

# Trends and Challenges of Area-based Biodiversity Conservation in Japan

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## 1. Introduction

- The CBD/COP15 will set a target of 30 by 30 (30% of the land and ocean areas to be protected areas by 2030).
- Biodiversity offsetting, which are considered effective in achieving these goals
- Biodiversity offsetting are not mandatory in Japan
- Japanese government have been started considering for achieving 30 by 30

## Purpose for this study

- Identify **trends and future issues** related to biodiversity conservation in Japan
- Clarify **perspectives** on the Japanese-style biodiversity banking

## 2. Method of this Study

- 2.1 Summited **systems and activities like biodiversity offsets** in Japan since the CBD COP10
- 2.2 Identified issues related to biodiversity conservation in Japan

## 3. Results

### 3.1 Systems and activities like biodiversity offsets in Japan since the COP10

- Collected 6 cases from 2015 to 2022 from Ministry of the Environment and 2 local governments
- Latest consideration for implementation of Biodiversity Offsetting in 2017
- **Local governments have mandated** ordinance or basic plan like biodiversity offsetting
- Local government's case is characteristic that **proxy for compensatory mitigation using payment**

Table: Collected cases systems and activities like biodiversity offsets in Japan since the COP10

Year of Established or Published	Who Established or Published	Type of the Case	Title	Keyword
2015	Karumai Town, Iwate	Basic Plan	Karumai Town Basic Plan for Rural Area Promotion with Renewable Energy Generating	Proxy for compensatory mitigation using compensation payment
2015	Minoh City, Osaka	Ordinance	Mino City ordinance of Tax on Development Projects for Greening	Proxy for compensatory mitigation using development tax
2017	Ministry of the Environment Japan (MOE)	Case Studies	Collection of case studies on Biodiversity Conservation	Accumulating cases for Biodiversity Offsetting or like activity from other country and Japan
2018	MOE	Basic Plan	The 5 <sup>th</sup> Environment Basic Plan	Regional Circular and Ecological Sphere
2021	MOE	Considering for the new system	Draft Criteria for Certification of Nature Symbiotics Sites	Nature Symbiotics Sites (Japanese-style OECM)
2022	MOE	Considering for the new system	Study Group on Economic Incentives for 30 by 30	Considering for Mitigation Banking

### 3.2 Challenges of Biodiversity Conservation in Japan

What context has been considered?

Up to 2022: Improvement the **Environmental Impact Assessment** system  
Since 2022: **mainstreaming of biodiversity**

What is Lacking in Biodiversity Conservation?

1. **No-Net-Loss** policy
2. Involvement of **Various stakeholders**
3. Awareness of **spatial and chronological expanses** on biodiversity
4. **Venal motive** for biodiversity conservation
5. **Quantitative biodiversity evaluation** based on biological relevance

Concern for **same challenges** on Biodiversity offsetting in the EIA that other countries have **experienced**

## 4. Conclusion (Perspectives in Japanese-style Biodiversity Banking)

Perspectives in Japanese-style Biodiversity Banking:

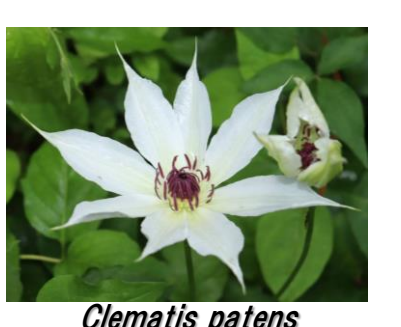
1. Implementation of **No-Net-Loss policy**
2. Involving **Various stakeholders**
3. Collection of biodiversity information with an awareness of **spatial and chronological expanses**
4. Long-term **Financial Planning**
5. Potential Analysis with **Quantitative Biodiversity Evaluation Method**

Implement to the first Biodiversity Bank in Japan

As the prospectus of Tsubaki-TC Satoyama Bank



Photo: Overhead view of the Tsubaki-TC Satoyama Bank



*Clematis patens*



*Neozephyrus japonicus*

Endangered Species in Tsubaki-TC Satoyama Bank

### References

Karumai Town, Iwate Pref. (2015) : Karumai Town Basic Plan for Rural Area Promotion with Renewable Energy Generating.  
Minoh City (2014) : Mino City ordinance of Tax on Development Projects for Greening

MOE (2022) The Draft scheme for certification of the Areas where biodiversity is being conserved through private sector efforts (OECM) in Japan.

Tsubaki-TC Satoyama Bank (2022) About Tsubaki-TC Satoyama Bank.  
<https://www.tsubakisatoyamabank.com>