

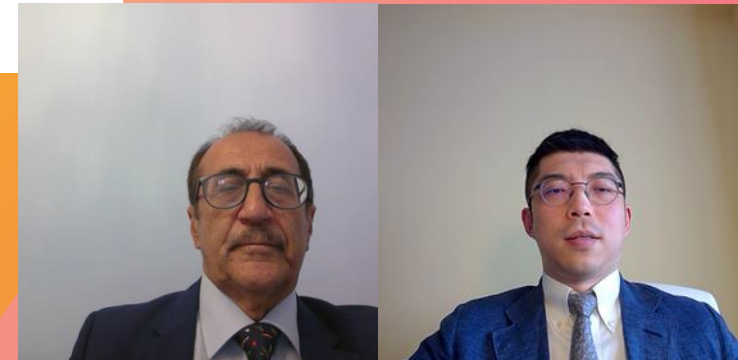


Voluntary Guidelines for *Sustainable Green Rice Standard* in Chongming Island of Shanghai, China

Parviz Koochafkan & Xin Zhang
World Agriculture Heritage Foundation
(WAHF)



2020 . 10



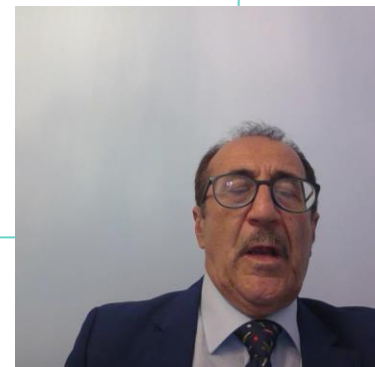
About the World Agricultural Heritage Foundation (WAHF)



WAHF was created in 2013 after my retirement from FAO as an International NGO to support the Globally Important Agricultural Heritage Systems (GIAHS) that I conceptualized and registered in 2002 as Global Partnership Initiative at World Summit on Sustainable Development on behalf of FAO.

It is an International NGO, Similar to ICOMOS of World Heritage Convention of UNESCO, to Support Small Holders, Family Farmers as well as the GIAHS and NIAHS communities by providing:

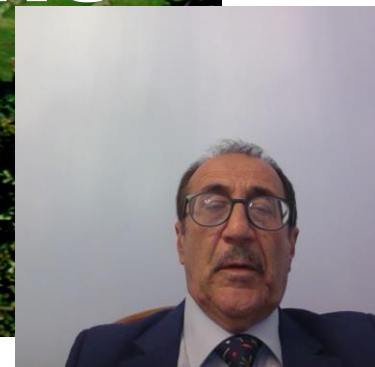
- **Education and Training**
- **Policy and Advocacy Support for Agricultural Heritage and Sustainable Food Systems**
- **Funding and Resource Mobilization**



What are GIAHS?

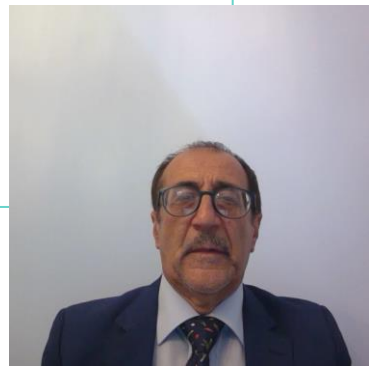


“Remarkable Land Use Systems and landscapes that are rich in biological diversity evolving from the co-adaptation of a community and their needs and aspirations for sustainable development (FAO, 2002)”





- ⇒ **Food and livelihood security**
- ⇒ **Biodiversity and genetic resources**
- ⇒ **Indigenous and Local knowledge of individuals and community**
- ⇒ **Cultural Diversity of Agri-“Culture” including product and service diversity**
- ⇒ **Landscape diversity and aesthetic values**



WAHF, GIAHS AND SUSTAINABLE FOOD SYSTEM

We have been assisting communities and countries to identify, support and safeguard their Globally and Nationally Important Agricultural Heritage Systems and their livelihoods, agricultural biodiversity, knowledge systems, cultures and landscapes around the world



