



The continuation of vein

To reconnect in a smart way

Country / City	China / Taian
University / School	Shandong Agricultural University / College of forestry
Academic year	2019-2020
Title of the project	The continuation of vein —— To reconnect in a smart way
Authors	Liang Qifan

TECHNICAL DOSSIER

Title of the project	The continuation of vein —— To reconnect in a smart way
Authors	Liang Qifan
Title of the course	Landscape architecture planning and design
Academic year	2019-2020
Teaching Staff	Supervisor:Professor Hongtao Wang
Department/Section/Program of belonging	Department of Landscape Architecture
University/School	Shandong Agricultural University / College of Forestry



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

Pan river is an important river in Tai'an city, Shandong province, and it as the vein of the city, however, in the past few years, with the urban expansion and the development of industrial, it has been polluted and separated from the surrounding environment and people. Now, a wetland park is planned and designed in its section. The design starts from the unique landscape structure of Tai'an, extracting the remained field, and using wisdom methods to reconnect the river with mountain, city and people, to achieve the ecological restoration and inheritance of cultural context. In the design, We use Eco-technological approach to improve the ecology of the site. Partially reserved for the remanding farmland to explore a new business model, the combination with on-line and off-line is used, to provide people with the opportunity to experience rural life.



CLIMATE CHANGE AGAIN

11th International Biennial Landscape Barcelona

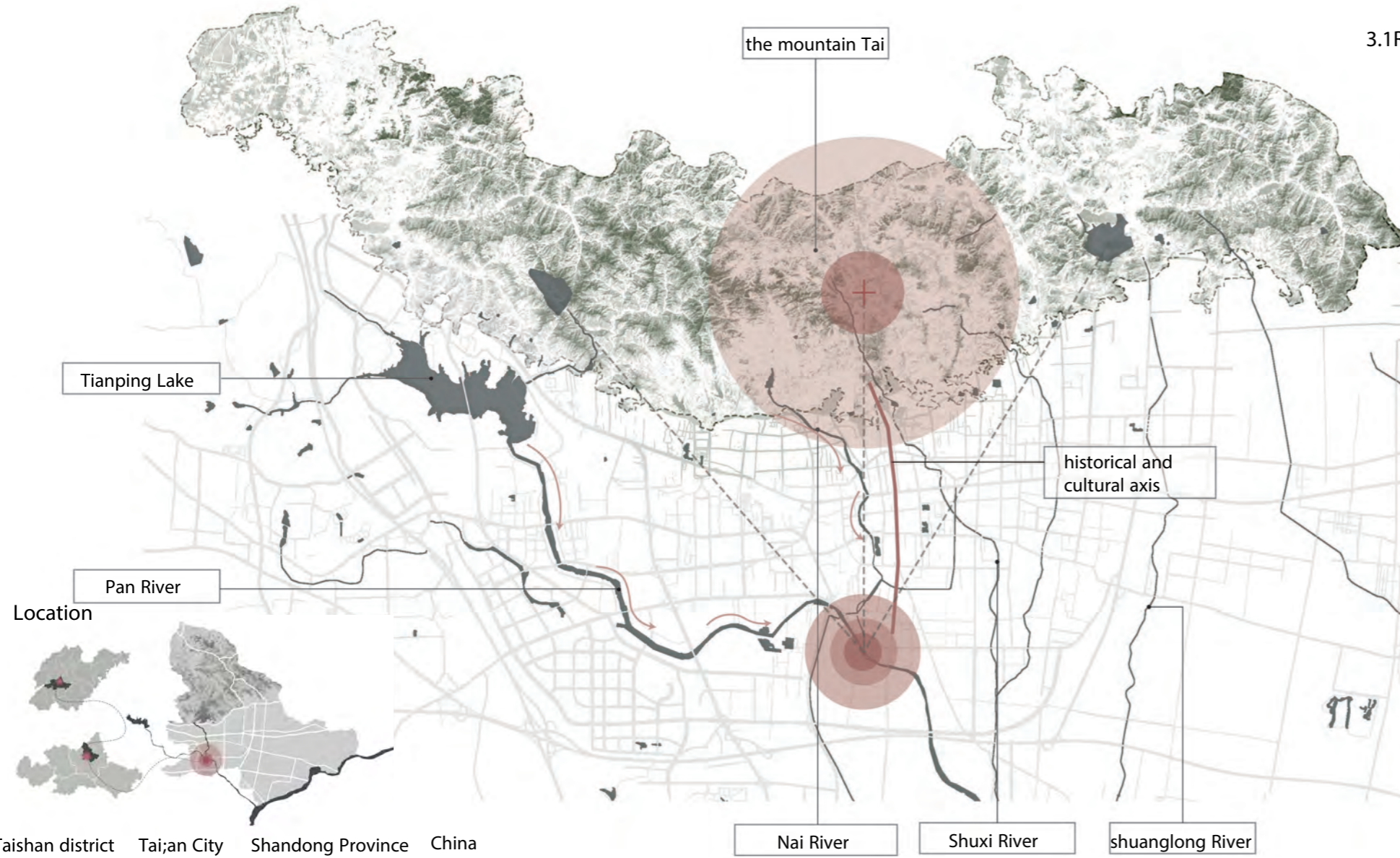
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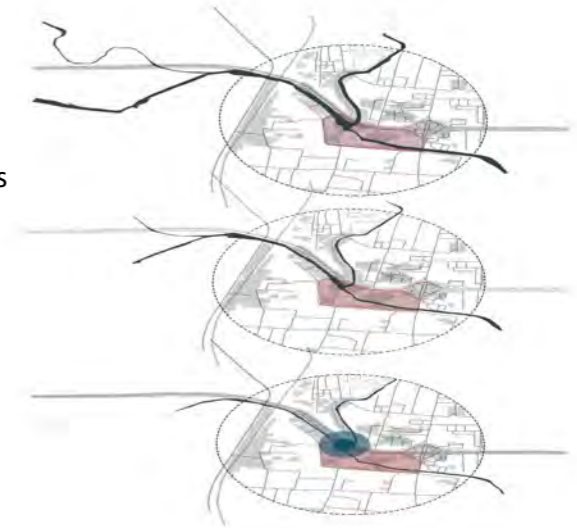
Barcelona September 2020
SCHOOL PRIZE

