GIAHS Proposal:
Xinghua Duotian Agrosystem

People's Government of Xinghua City,
Jiangsu Province, P. R. China

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2 Characteristics and Values

- Total area: 312Km²
- Core area: 40Km²
- Special raised field
- Perfect model for human to live in harmony with nature
- Main Source of Livelihoods: Vegetable farming and aquaculture
- Unique wetland agricultural ecosystem
2.1 Long Farming History

- According to the record of Encyclopedia Britannica: there are raised fields at the southeastern plain of China, particular case unavailable

- Three historical stages of Xinghua Duotian:
  - Floating Field Period: 3000 years ago
  - Formation of Duotian: 1000 years ago
  - Expansion of Duotian: 900 years ago
2.2 Igneous Water-land Utilization model of low-lying wetland

- Make full use of the very limited water and soil resources
- Effective method to fight against Floods
- Safeguard for food Security
- Excellent environment for biodiversity
2.3 Rich Biodiversity

- Many kinds of crops, vegetables, fruits and so on
- Longxiang taro, Xinghua chive and Xinghua oilseed rape are the three most famous farm products here
- Over 100 species of wild animals
- Over 300 species of wild plants
- 56 varieties of fish
Related Biodiversity

- Forest Farm
- Birds
- Wild Ducks
- Aquatic plants
2.4 Traditional Agricultural Technologies

- **Traditional Farming Work:** Traditional Plowing and Planting
- **Traditional Irrigation Methods:** Bailing Water
- **Traditional Organic Fertilizer Collection Methods:**
  - Dredging up Sludge, Scraping Sludge, Gathering Aqua-Plants
• Traditional Fishing Methods

- Net Fishing
- Tuck Net Fishing
- Cage Fishing
- Hurdle Fishing
- Cormorant fishing
• Traditional Lifestyle
2.5 Colorful Traditional Cultures

《A Bite of China》 -- Longxiang Taro
Xinghua Duotian, a stamp of the famous Beautiful China Set
Farmer’s Painting

Lotus Thrashing
Temple Fair
Barge-woman in the flower sea
2.6 Unique Landscape Resources

- Spring
- Summer
- Autumn
- Winter
3 Threats and Challenges

Change of height & area of Duotian

Lose of young labors

Urbanization
4 Ongoing Efforts

- Xinghua Duotian Agrosystem in Jiangsu province was identified as the first batch of China’s NIAHS and also GIAHS candidate site by Ministry of Agriculture in May 2013

- Published “Prose Works on the Raised Field” and “Magic Raised Field”
Formulating conservation and development plans

Exploring different values of Xinghua Duotian Agrosystem
- Carrying out and participating various forms of promotional activities of Agricultural Heritage

- The 1st ERAHS Conference was successfully held in Xinghua on April 7-10, 2014
5 Conservation and Development Plans

- **Inherit Traditional Duotian Culture**
  - Establish research association of Xinghua Duotian Agrosystem
  - Construct Duotian cultural Museum

- **Implement Ecological Restoration**
  - Set up protection fund and allocate 3,000,000 RMB every year to dredge rivers of Xinghua Duotian Agrosystem and restore its original appearance
Propaganda and Education

- Strengthen the cultural awareness and sense of pride of Duotian farmers to form a good atmosphere to care and protect Xinghua Duotian Agrosystem

Promote the Operation Scale

- Encourage young people to join the rural labor force, build new agricultural management, improve the production organization

Improve the Economic Benefit

- Develop the characteristic agricultural products and tourism industry by the industrialization form of “company + cooperative + farmer” or “company + base + farmers”, and make it the new growth point of economy of Xinghua
Xinghua Duotian Agrosystem
is not only belongs to Xinghua City,
but also belong to China,
even the whole world!
Welcome to Xinghua Duotian Agrosystem!

Thank you!