

International Workshop - Session 2

Brief introduction to China TEEB
National Action Plan



Brief introduction to China TEEB National Action Plan

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TEEB - The Economics of Ecosystems and Biodiversity - has made significant progress in mainstreaming the values of nature into decision-making in Europe and globally, and there is a desire on the part of key stakeholders (European Union, Ministry of Environmental Protection of China, CRAES, BfN, UNEP) to promote the process in China through exchange of experiences and capacity development between the EU and China.

In the report of the 18th Party Congress, Eco-civilization (Fig. 1) is integrated into the development model of Five-in-One. Eco-civilization is emphasized and shall be integrated into the construction of economy, politics, culture and society. Valuing natural resources and integrating the results into sustainable use of natural resources, biodiversity conservation and government performance accounting systems is the core of eco-civilization. MEP implement the China TEEB action plan (Fig. 2) in 2014 and has these objectives: Establish a TEEB method system that is suitable for Chinese conditions; Enhance public understanding of biodiversity value and protection awareness; Facilitate the promulgation of policies for biodiversity conservation and sustainable utilization; Establish biodiversity resources and assets valuation and management methods in TEEB demonstration areas; Put forward methods for paid use of biodiversity resources; Explore ways to mainstream biodiversity into government performance examination system.

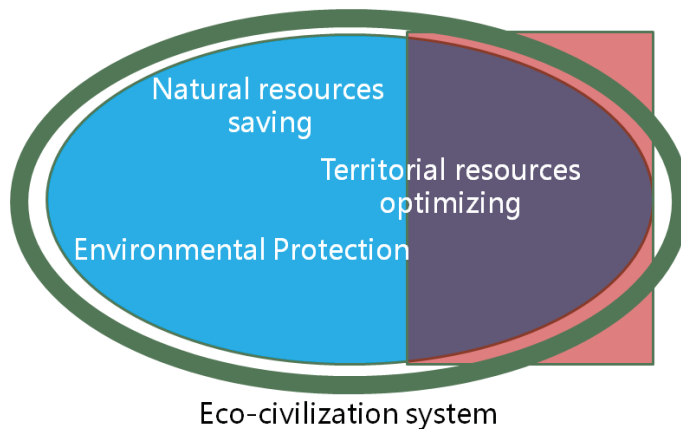


Fig. 1 Four parts of eco-civilization

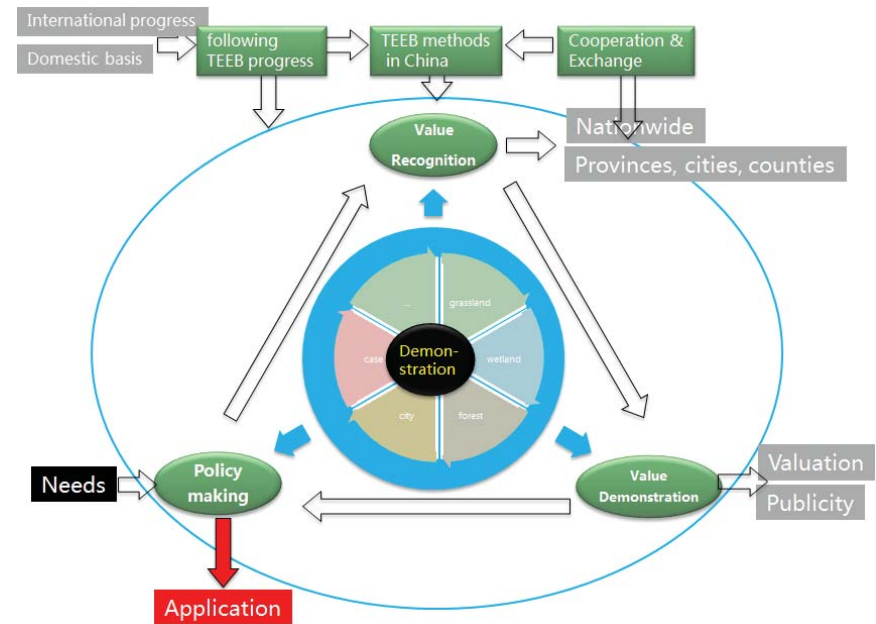


Fig. 2 Six parts of China TEEB Action Plan



The **E**conomics of **E**cosystem services and **B**iodiversity (**TEEB**)