Morocco Oases System



Philippines Rice Terraces



China Rice Fish System



Chiloé Agriculture



Waru Waru, Peru



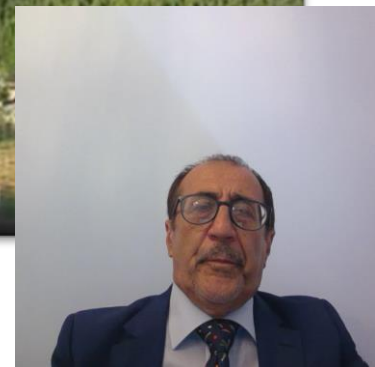
Soave, Italy



Saffron, Iran and India



Satoyama
Japan

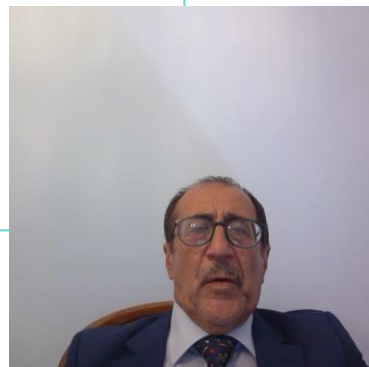


GREEN AGRICULTURE & SUSTAINABLE FOOD SYSTEMS

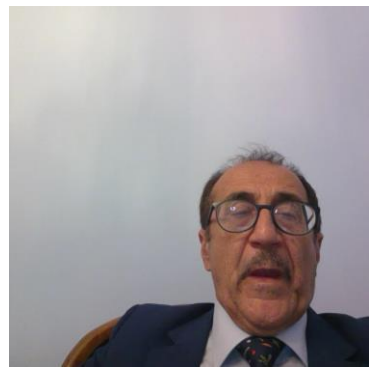
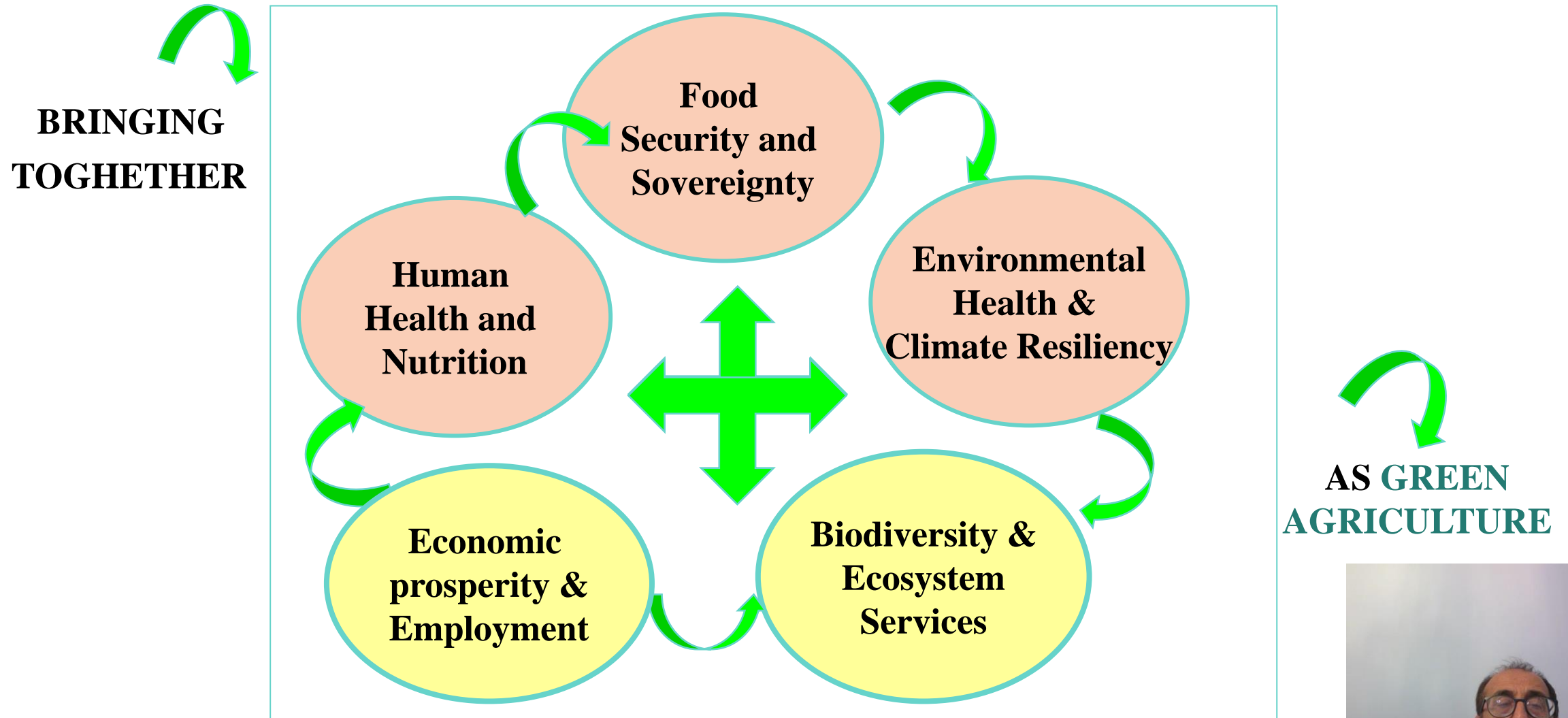