The Landscape Structure



Situation Analysis

3.1 River flow analysis



3.2 Current problem

In the past, there's a cultural connection here.



As the city develops, cultural exchange is gradually blocked



Now there're cultural faults



River development timeline



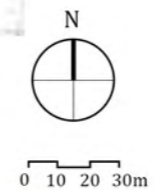
Now, because of the expansion of the urban and the development of industry, the ecology is destroyed.

Looking forward, it's the new life of Pan River.



Master Plan

Purification mechanism



plant pond



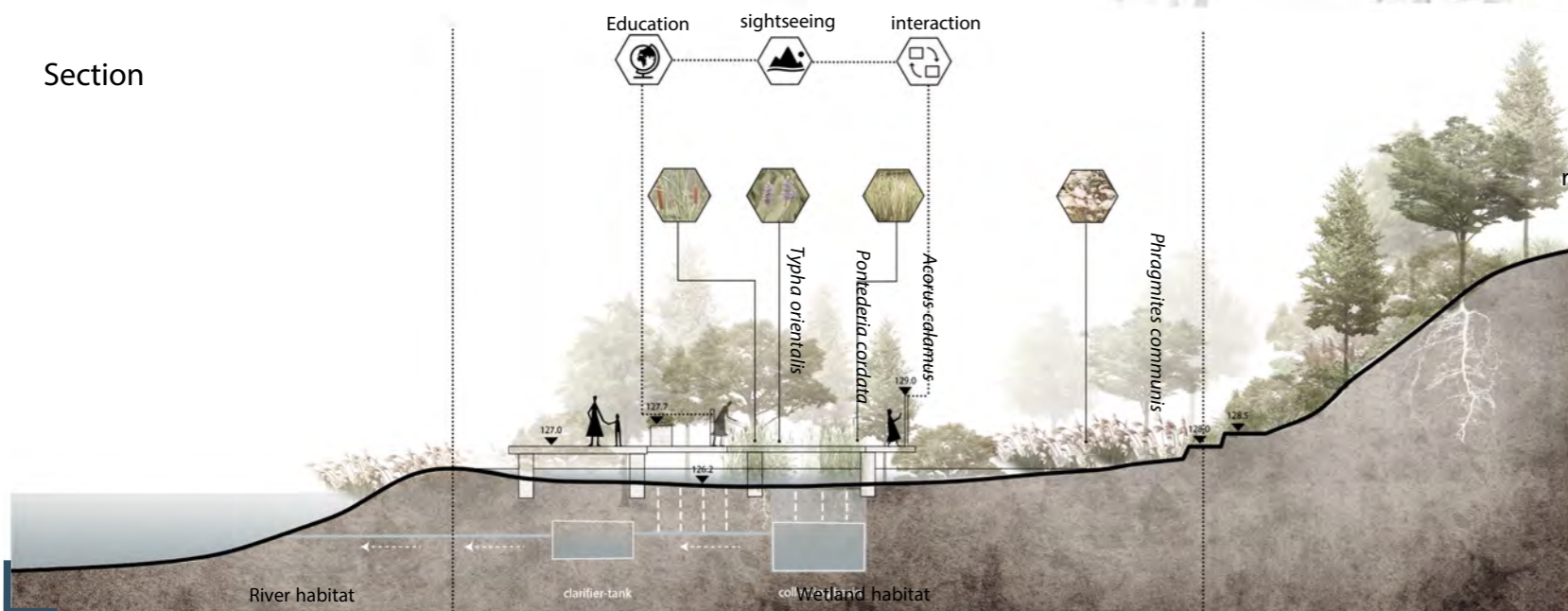
Water interaction platform

- 1 main entrance plaza
- 2 ecological parking lot
- 3 cultural exhibition hall
- 4 outdoor theater
- 5 mountain plank road
- 6 viewing pavilion
- 7 multi-stage purification tank
- 8 water and mirror plaza
- 9 water interaction platform
- 10 wetland
- 11 farmland
- 12 hanada
- 13 floating hanada
- 14 plant pond
- 15 children's playground
- 16 rest plaza
- 17 healing garden
- 18 wellness forestry

