



2012 STUDENT LANDSCAPE ARCHITECTURE DESIGN COMPETITION PRIZE WINNERS

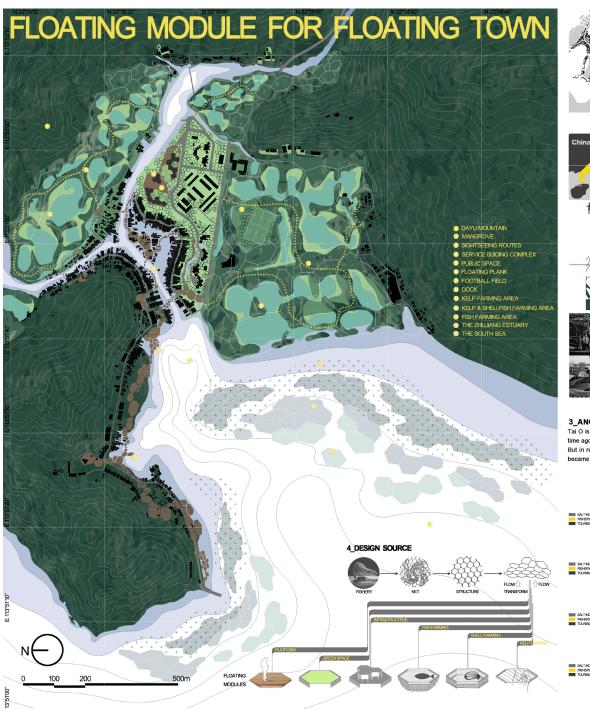
FIRST PRIZE IFLA Group Han Prize for Student Landscape Architecture	TITLE AUTHOR(S) INSTITUTION	Floating Module for Floating Town Hui Li, Danzi Wu, Lu Feng, Aiai Bao, Shuai Sun School of Landscape Architecture, Beijing Forestry University, Beijing, China
SECOND PRIZE IFLA Zvi Miller Prize	TITLE AUTHOR(S) INSTITUTION	Floating Life: Floating farmland System of Chomra in Bengal Shenchen, Jiang Mengya, Li Mengdi, Lizi Chongqing Chongqing University, Chongqing, China
THIRD PRIZE Merit Award	TITLE AUTHOR(S) INSTITUTION	Heaven Over Hell Feng Hejing, Chen Kaili, Zhang Shu, Yang Wenqi, Hu Lei Faculty of Landscape Architecture, Huazhong University of Science and Technology, Wuhan, China

FIRST PRIZE	TITLE	Floating Module for Floating Town
IFLA Group Han Prize	AUTHOR(S)	Hui Li, Danzi Wu, Lu Feng, Aiai Bao, Shuai Sun
for Student Landscape	INSTITUTION	School of Landscape Architecture, Beijing Forestry University, Beijing, China
Architecture		

JURY NOTES

The project is outstanding in its initiative to address an urgent and complex problem with rigor and creativity across the scales of townscape, site, and constructed detail accounting for fluctuation through time. Not only was the problem well-conceived as one of integrated issues, but the design solutions synthesized ecological, cultural and economic dimensions in innovative ways. Dealing with immediate concerns of sea level rise and threatened urban fabric, the floating system was designed to grow both flood mitigation structures and rebuild the ecological fabric of the depleted marine environment.

This project demonstrated the capacity of landscape architecture to reclaim natural and cultural landscapes. The project site is Tai O, one of Hong Kong's earliest communities and an expression of Dan culture. It is a flood-prone fishing community of stilt houses in an intertidal zone characterized by limited circulation, common space and a degraded environment. The project was based on traditional aquatic living customs and proposed a modular system to improve infrastructure, circulation, public space, and fishing opportunities.







1_HONG KONG'S EARIEST COMMUNITY

Tai O is located in Western Lantau Island of Hong Kong's New Territories, which is surrounded by mountains on three sides and facing the ZhuHai seaport, perhaps the most famous one of Hong Kong's existing fishing villages. Sediments of the three mountains form shallows in its linner bay.

Tai O is an intertidal zone, the rise and fall of the sea ranges huge, which becomes muddy ponds at low tide. It becomes a natural habitat of various species because of the favourable natural and geographical environment.

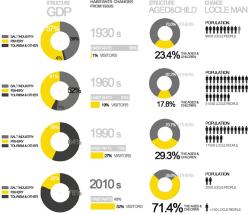
2_TRADITIONAL AQUATIC LIVING CUSTOMS

Tai o is divided into two places by SanYong. Many river courses and still houses constitute the unique characteristics of its fishing culture. The traditional Dans drift out onto the water all their life, and their homes are boats.