Is About Rebuilding Sustainable Food System That Include

- **Ecosystem Diversity**
- **Socio-economic Diversity**
- **Cultural Diversity**
- **Culinary Diversity**
- **Curative Diversity**



WAHF, GREEN AGRICULTURE AND SUSTAINABLE FOOD SYSTEM



GREEN AGRICULTURE AND SUSTAINABLE FOOD SYSTEM

Promote Agroecological strategies

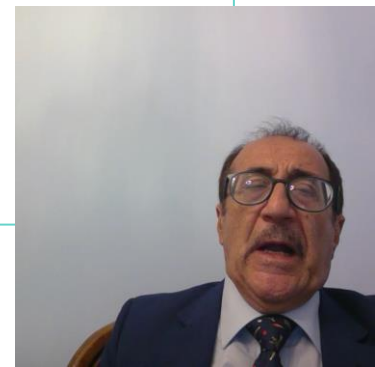
Polycultures

**Animal
integration**

Rotations

**Organic
amendments**

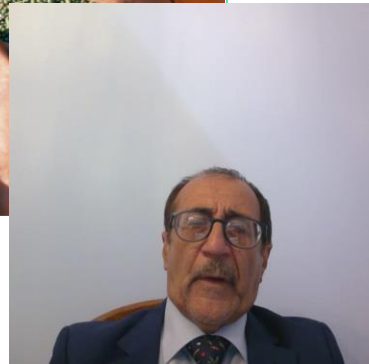
**Green
manuares**



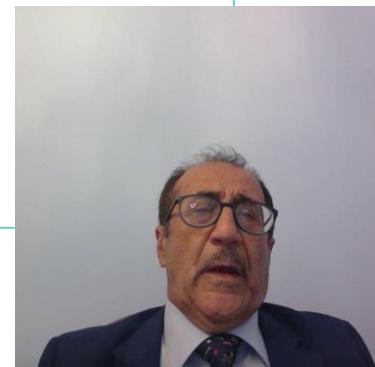
GREEN AGRICULTURE AND SUSTAINABLE FOOD SYSTEM

Include Agricultural Heritage and Food Culture

Green Agriculture and GIAHS is supporting the revitalization of indigenous and local crops and varieties and their contribution to local food system and food heritage



Save Unique Agricultural Heritage Systems at risk



GREEN AGRICULTURE AND SUSTAINABLE FOOD SYSTEM

Operate at Three Levels

➤ At Global level

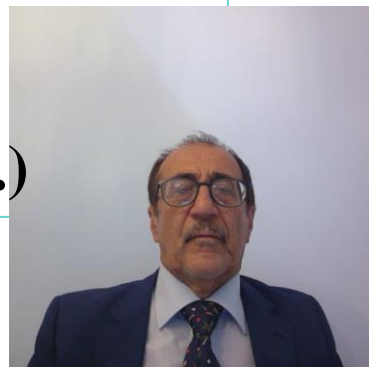
Include identification, selection and recognition of GIAHS and their communities

