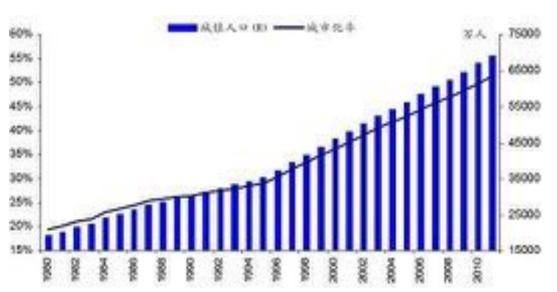
GIAHS/NIAHS Conservation and Rural Revitalization

Prof. Dr. Min Qingwen CAS-IGSNRR-CNACH

- Rural Revitalization: A Global Issue
- GIAHS/NIAHS: "Gene Banks" for Rural Revitalization
- GIAHS/NIAHS Sites: Best
 Demonstration Regions for Rural
 Revitalization Strategy

China's urbanization

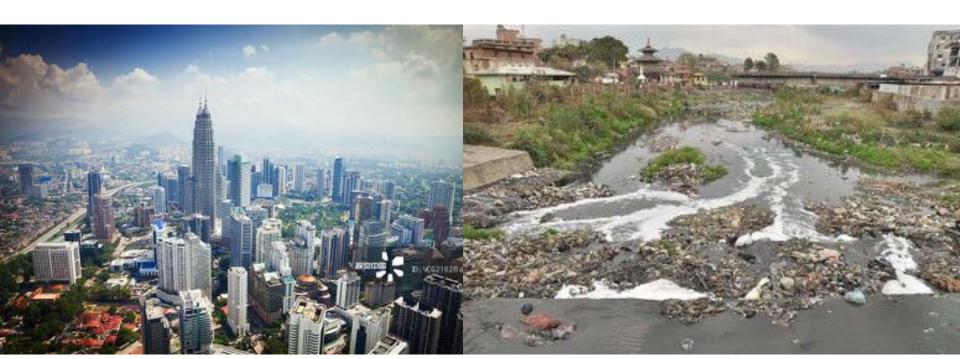
 It is well known that the widening gap between urban and rural areas and the decline of rural areas are the realities together with China's rapid development.





A sharp contrast

 With the development of industrialization and urbanization, the urban expansion and rural decline perform at the same time.



Current status of countryside

Inner Decaying Village.

left-behind children, the elderly and staying

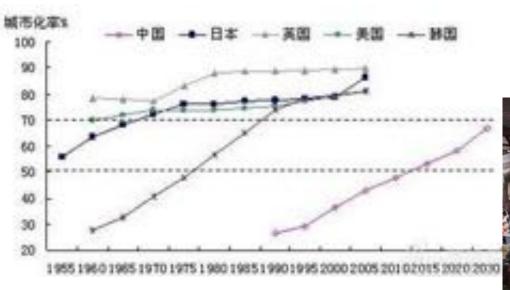






A global challenge

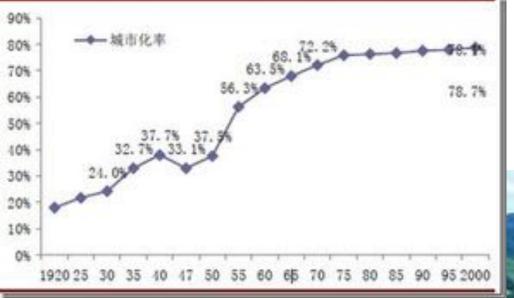
• In fact, not only in China, the world also faces the challenges.





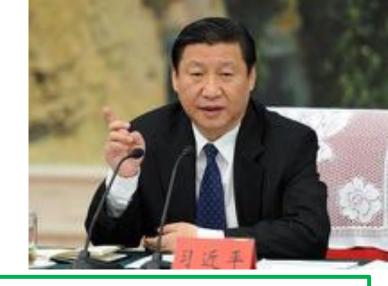
Experiences from Japan

- Rural revitalization campaign in 1960s
- New village movement in the late 1970s





China's "Rural Revitalization Strategy"



- On October 18th, 2017, Xi Jinping put forward the "Rural Revitalization Strategy".
- On December 29th, 2017, the Central Conference on Rural Work clarified the objectives, tasks and timetables.
- On March 8th, 2018, Xi further summarized "Five Revitalization Approaches" including industrial, talent, cultural, ecological, and organizational revitalizations.