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RESEARCH
ACADEMY OF ENVIRONMENTAL

Content



Status

Needs

Actions

- Early start: 1980s
- Focus on ESS (evaluation of ecosystem services)
- ESS valuation mainly focus on forest, grassland and wetland
- Little is on species and genetic valuation
- Valuation of Species: only include **key protected species** (panda, siberian tiger, Tibetan antelope), & **species with high market prices** (medicinal plant, ornamental plant)



- The valuation is not all-sided
- Flawed estimation methods and insufficient data
- One-sided valuation result, repetitive computation and incomplete computation
- Valuation results not widely recognized
- Valuation results not put into application



Content



Status

Needs

Biodiversity

Eco-civilization

Why does China need TEEB?

Target 1: By 2020, at the latest, people are aware of the values of biodiversity and the steps they can take to conserve and use it sustainably.

Target 2: By 2020, at the latest, biodiversity values have been integrated into national and local development and poverty reduction strategies and planning processes and are being incorporated into national accounting, as appropriate, and reporting systems.

Target 4: By 2020, at the latest, Governments, business and stakeholders at all levels have taken steps to achieve or have implemented plans for sustainable production and consumption and have kept the impacts of use of natural resources well within safe ecological limits.

- Biodiversity is important natural resources.
- China is one of the 12 countries in the world with richest species and many types of ecosystems.
- However, due to lack of awareness and policy disadvantages, the trends of biodiversity loss and ecosystem degradation are not mitigated effectively.
- Conservation of biodiversity has become an urgent task for China.

Needs

- Why does China must construct eco-civilization?