➤ At National level

by capacity building in policy, regulatory and incentive mechanisms to safeguard outstanding agricultural systems and use them as sustainability benchmark systems

➤ At Local Level

by empowerment of local communities and technical assistance, promoting traditional knowledge and enhancing viability of these systems through economic incentives (labelling, PES, Agro-Tourism...)

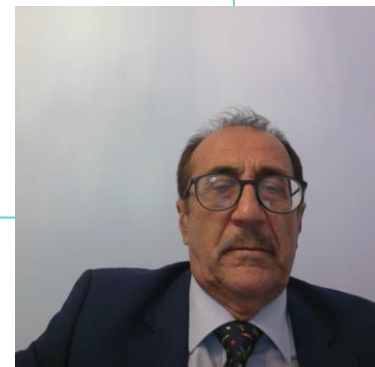


GREEN AGRICULTURE AND SUSTAINABLE FOOD SYSTEM

Set-up GIAHS, NIAHS and Green Agriculture Labelling

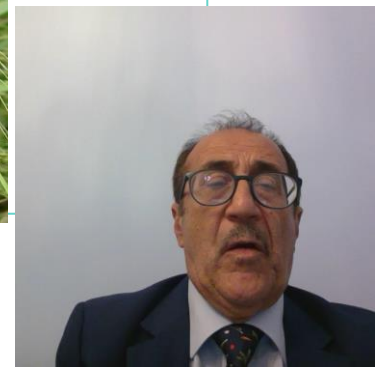
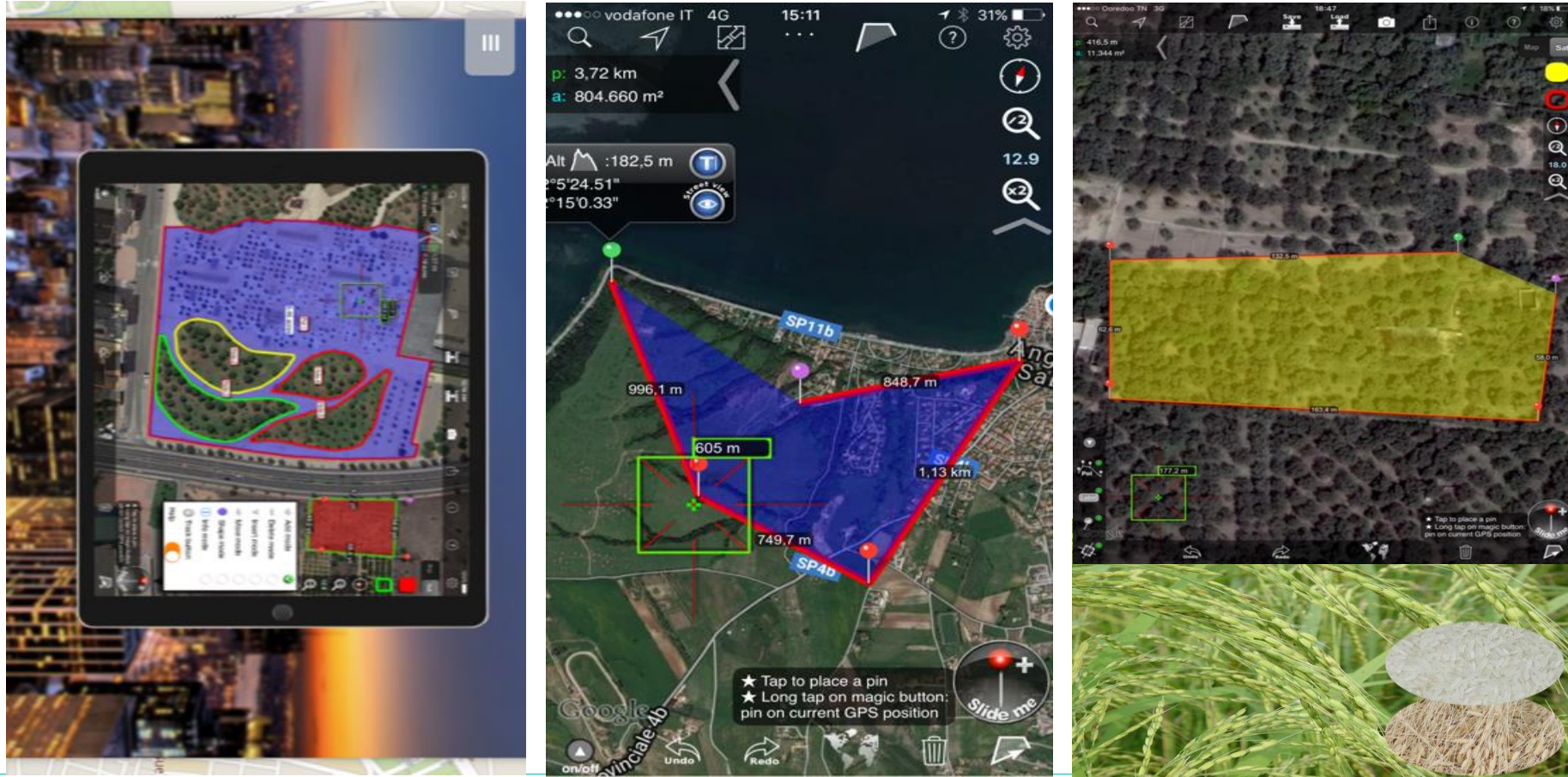