3_ANCIENT INTELLIGENCE OF NATURAL CONDITION TREATING ATTITUDE

Tai O is an old fishing village with a long history, which is in the Northwest of Lantau Island. The local industry were mainly fishing and salt trading long time ago.

But in recent years, the development of tourism industry increasing fast. Because of the favourable natural and geographical environment, Tai O once became an open port with fishery flourishing.



The main source of economic are fishing and salt trading, Tai O takes HongKong and the Mainland as its economic hinterland in the Early Period of 20th Century.

It is in the 50's and 60's that the two main industries reached the peak.

Along with the influence of industrialization and urbanization, many people switch to other vocations, which leads to the decline of salt industry.

Also, fishermen are forced to go to deep sea to catch fish since the in-shore fisheries near Pearl River are resource-exhausted, therefore fishing is declined.

The quantity of fish is reducing, the industries is declining, the population is moving out, the living environment is deteriorating. Economic recession, energy loss, environment deteriorated. In recent years, the development of tourism industry increasing fast, which influence the lives of the local residents.

2 PROBLEM

Poor infrastructure Declined industries Deteriorated ecology

3 CURRENT SITUATION

Unique architectural form

Tai O's chief feature is the beauty of the scene and the stilt houses on the water----huts, which are piscatorial residence.

We can still feel the appearance of fishing village which normally seen in earlier period of Hong Kong.

Traditional fishing

Tal O's history of fishing dates back to 400 years

4_QUESTION

Based on Dans' traditional aquatic living customs and ancient intelligence of natural treating attitude, can we add some "Floating Module" in and around the town, which can transform people's lives?

5_SOLUTIONS

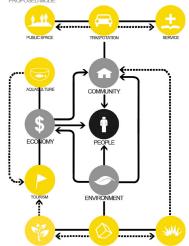
Develop Tai O's existing advantages, adjust industrial structure, gain income, improve living conditions and infrastructure construction, build up perfect eco-systems, comprehensive develop tourism, strengthen the vitality and influence of the district.

VICIOUS CIRCLE GRADATION OF ENVIRONMENT POOR LIMIN

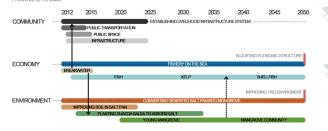
ADVANTAGES



VIRTUOUS CYCLE MODE

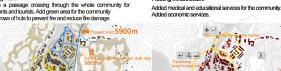


PHASED IMPLEMENTATION



MUDULE 1_FLOATING COMMUNITY INFRASTRUCTURE

Floating Plank
Provide a passage crossing through the whole community for inhabitants and tourists. Add green area for the community Added economic services. Isolate rows of huts to prevent fire and reduce fire damage



Floating Infrastructure Added medical and educational services for the community.



Floating Square Set up large squares and floating stages in huge gathering places such as GuanDi Temple.

Floating safety protection Set up building fireproof isolation area. Added habitat restoration area.

ONE MONTH TIDAL CYCLE



— based on Dans' water-living life

On the first step, we use the "Floating community infrastructure modules" to improve the community of the town. We built floating planks to provide a passage crossing through the whole community for inhabitants and tourists, and to isolate rows of huts to prevent fire and reduce fire damage. At the same time, we set up large squares and floating stages in huge gathering places. Then we provide medical and educational services for the community.



The floating platform slides up and down by lever, creating a landscape changing with the water level.

Floating Mudula

Based on Dans' traditional aquatic living customs and ancient intelligence of natural treating attitude, we add some "Floating Modules" in and around the town