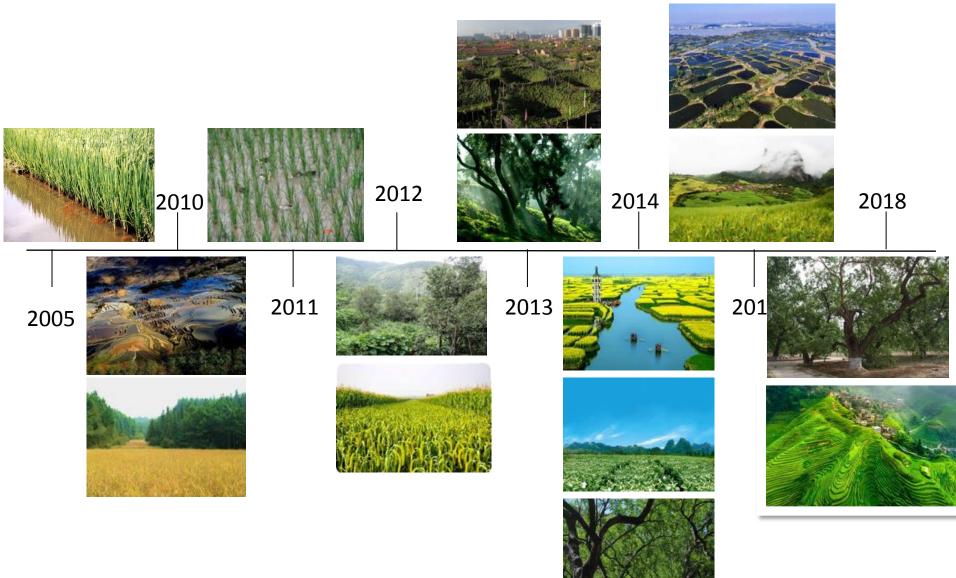
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GIAHS/NIAHS: A new kind of "Heritage"

- In 2002, FAO launched the GIAHS initiative.
- In 2012, China's MOA launched China-NIAHS program.



China's GIAHS sites



GIAHS: Heritage for the future

Definition:

Remarkable Land Use Systems and landscapes which are rich in biological diversity evolving from the ingenious and dynamic adaptation of a community/population to its environment and the needs and aspirations for sustainable development (FAO, 2002)

- Integrated Agricultural, Forestry, Livestock and Fishery systems;
- Result of co-adaptation and co-evolution of plants, animals, humans and landscape under specific environmental circumstances;
- Managed through highly adapted social and cultural practices and institutions;
- Provide food and livelihood security and social, cultural and ecosystem services;
- Important at local, national and global levels; and
- They are under threat.

Features of GIAHS/NIAHS

- Living
- Adaptive
- Complex
- Strategic
- Multi-functional
- Endangered



biologic, technological, and cultural "gene

Biologic "genes" for modern agricultural development

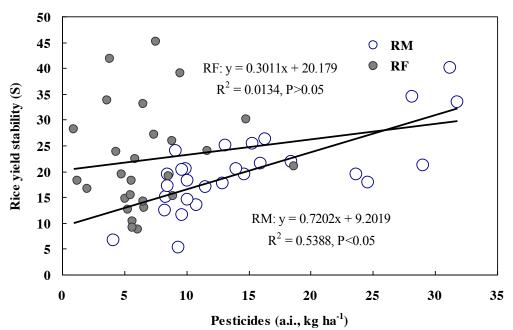
Crop	Varieties
Rice	Wuyuanhan Rice
	Yehele Rice
	Traditional Glutinous Rice





Technological "genes" for ecoagricultural development







Food and Agriculture Organization of the United Nations

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Agroecology Knowledge Hub



PUBLICATION: Agroecological rice production in China

Agroecology is based on applying ecological concepts and principles to optimize interactions between plants, animals, humans and the environment white taking into consideration the social aspects that need to be addressed for a sustainable and fair food system. By building synergies, agroecology can support food production and food security and nutrition while restoring the ecosystem services and biodiversity that are essential for sustainable agriculture. Agroecology can play an important role in building resilience and adapting to climate change. [...]

The 10 Elements of Agroecology











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DELECTION ACCOUNT

Cultural "genes" for sustainable rural development



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GIAHS/NIAHS sites are the most needed for revitalization

- Weak infrastructure and backward economic development;
- fragile ecosystems and abundant biological resources;
- abundant traditional knowledge and comprehensive technical system;
- abundant cultural resources and beautiful rural landscapes; and
- large population whereas a shortage of talent resource.





Industrial revitalization







Bio-resource industry





Processing industry

Agriculture

Food industry





Leisure agriculture & rural tourism



Cultural industry

Talent revitalization

- Cooperative leader: Guo Wuliu
- Returned college student: Liu Haiqing
- Returned overseas Chinese: Jin Yuepin







Cultural revitalization





Ecological revitalization





Organizational revitalization





- A Chinese proverb: Consider the past and your shall know the future. (温故而知新)
- Learn from the past for the future.
- We could contribute our wisdom to the sustainable agriculture and rural revitalization of the world through GIAHS/NIAHS approaches.



Thank You for Your Attention