Food labeling and niche market in China



GREEN AGRICULTURE AND SUSTAINABLE FOOD SYSTEM

Includes AgLegacy Ap. For Geo-referencing and Geo-tagging Farmers' Heritage





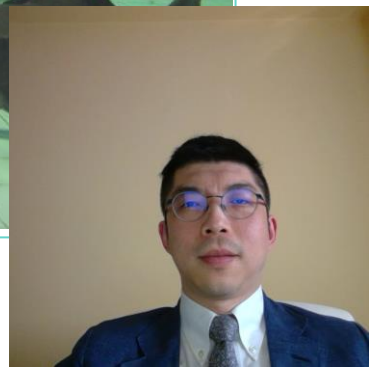
Voluntary Guidelines for Sustainable Green Rice Standard in Chongming Island



SUSTAIBABLE GREEN RICE STANDARD IN SHANGHAI

Transforming to Green Agriculture

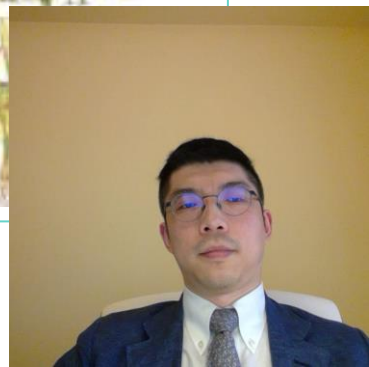
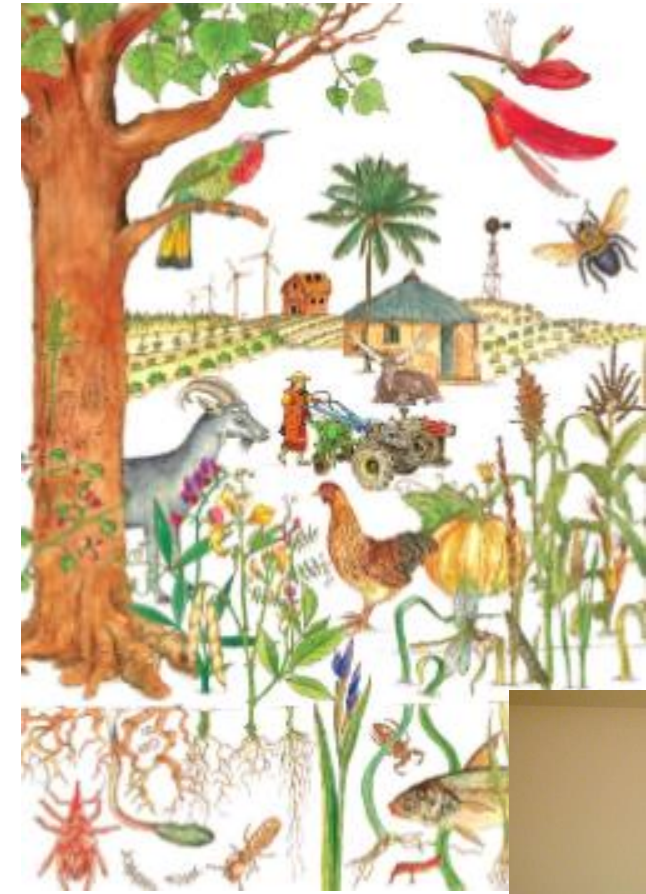
- holds 25% of Shanghai's rural areas, 25% the Shanghai's forest areas, 1/7 of vegetable supply and grain production. For rice, the Chongming accounts for 22% of total rice production of Shanghai.
- Major ecosystem types on Chongming Island are agro-ecosystems supported by **polder system** and **natural wetland ecosystems**.
- the most important natural breeding ground for migratory aquatic species in the Yangtze River.