Air pollution



Marine pollution



Water pollution



Land desertification



Biodiversity decline

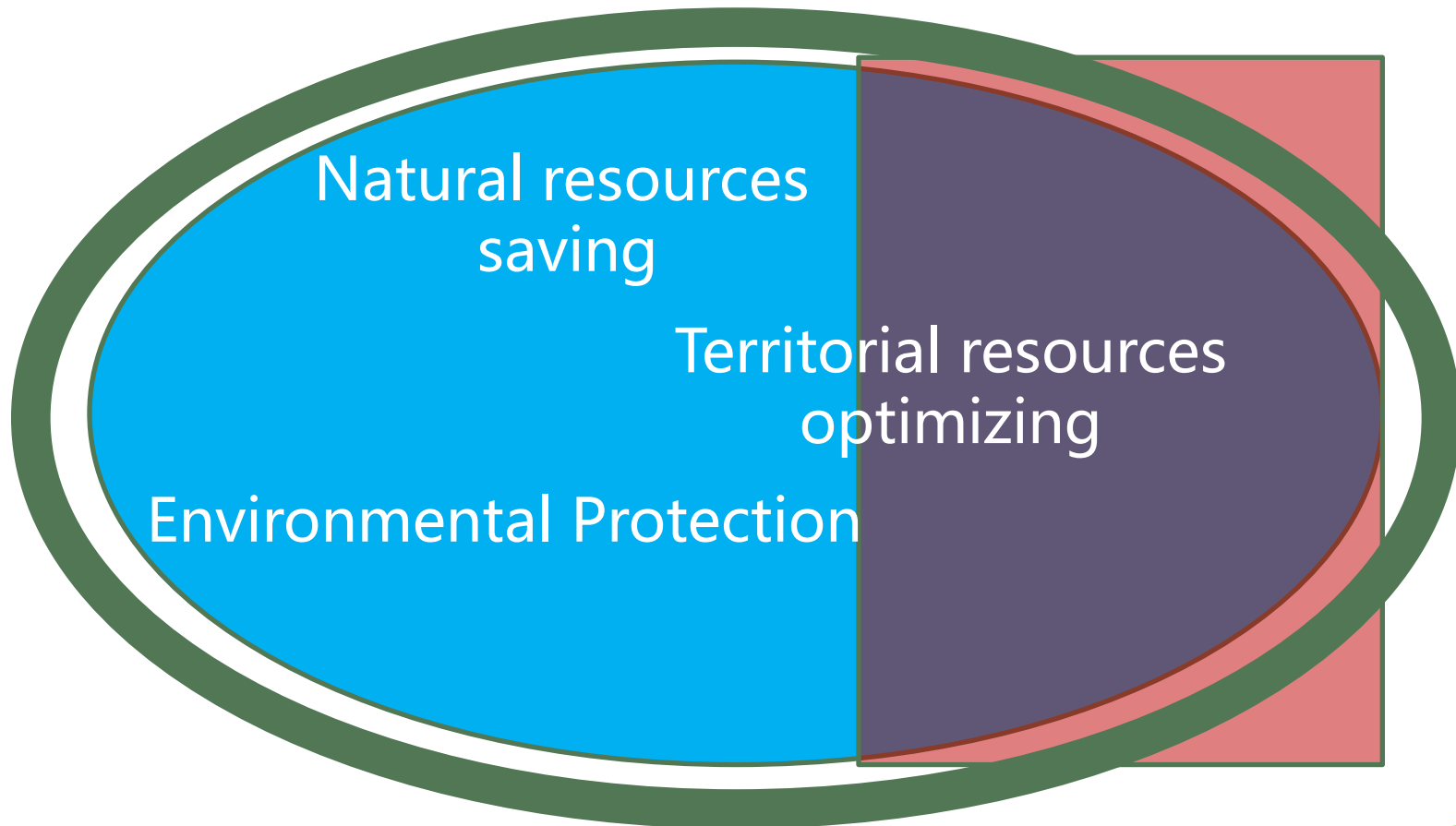


Decrease of forests

Needs

What is eco-civilization in China?

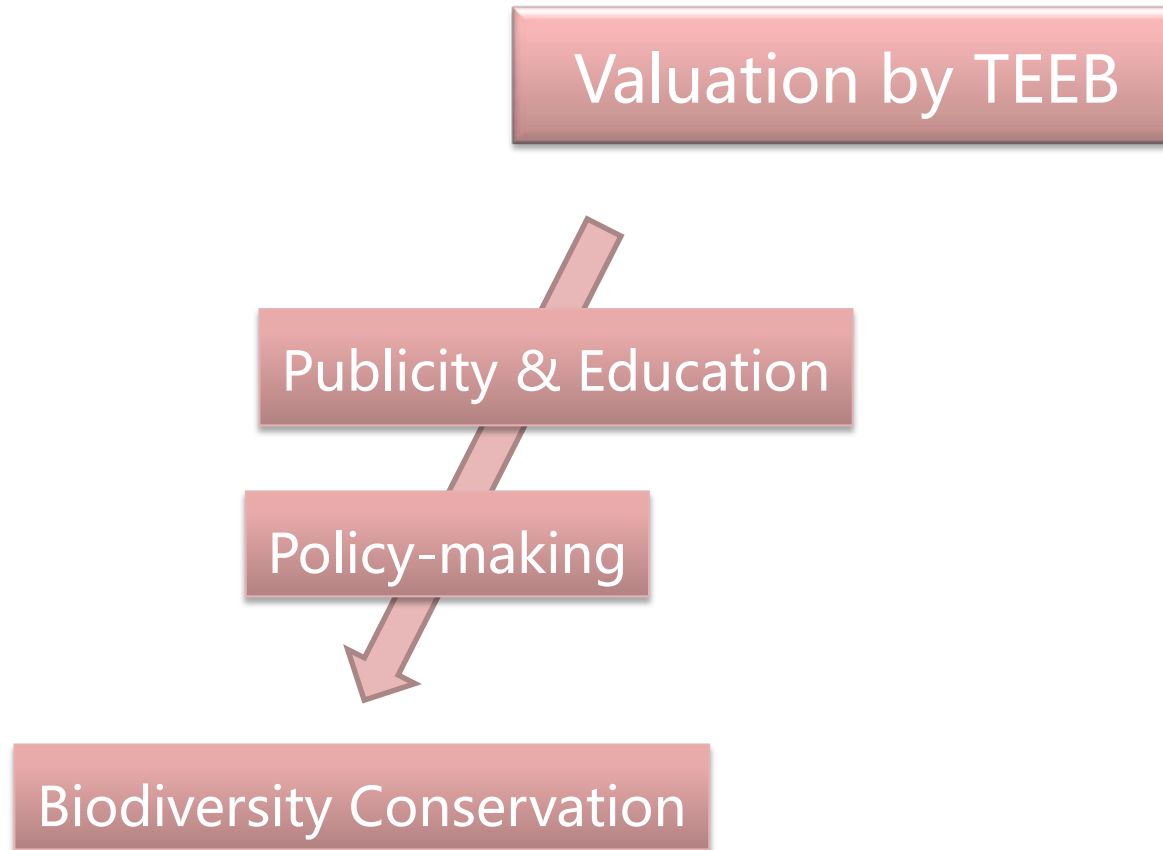
- People live harmoniously with nature.
- Economy and society develop sustainably