MIDDLE WATER LEVEL







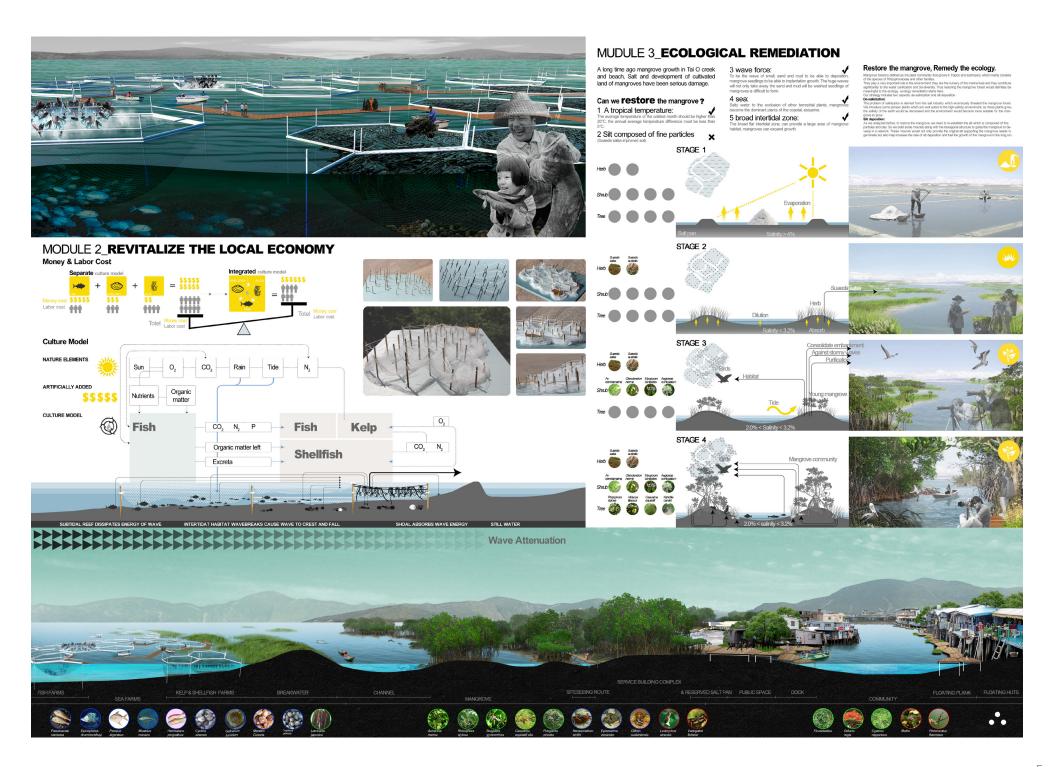












SECOND PRIZE	TITLE	Floating Life: Floating farmland System of Chomra in Bengal
IFLA Zvi Miller Prize	AUTHOR(S)	Shenchen, Jiang Mengya, Li Mengdi, Lizi Chongqing
	INSTITUTION	Chongqing University, Chongqing, China

JURY NOTES

This project demonstrated the capacity of landscape architecture to address environmental emergencies: in this case, extreme flooding that characterizes the landscape of Bangladesh. Using a traditional technology of rafts piled with vegetation, the project proposed creating safe, dry places for residents during flood events. This technology could be extended to create spaces for other, longer-term uses. Plants on the rafts put down roots, and temporary surfaces become permanent, elevated places in the flood zone, transforming flood victims from nomadic to more settled conditions. The project suggested that low-cost, low-technology solutions utilizing local expertise could be found for emergency conditions.

FLOATING LIFE

the floating farmland system of chomra in Bengal

Backguound

The most striking characteristic of Bangladesh are low-lying, streamy, high temperature and rainy. In Bangladesh, 80% of the population are peasants, which has the traditional agricultural way of life, by means of farming and fishing to maintain the family's living.

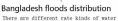


Introduction

Every year the flood brings huge quantities of soil nutrient for Bangladesh, which is good for the development of agriculture, at the same time, the flood drown buildings, cause damages to crops. Therefore the local should avoid the disaster brought by the flood, and benefit from the water.



as heavy rain is the main factor.



disaster, tidal waves, flooding, such

Dry weather and the monsoon season rainfall distribution

Precipitation is insufficient in dry season, which goes against the growth of crops.



The affected crop distribution proportion

The damage to crops can be serious t more than 50%, most of the affected area ratio is between 25% and 40%.











Through the analysis of background, climate, geographical conditions and other aspects of Bangladesh, we confirmed the flood is the most main factor of local residents' life. After comparing the local residents in peacetime with flooding period of the life condition, and discussing the needs of the local residents, we put forward the major problem in the task--lacking of land can be lived on in the flood period.

What can we do?

Ensure the security

Provide a safer lifestyle in flooding period for the local to maintain the basic survival.

Provide places for a variety of purposes Combined with the local technology, offer them a site to live in flooding period to meet the basic survival request of local residents, as well as form the unique landscape.

Create comfortable environment

After meeting the basic survival request, combining with the existing facilities, complete the constr--uction for residents, providing good landscape environment, making people not only survive, but also live better life.

Analysis of current situation



Agriculture

Flood drown farmland and damage the crops. In the flooding period, farmers have no farming land, losing life source.

