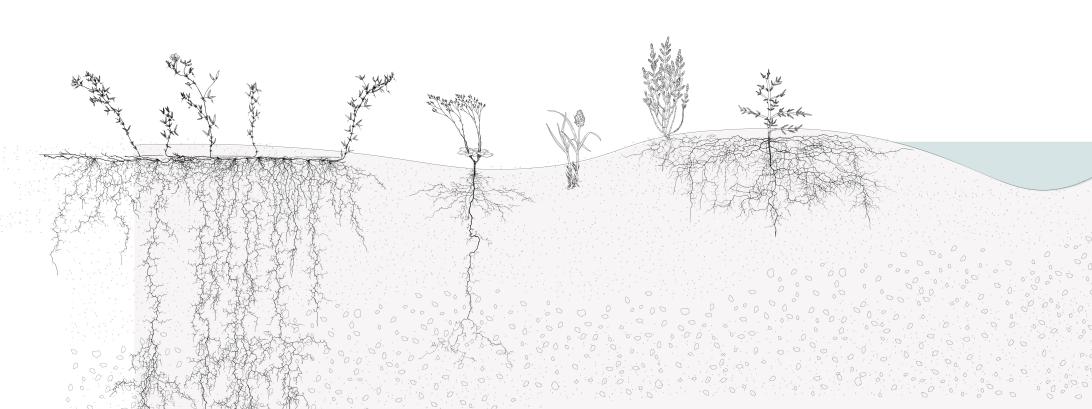


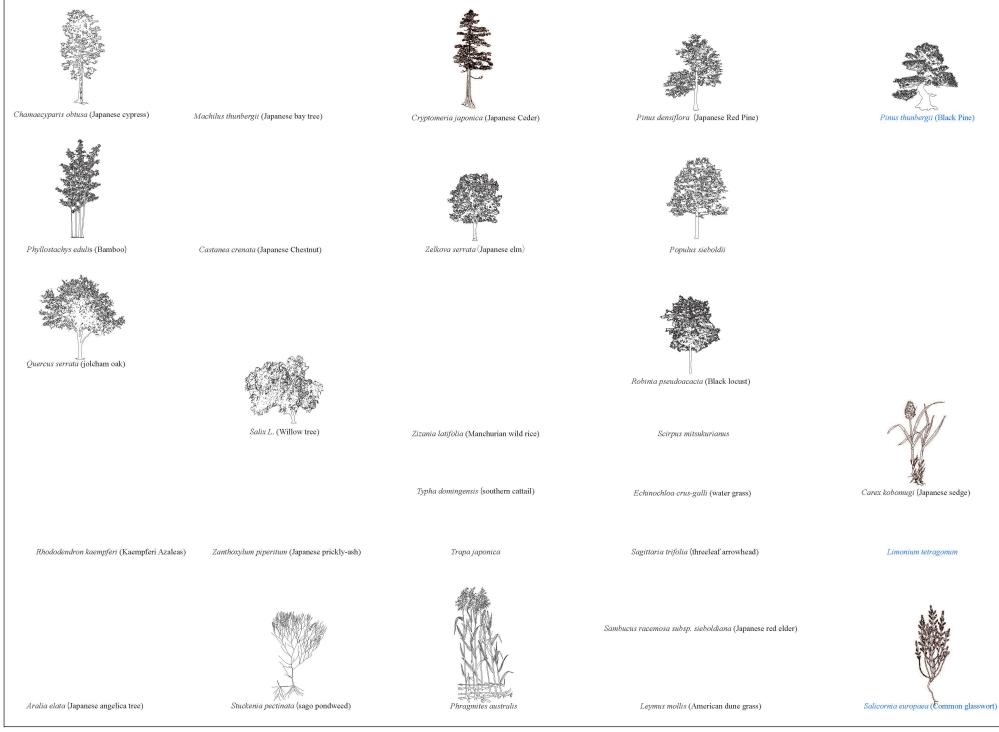
### Limonium tetragonum

Salicornia europaea

Lathyrus japonicus

Carex kobomugi

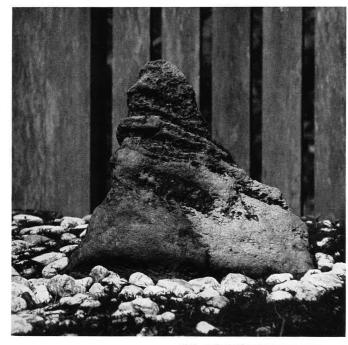




Lowland



## The shintoism - japanese animismistic religion



Takimatsuri-no-kami, a subsidiary shrine of the Naiku

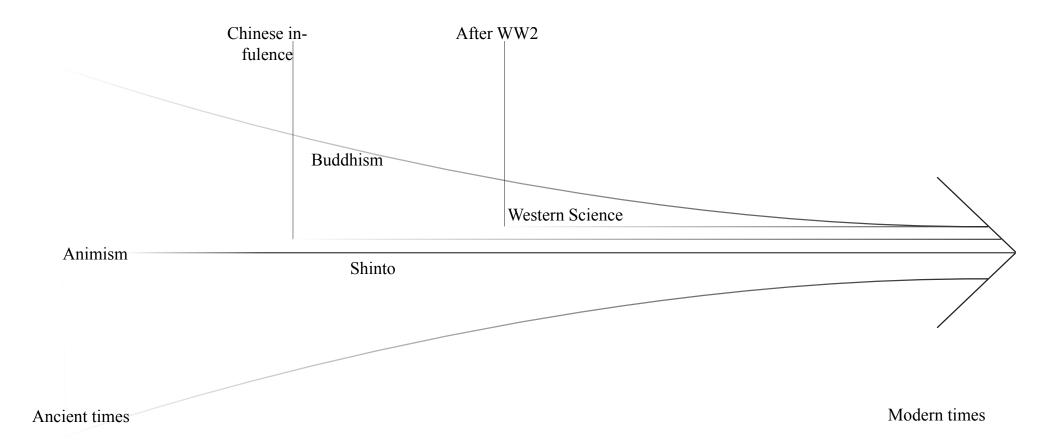
Behind the radiant sun lurked the fear-inspiring darkness of the night.

In the cries of the forest,
in the bowels of the earth,
beyond the storm-swept seas,
unknowable spirits were at large.

Man trembled before the incomprehensible forces (Ke 気)
that filled primeval nature and space.

By Kenzo Tange, Book from ISE

## The transition of Japanese views of religion



Today, many foreign religions have influenced Japanese religious beliefs. However, today's essence of the Japanese spiritual structure is still animism.

### Spatial perceptions in the West and the East

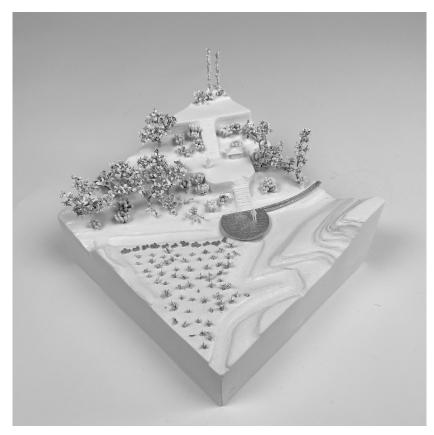