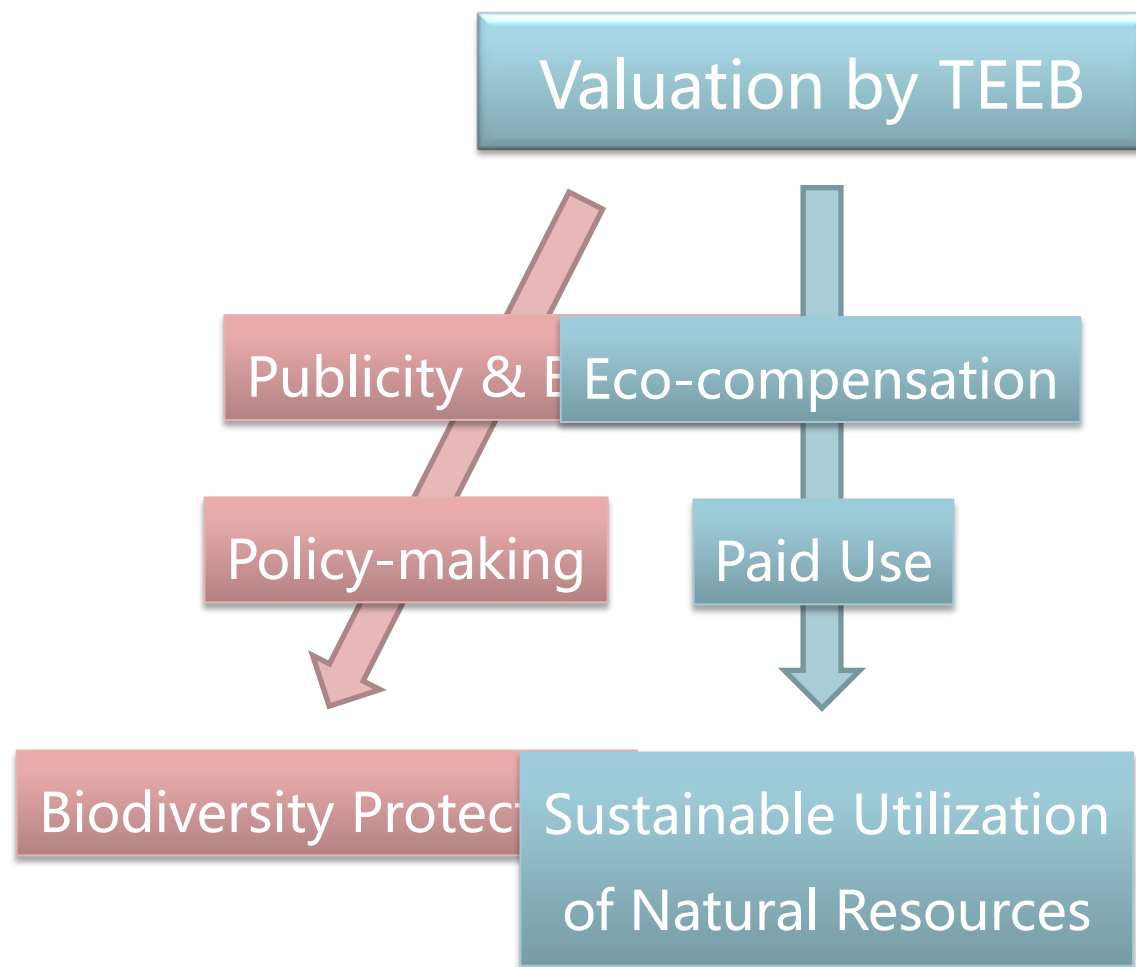
Eco-civilization system

Needs