Residence

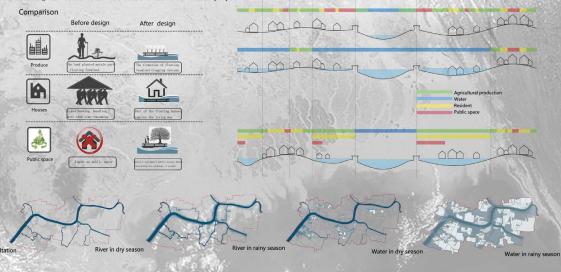
The flood damages houses, making many people displaced from their

Transportation

Flooding roads and blocking the traffic make life more difficult in flooding period.

Design vision

Transforming lives: As time goes by, the plant keeps growing and succession, the residents' living conditions improve. At the prospect of transforming the local from "the flood nomads" to "water people"

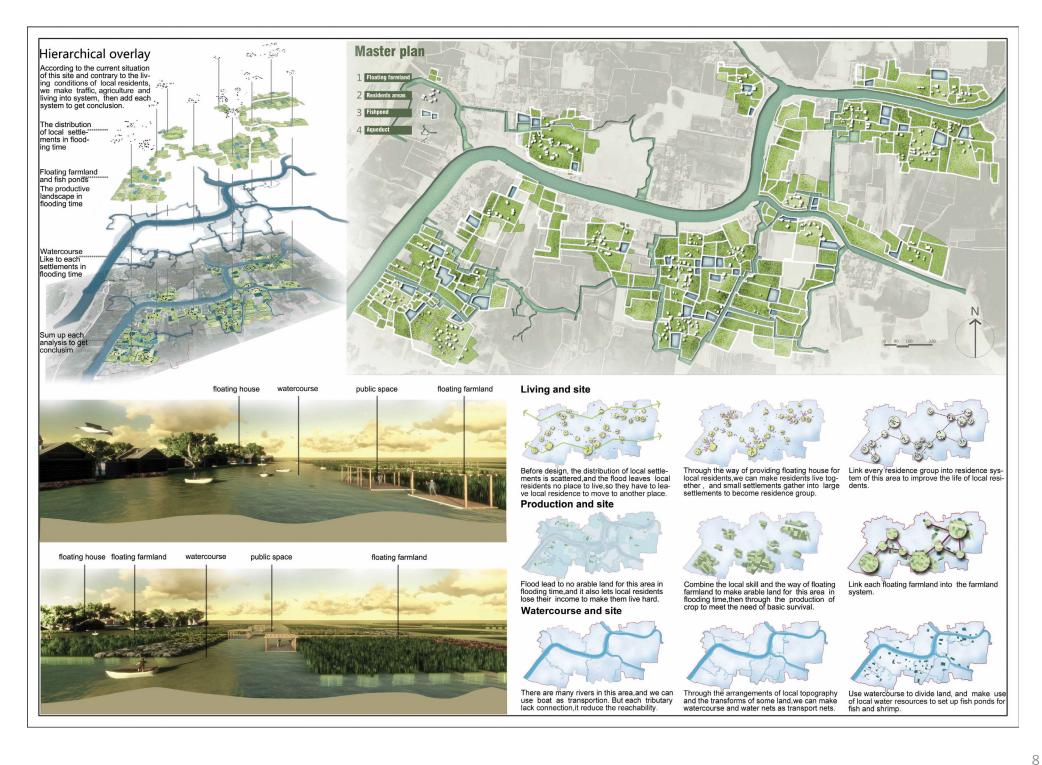


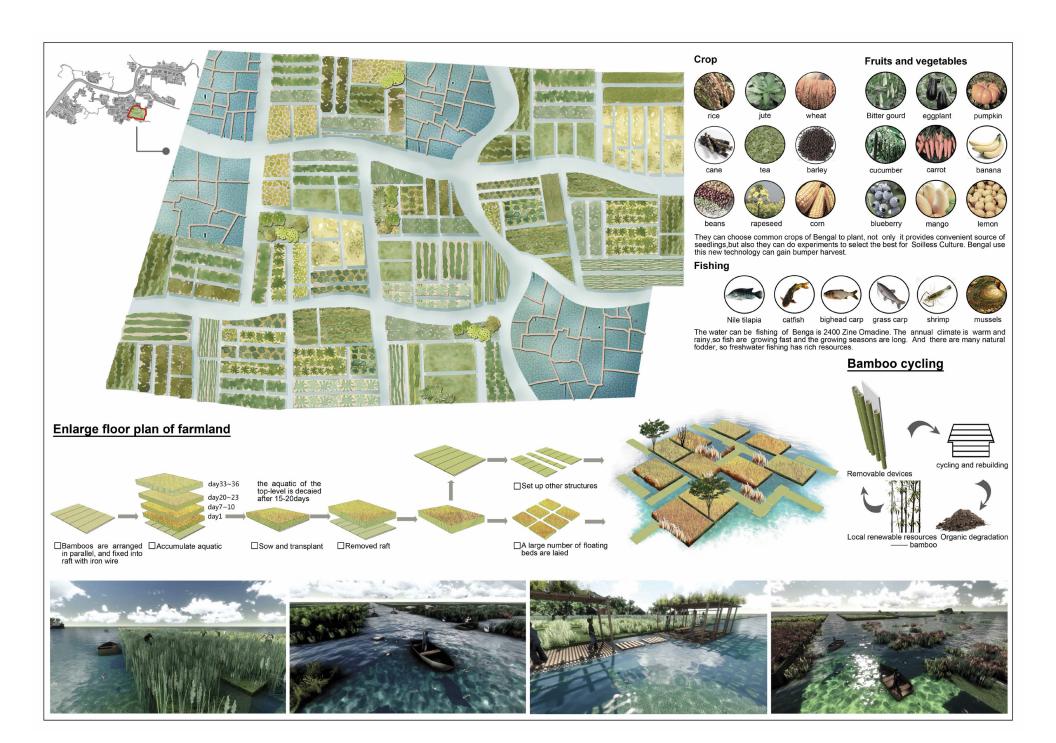
Analysis of site











THIRD PRIZE	TITLE	Heaven Over Hell
Merit Award	AUTHOR(S)	Feng Hejing, Chen Kaili, Zhang Shu, Yang Wenqi, Hu Lei
	INSTITUTION	Faculty of Landscape Architecture, Huazhong University of Science and Technology, Wuhan, China

JURY NOTES

This project demonstrated the capacity of landscape architecture to improve physical and social conditions in informal urban communities. Addressing the largest informal settlement in Wuhan, it tackled several very difficult problems—the safe passage of children through the settlement, the need for recreational and educational opportunities, and the need for productive space— with an innovative proposal that is at once well-conceived and resourceful. Based on a workshop with children and relying on recycled bamboo and local technologies, the project points to a professional future in which landscape architects increasingly work across disciplinary boundaries and in conditions outside the typical or normative realm of design. This project was inspiring in its gentle approach to working with the needs and dreams of children.



1 The Urban-Village is a unique social heritage in the process of rapid urbanization in China, but this is an abandoned social heritage.