#### Western culture Japanese culture Vertical **Space composition** Horizontal Three-dimensional Two-dimensional defining, marking off, Approach for making space erecting a single mass into space limiting space in nature Breast and conquer Attitude towards nature adaptation and absorption = Reaction towards inexplicable resign the fate, giving up heroic courage matters (fears)

The Japanese prioritize indoor space based on the horizontal floor. As a result, the building has flexibility with connecting or unconnected on different occasions. Unlike Western spacial priority, which is based on verticality as walls, and the space composition is always decided and unchanged.



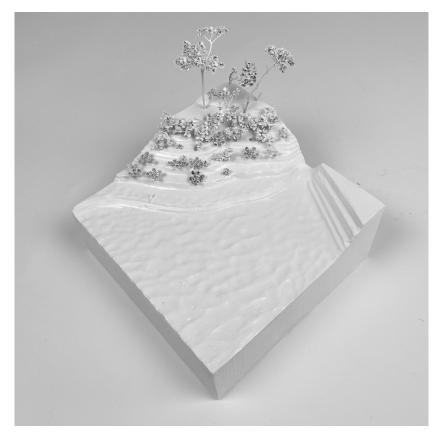


# The glasswort garden

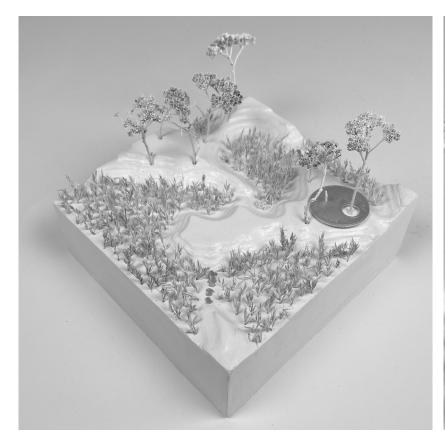




## The dune forest

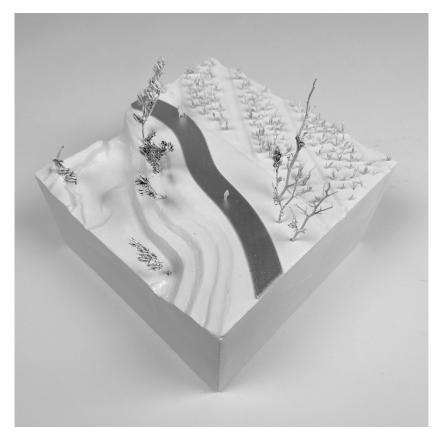








# The rice paddies and orchard





# The spring garden





