

The Economics of Ecosystems and Biodiversity (TEEB) for Agriculture and Food: Implementation in China



Mainstreaming the Value of Nature

“绿水青山就是金山银山”
Lucid waters and lush
mountains are invaluable assets.
or **Green is Gold.**

Shared same core value!



Image Source: Sichuan National Culture and Imaging Art Association
Photographer: WANG Xiaolin

Challenges



Water resource depletion



Agricultural pollution



Land degradation



Example of impact: food safety concerns

How TEEB can contribute to the transformation?

National level: selection of case areas

Inception Workshop on TEEB: Promoting a Sustainable Agriculture and Food Sector—Implementation in China
20–21 August 2019, Beijing China



TEEBAgriFood inception workshop (August 2019)

Scoping and selecting case candidates

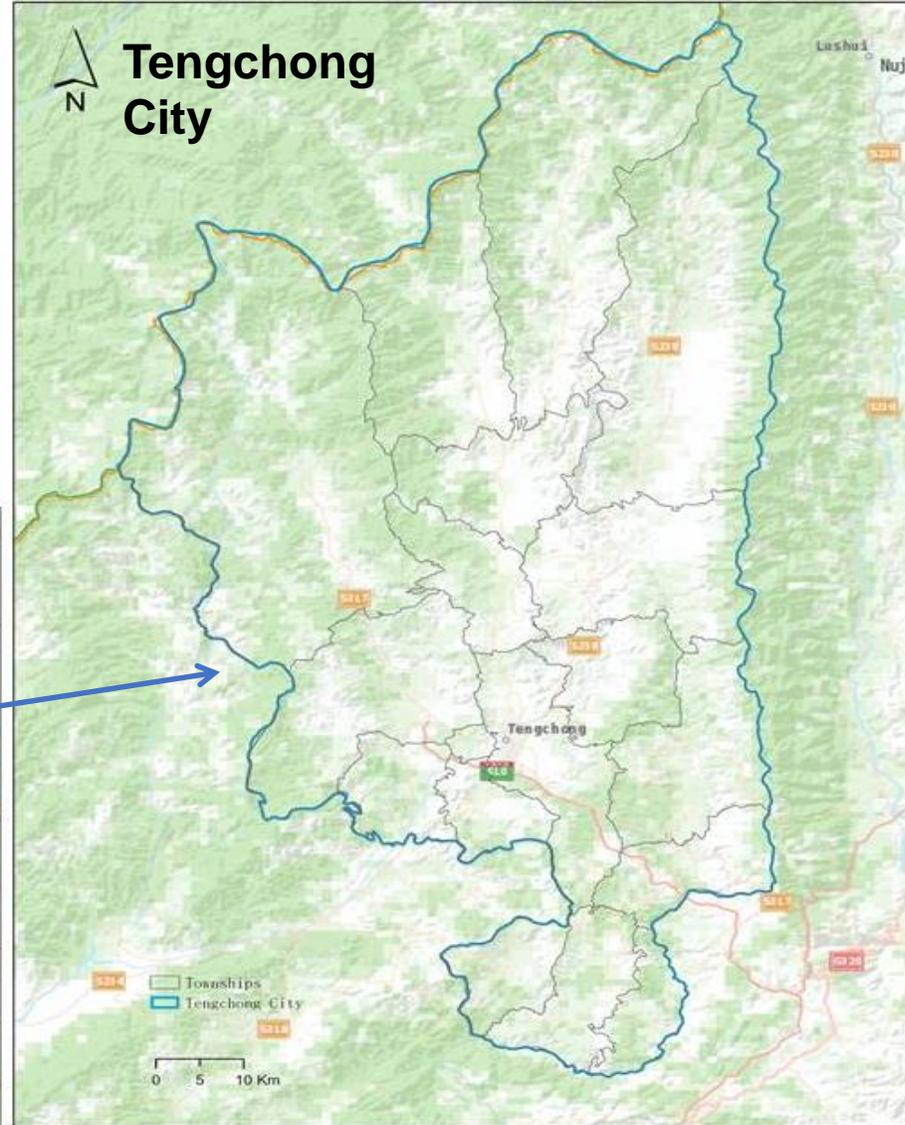
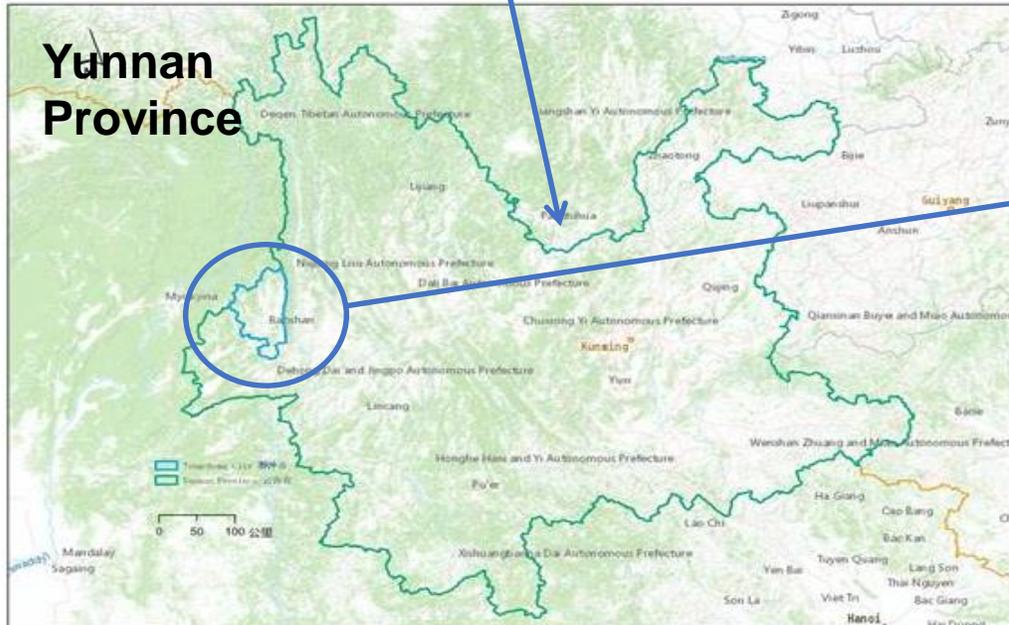
- Grassland eco-compensation (Inner Mongolia)
- Crab-breeding in modern agricultural park (Jiangsu)
- Green agriculture development (Tengchong, Yunnan)
- Integrated land management of terraces (Hani, Yunnan)