SUSTAIBABLE GREEN RICE STANDARD IN SHANGHAI

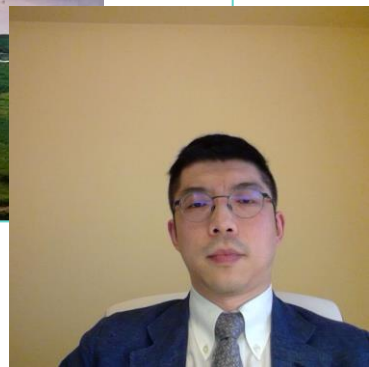
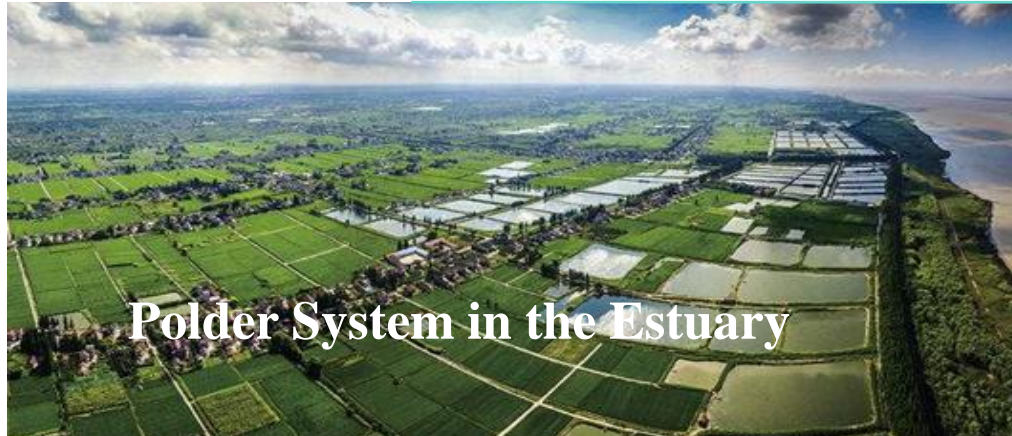
Strategic Green Plan of the “Chongming World-class Ecological Island”

- the “13th Five-year Plan for the Development of Chongming World-class Ecological Island
- focusing on the areas of smart farming, agri-tourism, urban forestry and garden, while implementing agroecology principles, ICTs methods, social inclusive policies, innovative business circumstance and strategic investing plans, to revitalize rural economy and enhance rural-urban linkages.
- applying the **NIAHS** in China since 2020 – guided by WAHF
- Setting up the Green Agriculture Standards, starting from RICE – guided by **Agroecology** and **criteria of sustainable agricultural systems** derived by Parviz Koohafkan and others .