China is in an era of rapid urbanization, the city's rapid expansion and the rush of Rural Migrant Workers from countryside into the city have generated a unique social heritage. "Urban-Village" which is a kind of slum with thousand kural Migrant Workers and their families living in very poor condition. Under the invasively land-grabbing, a large number of peasants have been deprived of their arable land and have also been stripped from their traditional farming activities which were their cultural heritage. A peasant in the city struggles to find a job, but usually gets neither or urban job nor an agricultural plot for familiar farming.

2 Huaanli, is the biggest Urban-Village in Wuhan which is the biggest city in central China, however here is a forgotten corner forever.

Huaanii, is in the heart of Wuhan, the biggest city of Central China. It is close to Wuhan Railway Station, easily being approached by new comers ushing to the city by trains from countryside all over China. It has an area ca. 28.9 HA in total and has hosted almost 18000 Rural Migrant Workers or their family members. As a result of being cut by several railways and boring railway rumbles, here is almost a forgotten corner by the government and developers. Low rental and high accessibility to the Rail Station have made here an attractive distribution center for new coming Rarral Migrant Workers and diverse criminals. High density, chaos, mafias, dirty and messy, all these have turned Huaanli into a dark forotten corner.

3 The primary school on a roof supposes to be the hope for all residents in Huaanli, but it is a hopeless future.

Very poor condition and very crowded environment have forced the only school to set up on a building and its roof which has to host 375 pulps within less than 800 M2. Everyday trembling with lears, over three hundred children have to take a dangerous journey between this school and their home, going through busy railways, dark, narrow streets and intimidated by traffickers. Every year there are reported missing children or victims of traffic accidents. Child is the only future of every family here. but it is a hooeless future here.

