MONITORING AND EVALUATION METHOD FOR BIODIVERSITY CONSERVATION AND SUSTAINABLE USE THROUGH MULTI-STAKEHOLDERS GOVERNANCE

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- No FAO standard process or guideline of monitoring & evaluation (M&E) on GIAHS
- GIAHS sites to conduct M&E based on each own standards and process
- Japan: Brief Format for Self-Evaluation; China & Korea: In process of creating M&E process



WHAT AREAS TO MONITOR & EVALUATE FOR GIAHS?



Monitor results of conservation activities for 5 key criteria, which essentially can be broadly categorized as economic, social and ecological impacts

WHY THE NEED FOR MONITORING & EVALUATION?



4



Keep track of changes and threats for timely solutions
 Stock take of conservation activities and its results
 Streamline processes to avoid duplication of effort

- For providing supporting data to governments so as to assist their policy making decisions
- For feedback to communities to sustain interest and encourage commitment
- For reporting to taxpayers/donors and share lessons with other similar projects/sites



HOW TO MONITOR & EVALUATE?





MONITOR & EVALUATION THROUGH MULTI-STAKEHOLDER GOVERNANCE

- From August 2015, UNU-IAS is conducting a 3-year Japan Ministry of Agriculture, Forestry and Fisheries (MAFF) funded research project on "Monitoring and Evaluation Method for Biodiversity Conservation and Sustainable Use through Multistakeholders Governance" (or BME). Research objectives include:
 - Holistically monitor and evaluate the activities taken to promote biodiversity conservation through sustainable use of natural capital for agricultural activities.
 - Incorporate international standards and norms on M&E process, while including perspectives important to Japan's current situation
 - Understand and develop new approach for multi-stakeholders governance
- Case study sites include Japan GIAHS sites and other domestic sites renown for integrating biodiversity conservation with agricultural production
- □ Team Leader: Prof. K. Takeuchi. Members: Evonne Yiu, Nagata Akira et.al

Table 6. The results framework



Results	Indicators	Baseline	Target	Means of Verification	Risks & Assumptions
Impact statement (Ultimate benefits for target population)	Measure of progress against impact				Assumptions made from outcome to impact. Risks that impact will not be achieved.
Outcome statement (Short- to medium- term change in development situation)	Measure of progress against outcome				Assumptions made from outputs to outcome. Risks that outcome will not be achieved.
Outputs (Products and services—tangible and intangible— delivered or provided)	Measure of progress against output				Assumptions made from activities to outputs. Risks that outputs may not be produced.
Activities (Tasks undertaken in order to produce research outputs)	Milestones or key targets for production of outputs				Preconditions for implementation of activities.

The Results Framework"

Source: UNDP(2009) "Handbook for Planning, Monitoring and Evaluating for Development Results"



INDICATORS OF RESILIENCE IN SEPLS

- "Indicators of Resilience in Socio-ecological Production Landscapes and Seascapes (SEPLS)" are a tool for engaging local communities in adaptive management of the landscapes and seascapes in which they live.
- Communities can increase their capacity to respond to social, economic, and environmental pressures and shocks, thus increasing the social and ecological resilience
- 20 indicators designed to capture different aspects of key systems ecological, agricultural, cultural and socio-economic.
- Both qualitative and quantifiable indicators, but measurement is based on the observations, tallies, perceptions and experiences of the local communities.
- □ To be used flexibly and can be customized to reflect the circumstances of each particular landscape or seascape and its associated communities.

SATOYAMA RESILIENCE INDICATOR

SATOYAMA INITIATIVE:

- Ecological Landscape/Seascape biodiversity & ecosystem protection Biodiversity (incl. agro-diversity)
- Social IK nowledge & innovation Governance & social equity
- Economic DLivelihoods & wellbeing

20 indicators under 5 themes self assessment scoring on 1-5 scale





Example Chart of Assessment Results



MULTI-NESTED GOVERNANCE FOR M&E



 UNDP Evaluation Model etc
 Evaluation focused on macro level socioeconomic aspects encompassing broad perspectives
 Emphasize on third party assessment
 Top down approach

Monitoring and Evaluation Method taking into account of the needs and current state of rural communities in Japan, and thereby also propose a new approach of co-management (multinested governance)

 SATOYAMA Initiative Evaluation Model etc
 Evaluation focused on micro-level community-based, ecological resilience approach
 Emphasize on self-Assessment

 Bottom-up approach through communitybased cooperation

FORMULATING M&E FORMAT

Formulate M&E format based on international evaluation models such as UNDP and United Nation University's Satoyama Initiative etc while also including perspectives important and relevant to the Japanese context

UNITED NATIONS



PROPOSED FRAMEWORK FOR MONITORING & EVALUATION OF ACTIVITIES TAKEN FOR BIODIVERSITY CONSERVATION AND SUSTAINABLE USE THROUGH MULTI-STAKEHOLDERS GOVERNANCE (DRAFT)



FORMULATE ACTION PLAN

1. Current state of site

(1)

- 2. Biodiversity conservation & its challenges
- 3. Potential for biodiversity conservation & utilization
- 4. Impact, Outcome, Output, Action Framework
- 5. Indicator, Baseline, Targets, Methodology, Assumptions & Risks
- 6. Role & responsibility of each stakeholder

Expected Result	Indicator	Baseline	Target	Method	Assumption & Risk	Stakeholder Entity
Impact						
Outcome						
Output						
Action①						
Action ²						
Action ③						
Action ④						

- 7. Implementation Structure
- 8. Mapping of Actions

MONITORING & EVALUATION

- . Conduct of Monitoring & Evaluation
- Expected Achievements of Targets & Potential for Utilization

 Ecological (2) Social (3) Economic
- 3. Future challenges

(2)

- 4. Overall Evaluation
 - Create below matrix (draft) for M&E :

		Action 1	Action(2)	Action3	
Action [Ecological]					
Evaluation	Impact				
Monitoring	Outcome				
	Output				
	Target				
	Baseline				
	Target				
	Methodology				
Role of Entity	Entity ^①				
	Entity ²				
	Entity ³				
	1				
	Assumption & Risk				
	Challenge				

③ Proposing Improvements

- 1. Review of policy actions based on evaluation results
- 2. Proposed concrete actions for improvement



CONCLUSION





- □ Need for **Results Oriented Approach** in Implementing Actions
- □ Cyclical process of Planning → Monitoring → Evaluation
 → Planning (and so on...)
 - Regular Monitoring (every 1-2year) & Evaluation (every 3-5 year) is necessary to make improvements and set new directions
 - Crucial to involve all relevant stakeholders and gain consensus through several rigorous but necessary dialogues to build common understanding
 - Actions, indicators and targets should be form based on needs and agreement amongst stakeholders and to be implemented within their capacity





THANK YOU

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