Memorial landscape

Resilience through time and landscape
Site
Japan Tokondo
Tsunami washed area Rikuzentakata

Tsunami line equals life line, so the design area will be...
Site Situation

2011

2011-2015

2015-2017
Working Principle

Preserve

Erosion of water shape “Temporary Prymaids”

Grid network

Transform memory of History Tsunami

Memorial gardens from different stories

Planting
What happens now?
Other dynamics caused by tsunami

Salt marsh land

From gley soil to sand

Plants type changed
Current Situation
On Site
Current Working Process

- Explode mountains
- Temporary keeping soil
- Build up higher lands for residential use
Possible Water Level
History&Memory&Stories
Kensen River and the Sea
Tsunami is unpredictable disaster, it happens after earthquake. The footprint of history tsunami indicates safe area at that time, it is the memory of land.

The latest and highest tsunami line in 2011 is the design area of memorial park.
From historical map, we noticed the land in the area is rich of water, the paddy fields reduced due to urbanization. Though in this case, until 2011, there still large area of paddy fields.

Paddy fields indicates this area is rich of water.
Possible flood area is almost the same area as the tsunami reached area in 2011, with the mapping above, it also proves that the main feature in the area is water.

Seawater from tidal effects, tsunami, and also water from Kensen river.

This helps the concept of dealing with water dynamics.
The surface analysis shows different surface material on site area, sand, stone, etc.

These elements have different capacity of taking water. Sand absorb water more quickly, while stones will slow the water flow going underground.

And it links to planting design.
Planting is highly related to soil type, as temporary pyramidal soil comes from new mountains, it gives a direction to what should be planted on the new higher viewpoint.
Natural dam area and delta area before tsunami, if overlaying this layer with current situation, you will find some of the current pyramids on site for keeping soil standing at the same place as old natural dam area. This can be looked as a representative of landscape's memory on site.
Agriculture and paddy fields are other important elements on site. Some are still existing today, it will be kept, and others which became marsh lands during the tsunami, is transformed into cultivated garden.

Paddy fields grid system will be adopted as new grid system on the site.
Surface Analysis
Study model

Road system

Paddy fields with current situation
Natural dam & Fake mountains

Water level & History Tsunami
Concept
a landscape which accept women
and also formed by women.
Working process

Boardwalk System  Roads
Little stories

Different Gardens
Test model of water and landscape
Transformation
Reshape “Fake Mountains” by rain water erosion
New grid according to agriculture

Grid system according to paddy fields

Connected to existing gardens

Existing

New roads
Transformation of history tsunami
Garden of Memory
Planting

Salix cheilophila
Cerasus sp.
Cinnamomum camphora
Pinus tabuliformis Carrière
Dawn Redwood
Bambusoideae
Pinus
Planting

Suaeda glauca
Artemisia halodendron
Salicornia Bigelovii Torr
Leymus chinensis
Phragmites communis
Miscanthus sacchariflorus
Typha minima
Tamarix chinensis
See through mountains
View from sea side
New viewpoint
Dike and newviewpoint
Transformation of history Tsunami
Transformation of history tsunami
Transformation of history tsunami
Wet garden
Higher path
Memory garden for individual
Memory garden for individual
Memorial park in Rikuzentakata city is based on the idea that draws from the history of the landscape memory and beautiful dynamism of landscape to propose a new type of memorial landscape by transforming nature elements. The project calls into what should be preserved and how to adjust to water, soil and other dynamics caused by flood and tsunami. It is a process that nature power and landscape itself constantly shaping and changing landscape of Rikuzentakata city.

And it is a project for the city itself, and also for the individual.