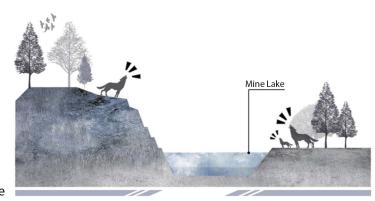
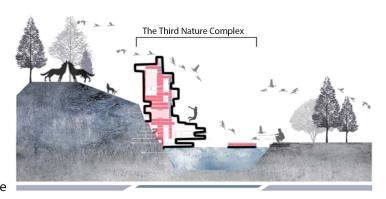


The First Nature



The Second Nature



The Third Nature



Country / City	Guangzhou, China
University / School	South China University of Technology
Academic year	2017-2018
Title of the project	TO THE THIRD NATURE - Ecology Strategy and Landscape Design for abandoned mines in Urban Fringe Area -
Authors	Pu Luan





Barcelona International Landscape Architecture Biennial

September 2018 SCHOOL PRIZE

X International Landscape Architecture Biennial

Máster d'Arquitectura del Paisatge -DUOT - UPC ETSAB- Escola Tècnica Superior d'Arquitectura de Barcelona Avenida Diagonal, 649 piso 5 08028 Barcelona-Spain

TECHNICAL DOSSIER

Title of the project TO THE THIRD NATURE - Ecology Strategy and Landscape Design for abandoned mines in Urban Fringe Area

Authors

Pu Luan

Title of the course

Landscape Planning and Design III

Academic year

2017-2018

Teaching Staff

Guangsi Lin

Department/Section/Program of belonging

Department of Landscape Architecture

University/School

South China University of Technology

Written statement, short description of the project in English, no more than 250 words

Under the context of urbanization, Human's early exploitation of the mountain forms a large area of abandoned mines. Meanwhile, agricultural land is encroached by the development of city. Nature has been damaged and villagers have lost their farmland. So how to make a sustainable development in this urban fringe area is the burning issue. The site is located in Tanwei, an urban fringe area of Nansha District, including natural mountain, abandoned mines, Traditional villages and new urban districts. So I try to tap the potential linkages between nature and manmade environments and come up with new solutions to turn contraditions like environment disruption and rural renewal into coexistence elements for organizing an efficient, sustainable and liveable complex by using the idea of "urban agriculture" and "third nature". The village will be renewed, the agriculture will be transformed, and the city will be reconstructed with the ecological restoration. The aim is to establish a spatial order in which biological species are shared under the condition of human interaction and creat a world in a hybrid form in which organisms, social groups and technological products are interrelated, which is the core of repairing the site and supporting future development.

For further information Máster d'Arquitectura del Paisatge -DUOT - UPC

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TO THE THIRD NATURE

Ecology Strategy and Landscape Design for abandoned mines in Urban Fringe Area

BACKGROUND:

Under the context of urbanization, Human's early exploitation of the mountain forms a large area of abandoned mines. Meanwhile, agricultural land is encroached by the development of city. Nature has been damaged and villagers have lost their farmland. So how to make a sustainable development in this urban fringe area is our aim.

MAIN PROBLEM:

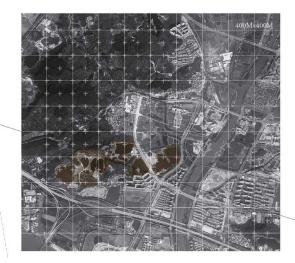
recycling of open-air abandoned mines
ecological restoration of natural mountains
renovation of Tanwei village
development of a new urban agriculture
transformation of agricultural industrial high stratification

VISION:

The idea of "urban agriculture" and "third nature" will be designed and put into practice. The village will be renewed, the agriculture will be transformed, and the city will be reconstructed with the ecological restoration. The aim is to establish a spatial order in which biological species are shared under the condition of human interaction. And also creat a world in a hybrid form in which organisms, social groups and technological products are interrelated, which is the core of repairing the site and supporting future development.



The ratio of different elements - A disorderly site

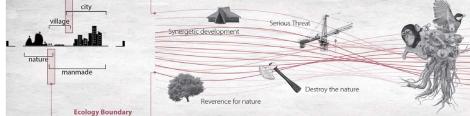


The site is located in Tanwei, an urban fringe area of Nansha District, including **natural mountain**, **abandoned mines**, **Traditional villages** and **new urban districts**. The key planning area is about 1.43km².