SUSTAIBABLE GREEN RICE STANDARD IN SHANGHAI

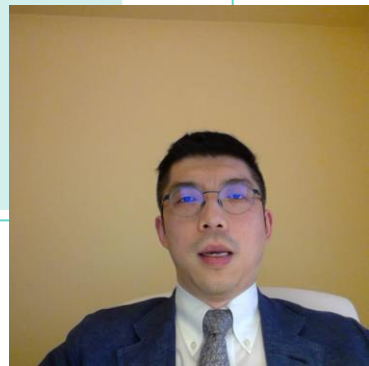
Alluvial Island Agroecological System in the Yangtze River Estuary



SUSTAIBABLE GREEN RICE STANDARD IN SHANGHAI

China's Green Food

STANDARDS & REQUIREMENTS	CERTIFICATIONS	LOGOS IN CHINA
<p>No use of pesticides, chemical fertilizers and other chemical inputs</p>	<p>ORGANIC FOOD & GREEN FOOD (GRADE AA)</p>	
<p>Limited use of pesticides, chemical fertilizers and other chemical inputs</p>	<p>GREEN FOOD (GRADE A)</p>	
<p>Pesticides, heavy metals and micro-organism contents within food are under government standard and safe of consumers.</p>	<p>SAFE FOOD</p>	



SUSTAIBABLE GREEN RICE STANDARD IN SHANGHAI

Reference and Main Content of the Sustainable Green Rice Standard



Planning and Management

Control of Entire Value Chain

Ecological System Management and Conservation

Natural Resource Conservation

Improved Livelihoods and Human Wellbeing

ICS 65.020.01
B 04

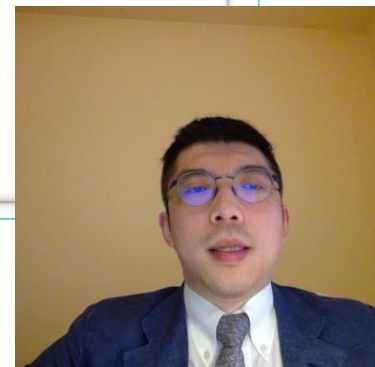
Sustainable Green Agriculture Standard
可持续绿色农业标准



World Agricultural Heritage Foundation
www.worldagriculturalheritage.org

Sustainable Agriculture Standard
of No-Chemical Synthetic Pesticides and Fertilizers
- Sustainable Green Rice

(Draft for comments)
SGAS XXX-2020
Adopted in 2020.



SUSTAIBABLE GREEN RICE STANDARD IN SHANGHAI

Measures for Sustainable Green Rice Development

LOCAL POLICY

- Policy on Promoting Urban Modern Green Agriculture Development
- Whitelist of ecological pesticides and fertilizers

TECHNICAL GUIDANCE

(FAO TCP PROJECT)

- Technical Specification on Sustainable Green Rice Production.

STANDARD

(WAHF PROJECT)

- Sustainable Green Rice Standard
- Sustainable Green Rice Certification System and food labeling

OPERATION MEASURES

- 16 smart agro-input supermarkets
- Green Agro-Input management system; and Pesticide Traceability System



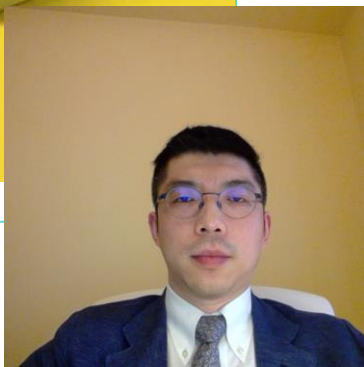
SUSTAIBABLE GREEN RICE STANDARD IN SHANGHAI

Certification System and Food Labeling

- Difference from the Organic Rice Standard:
+ **sustainable requirements**
- **“Green Food+”** Certification Approach



- **Instrument** of implementing the **Action Plan** of a GIAHS/NIAHS site
- **Food labeling** for GIAHS/NIAHS products
- Promoting **Sustainable GIAHS/NIAHS Standards** at sub-national level





THANK YOU

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