1st PSC meeting (July 2020)

- PSC's presence: MEE-CRAES, MARA-REEA, CAS, UNEP-IEMP
- **Green agricultural development of Tengchong City, Yunnan Province was selected as the case for TEEB AgriFood analysis**



Tengchong City, Yunnan Province



- Mountain area
- Excellent ecological environment
- Crop and livestock farming
- **National practice and innovation base for "lucid waters and lush mountains are invaluable assets"**

Tengchong: challenges, vision and goal

Challenges	Vision	Goal
<ul style="list-style-type: none">• Agricultural non-point pollution• Low value-added of agricultural products	<p>To develop high-quality modern industrial system</p> <ul style="list-style-type: none">- healthy food- healthy medicine- healthy sports- healthy tourism	<ul style="list-style-type: none">- Integrated development of the three industries- Construction of green food bases



Development of scenarios



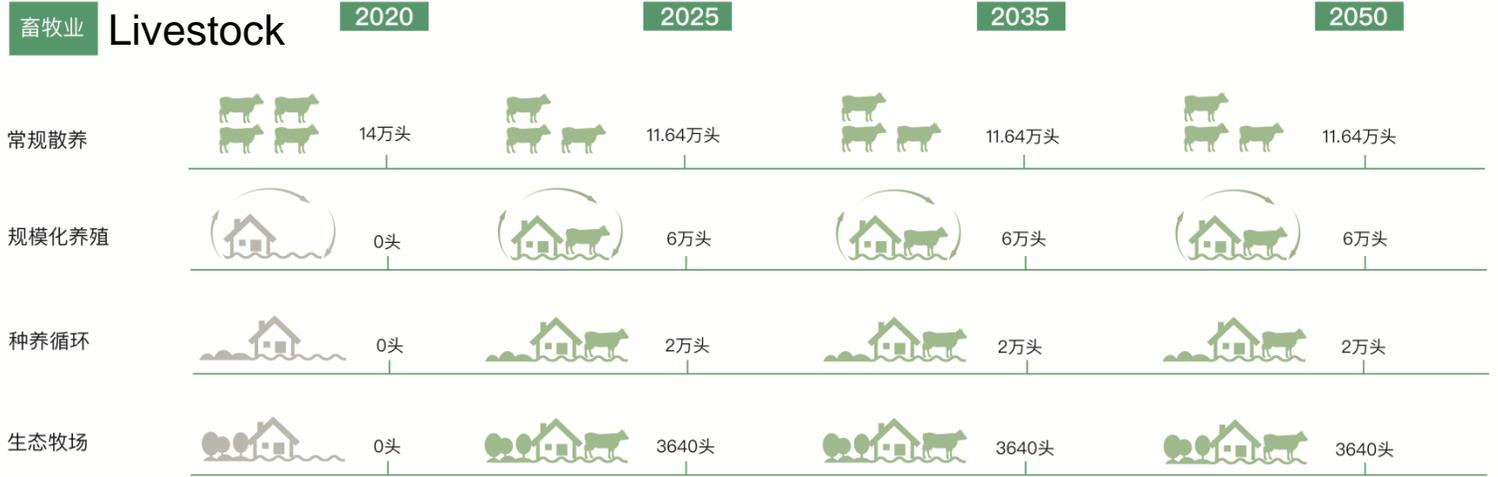
Local stakeholder consultation
(Oct. 2020)



2nd PSC meeting (Feb. 2021)

基准情景

Example: baseline scenario



种植业 Plantation



Links to policy

National	<ul style="list-style-type: none">• Overall guidance: Ecological Civilization & the development concept of “lucid waters and lush mountains are invaluable assets”• Zero-growth action on pesticides and fertilisers & resource-oriented utilization of crop straw, livestock and poultry manure
Provincial	<ul style="list-style-type: none">• Yunnan’s Green Food Program• “One county, one industry” demonstration plan
Local	<ul style="list-style-type: none">• Construction of green food base: pollution control, circular economy (crop straw, livestock and poultry manure), integrated development of the primary, secondary, and tertiary sectors & green and endemic food branding• Development of medicinal herbs industry (“One County, One Industry” demo)• Development of beef cattle industry (scaled beef cattle breeding & ecological pastures)