Edge-contradiction



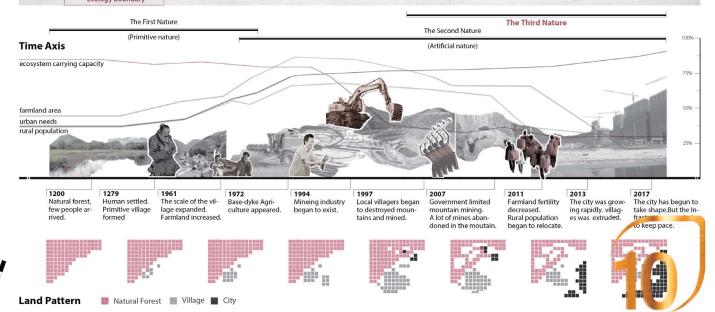




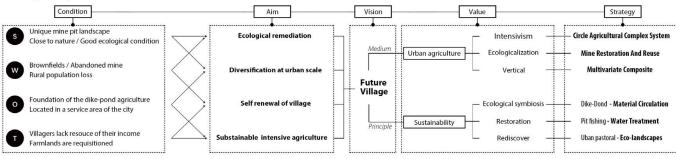
"THIRD NATURE" is from the ancient roots of a renaissance idea (terza natura) created by Jacob Bonfadio in 16th century. And we use this concept to
describe a new nature which is different from the
FIRST NATURE and the SECOND NATURE.
We are concentrating on bringing the relationships between cultural and material fifto our site,
correlate the organisms, social groups and technological products logether and create a sustainable
mixture.

The Concept Of Third Nature

Human are the operators of this mixed environment but their activities are just an normal element in this *organism combination*.

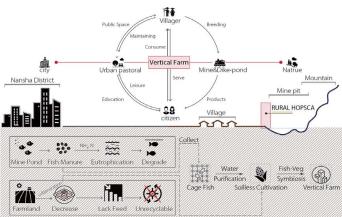




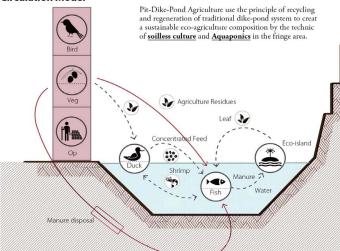


Operational Model

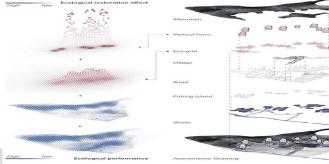
Planning with all kinds of resources and activities of elements, make the model operate ecologically, economically and socially. Meanwhile, find the **ECOLOGICAL BALANCE** and **SOCIAL EQUITY**.

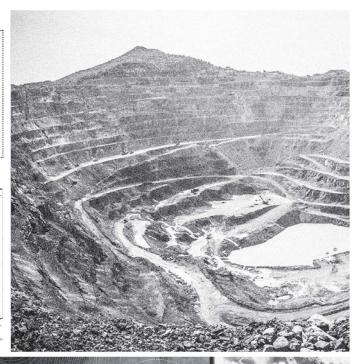


Circulation Model

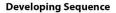


Ecological Indexing Site Analysis

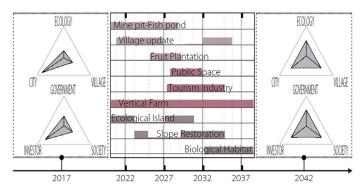


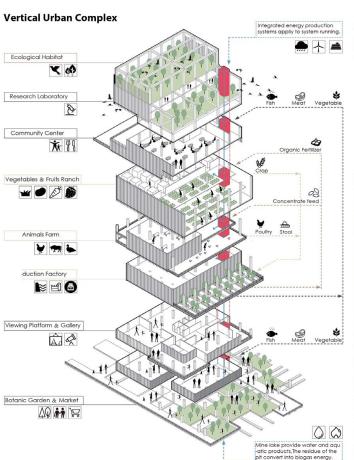






Planning in variety of ways and developing step by step, which are aiming at balancing the elements in our site to creat a sustainable nature orderly and feasibly. And the following plan is the future vision in the next 30 years.



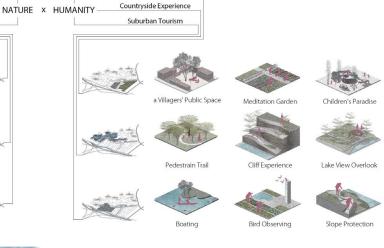




Typologies

Ecological Corridor

Forest Park



Education