Concept Generation



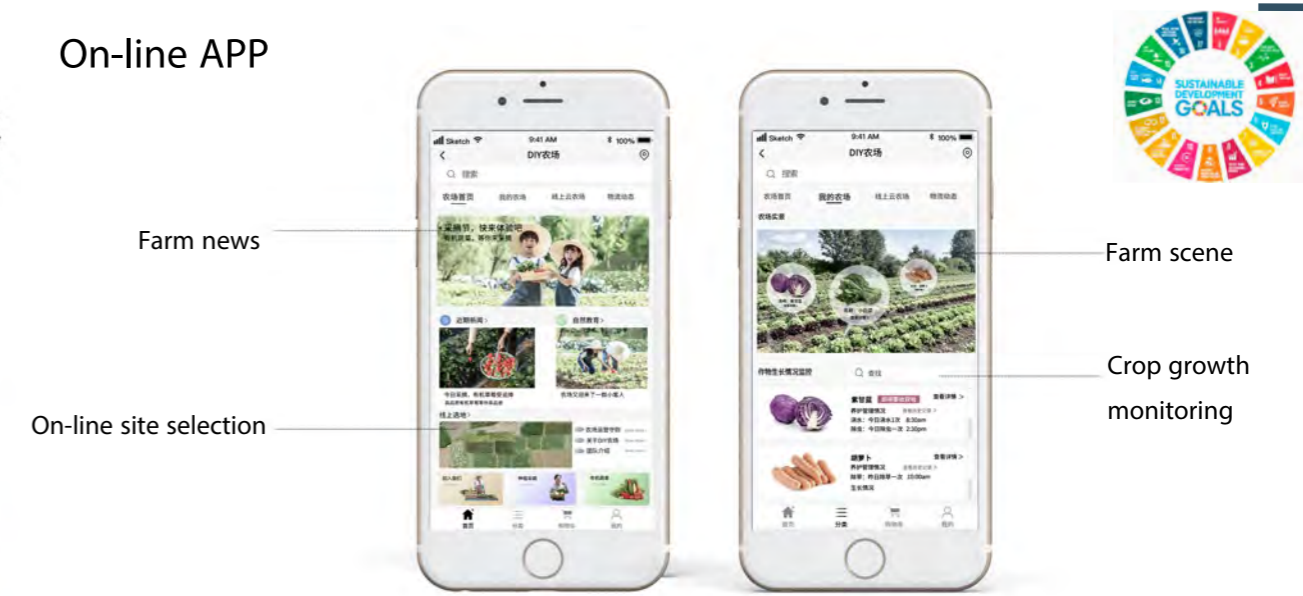
Section



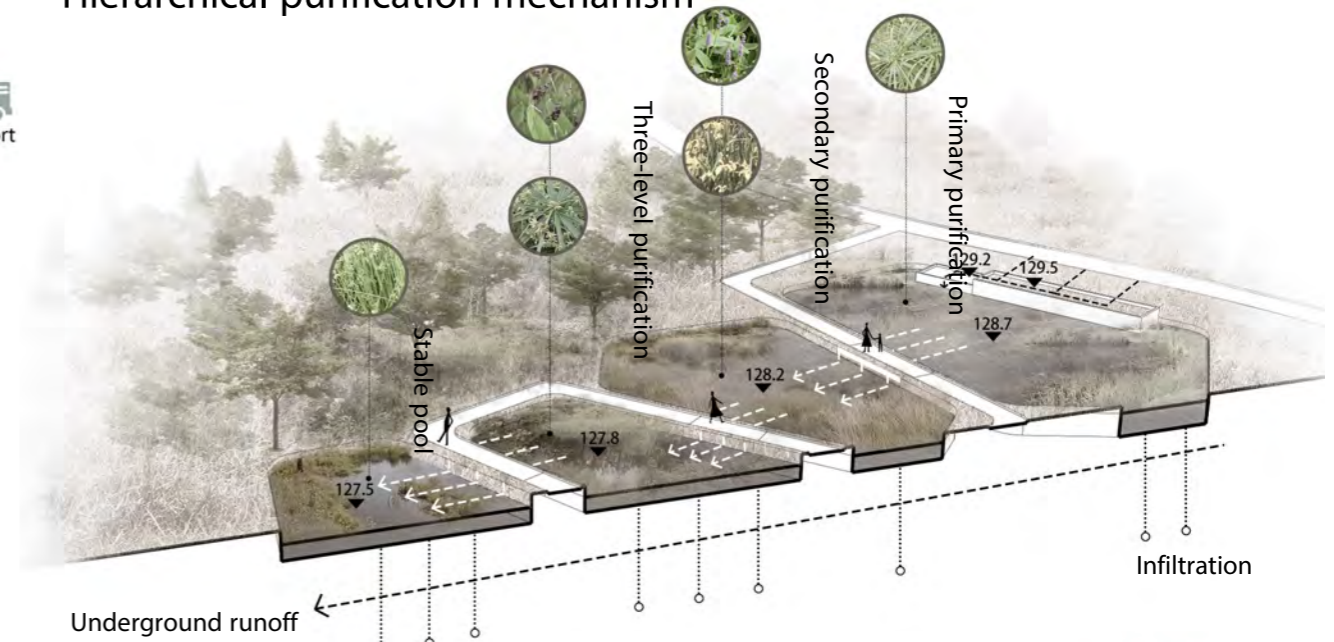
The Farmland



On-line APP



Hierarchical purification mechanism

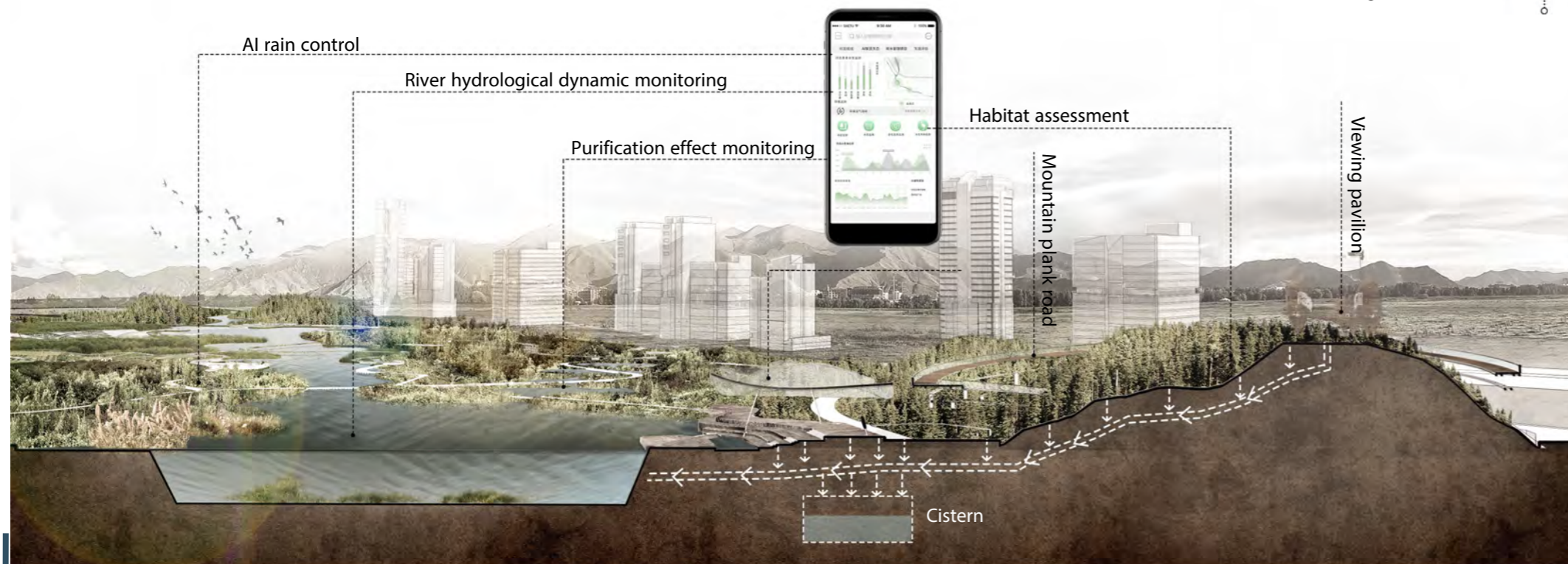


Online cloud farm



Through the on-line cloud farm, people can experience the real scene anytime, anywhere, and experience the joy of planting.

Landscape performance evaluation



Mechanism of plant pool