MAIN PROBLEMS

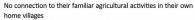


No safe way in between school and home

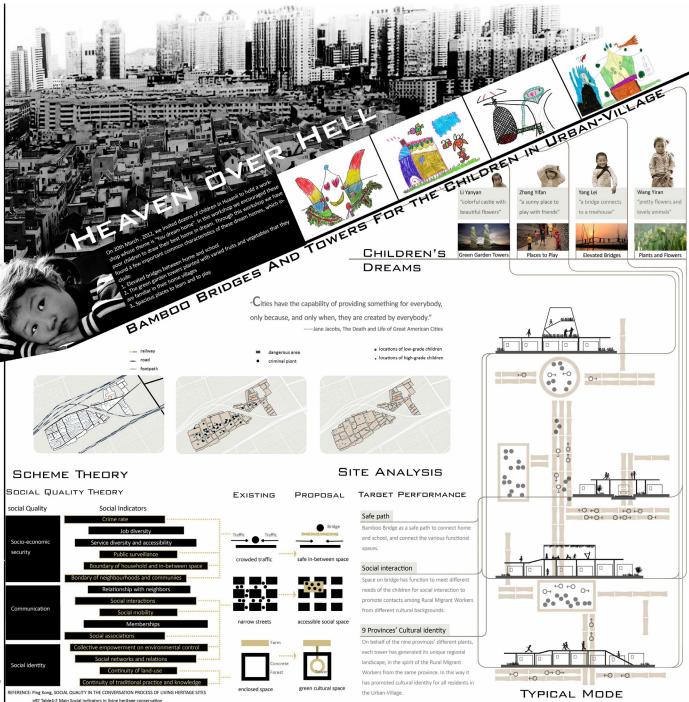
Busy railways, narrow and dangerous streets have promoted higher traffic accidents and more crime cases in Huaanii. The minimal security can not be guaranteed so do the other basic human rights. The priority is a safe way between their homes and the school for all children in Huaanii.

No enough space for study and play

Huasall, with its intensively self-made constructions and extremely high density, has only two main traffic arteries less than 5 meters, which are in the north and south and both are served as commercial streets. The rest traffic networks within Huasalli are mostly dark alleys no wider than 1-2 meter. Besides that "sky play-ground" on the roof, less than 80 MQ. there is neither teaching space for school hours nor space to play in the after-school hours. The extremely poor conditions have jeoparduced the normal social interactions among children or their parents. These are increasing cases of Children Autistic and poor social performance comparing with normal rate outside Huasali.



Huaanil's children following their parents to the city, are leaving the traditional farmland, leaving the agricultural culture once carved in his childhood. What they have to suffer in ceality is the hard and dangerous life within the Urban-Village and what they can not help missing is the happy life they once enjoyed in beautiful farmland embraced with incense from grains, fruits and vegetables, which is merely a distant memory.





AGRICULTURAL PLANT CONFIGURATION

Profitable urban vertical agriculture

In the nine planting towers there is vertical farming, cultivation of high value-added crops and provincial representative. flowers for various provinces, in order to maximize both the economic benefits and ecological benefits for the local residents.

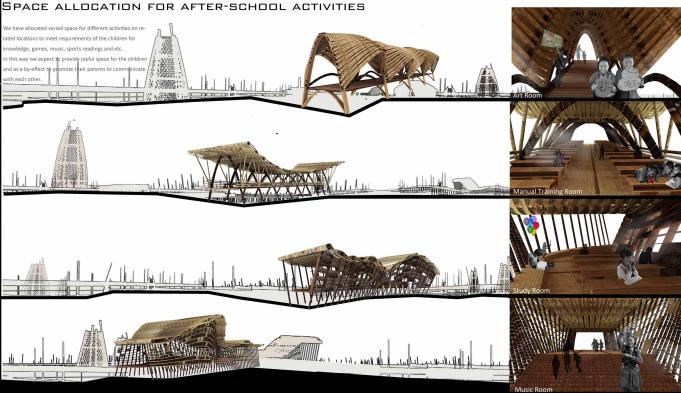
The most refundable way from Urban Agricultural Tower

Grains, flowers, fruits and flowers planted in those bamboo towers will generate big economic refunding in the background of food shortage in the country. It gives chance for the Rural Migrant Workers to repick up their agricultural work in the urban context, which will benefit both the citizens and the urban farmers.

According to the conditions of different plants, we develop four models of the planting boxes in order to maximize the economic benefits from these vertical planting towers.







HEAVEN OVER HELL: BAMBOO BRIDGES AND TOWERS FOR THE CHILDREN IN URBAN-VILLAGE