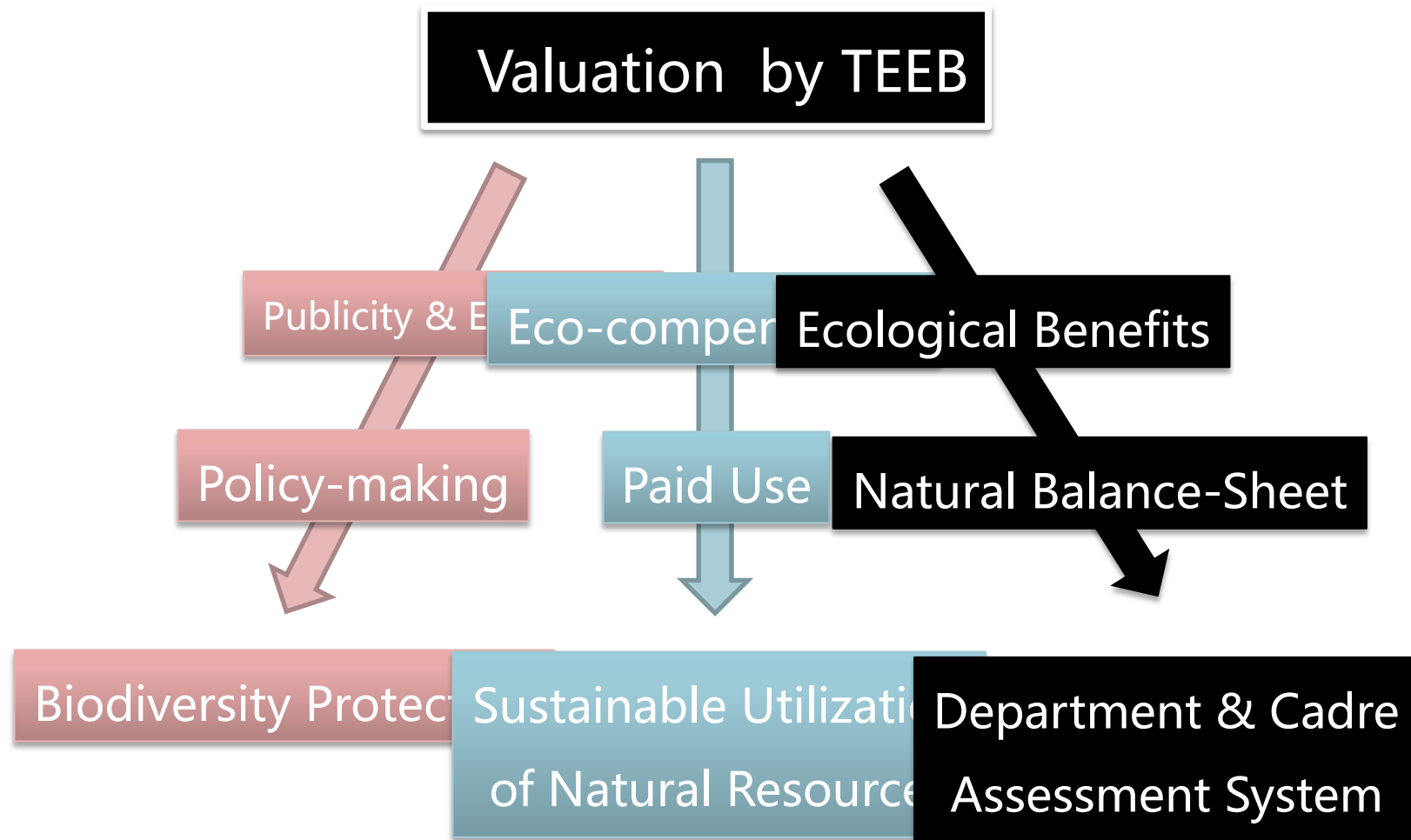
- What can biodiversity valuation do for China



Needs



Needs



Content



Status

Needs

Actions

2014~2016

Cooperate with UNEP TEEB

MEP initiate

CRAES implement

China TEEB Action Plan-Objectives

- ✓ Establish a TEEB method system that is suitable for Chinese conditions;
- ✓ Enhance public understanding of biodiversity value and protection awareness;
- ✓ Facilitate the promulgation of policies for biodiversity conservation and sustainable utilization;
- ✓ Establish biodiversity resources and assets valuation and management methods in TEEB demonstration areas;
- ✓ Put forward methods for paid use of biodiversity resources;
- ✓ Explore ways to mainstream biodiversity into government performance examination system.

China TEEB Action Plan-Content

International progress

Domestic basis

following
TEEB progress

TEEB methods
in China

Cooperation &
Exchange

1. Systemize current TEEB theory and methodologies
2. Develop China TEEB methodology
3. Pilot sites selection and case studies
4. TEEB propagandize and training
5. Strengthen international collaboration and communication
6. Mainstream TEEB into policy

making

Demonstration

Application

Systemize current TEEB theory and methodologies

1. Understand and keep track of the current TEEB status both nationally and internationally
2. Review and evaluate national and international TEEB methods and tools
3. Develop an experts consulting system for China TEEB

Develop China TEEB methodology

4. Develop an indicator system for biodiversity valuation
5. Develop TEEB methodological systems that are suitable for various industries, ecosystems and scales, ranging from national to regional
6. Develop TEEB implementing guidance/standards for different industries and areas

Pilot sites selection and case studies

7. Establish TEEB demonstration areas at county, city and province levels
8. Conduct case studies on the evaluation of typical ecosystem services
9. Conduct case studies on the evaluation of key species and genetic resources
10. Integration of TEEB Business
11. Conduct biodiversity evaluation at various scales, ranging from county, city to province and country

TEEB propagandize and Training

12. Raise public awareness towards the value of biodiversity via various propagandistic activities
13. Organize a series of training activities for relevant governmental administrators, university technicians, as well as media and private sectors
14. Develop and publish training materials for various audiences in various forms
15. Establish TEEB network platform. This will serve as a resource database of basic information and a platform for comprehensive services including propaganda and training

Actions

International collaboration and communication

- 16. Conduct international TEEB workshops and scholar exchanging activities
- 17. Conduct cooperative researches and projects with international experts

Promote the mainstreaming of TEEB into policy

18. Identify current TEEB-related policies, understand the gaps and needs, and provide corresponding suggestions
19. Explore various approaches to invest in natural capital evaluation, in order to achieve its sustainable use
20. Develop indicator systems and tools to mainstream biodiversity and its values into Government Performance Assessment
21. Refer to the TEEB framework, biodiversity indicator systems and tools can be used for PES and Eco-compensation
22. Refer to the TEEB framework, biodiversity indicator systems and tools can be used for the property right and use management of natural capital



Thank you for your attention!

