

Annex 11 Monitoring and evaluation plans

Monitoring				
Data/Source	Collection Tool	Frequency	Indicator	Indicative Budget
<i>Fund-level impacts indicator</i>				
<i>Annual records on loss/ damage due to coastal disaster prepared by Atoll or Island councils.</i>	Government data/records	<ul style="list-style-type: none"> - Mid-term (2023) - Final (2028) 	<i>A1.1 Change in expected losses of lives and economic assets (US\$) due to the impact of extreme climate-related disasters</i>	<i>Part of JPY8,000 thousand (Consultants for Mid-term and Final Evaluation)</i>
<i>Independent socioeconomic survey results, disaggregated by sex.</i>	Document review	<ul style="list-style-type: none"> - Mid-term (2023) - Final (2028) 	<i>A1.2 Number of males and females benefiting from the adoption of diversified, climate resilient livelihood options (including fisheries, agriculture, tourism, etc.)</i>	<i>Part of JPY8,000 thousand (Consultants for Mid-term and Final Evaluation)</i>
<i>Government asset ledger</i>	Government data/records	<ul style="list-style-type: none"> - Mid-term (2023) - Final (2028) 	<i>3.1 Number and value of physical assets made more resilient to climate variability and change, considering human benefits (reported where applicable)</i>	<i>Part of JPY8,000 thousand (Consultants for Mid-term and Final Evaluation)</i>
<i>Government asset ledger</i>	Government data/records	<ul style="list-style-type: none"> - Mid-term (2023) - Final (2028) 	<i>A4.1 Coverage/scale of ecosystems protected and strengthened in response to climate variability and change</i>	<i>Part of JPY8,000 thousand (Consultants for Mid-term and Final Evaluation)</i>
<i>Fund-level outcome indicator</i>				

<i>Published ICZM Guideline, government plans, strategies and policies Coast Guard equipment ledger and MMS wave database</i>	Government data/records	<ul style="list-style-type: none"> - Mid-term (2023) - Final (2028) 	<i>Number of technologies and innovative solutions transferred or licensed to support low-emission development as a result of Fund support.</i>	<i>Part of JPY8,000 thousand (Consultants for Mid-term and Final Evaluation)</i>
<i>Published policy of ICZM and ICZM Plan</i>	Government data/records	<ul style="list-style-type: none"> - Mid-term (2023) - Final (2028) 	<i>A5.2 Number and level of effective coordination mechanisms</i>	<i>Part of JPY8,000 thousand (Consultants for Mid-term and Final Evaluation)</i>
<i>Completion report for technical transfer by consultant</i>	Other (please specify)	<ul style="list-style-type: none"> - Mid-term (2023) - Final (2028) 	<i>A6.1 Use of climate information products/services in decision-making in climate sensitive sectors</i>	<i>Part of JPY8,000 thousand (Consultants for Mid-term and Final Evaluation)</i>
<i>Implementation progress report by contractor</i>	Other (please specify)	<ul style="list-style-type: none"> - Mid-term (2023) - Final (2028) 	<i>A7.2 Number of males and females reached by [or total geographic coverage of] climate-related early warning systems and other risk reduction measures established/strengthened</i>	<i>Part of JPY8,000 thousand (Consultants for Mid-term and Final Evaluation)</i>
Fund-level results indicator				
<i>Published government plans, strategies and policies</i>	Government data/records	<ul style="list-style-type: none"> - Mid-term (2023) - Final (2028) 	<i>1. Level of ICZM integration</i>	<i>Part of JPY8,000 thousand (Consultants for Mid-term and Final Evaluation)</i>
<i>Government asset ledger</i>	Government data/records	<ul style="list-style-type: none"> - Mid-term (2023) - Final (2028) 	<i>2. Evacuation area created and number</i>	<i>Part of JPY8,000 thousand</i>

			of people saved	(Consultants for Mid-term and Final Evaluation)
Monitoring report to be prepared by Consultant	Document review	<ul style="list-style-type: none"> - Mid-term (2023) - Final (2028) 	3. Remaining width of beach (m) at target islands (*1)	Part of JPY8,000 thousand (Consultants for Mid-term and Final Evaluation)
Monitoring report to be prepared by Consultant	Document review	<ul style="list-style-type: none"> - Mid-term (2023) - Final (2028) 	4. Erosion Area (m2) at target islands (*1)	Part of JPY8,000 thousand (Consultants for Mid-term and Final Evaluation)
Monitoring report to be prepared by Consultant	Document review	<ul style="list-style-type: none"> - Mid-term (2023) - Final (2028) 	5. Coral coverage on reef at target islands (*1)	Part of JPY8,000 thousand (Consultants for Mid-term and Final Evaluation)
PSM technical data / baseline and endline surveys on sample households	Survey/questionnaire	<ul style="list-style-type: none"> - Mid-term (2023) - Final (2028) 	6. Coverage of population with reception of ISDB-T digital broadcasting services, and avoided economic loss	Part of JPY8,000 thousand (Consultants for Mid-term and Final Evaluation)
Completion Report for technical transfer by Consultant	Other (please specify)	<ul style="list-style-type: none"> - Mid-term (2023) - Final (2028) 	7. Proficiency in Monitoring	Part of JPY8,000 thousand (Consultants for Mid-term and Final Evaluation)

Evaluation			
Type	Timing	Independent/Self-evaluation	Indicative Budget/JPY
Process	Mid-term Review (end of year 3)	Independent	4,000 thousand
Outcome	Final Evaluation (end of year 7)	Independent	4,000 thousand

Appendix: additional project level indicators for Result 2: Protection of coastal communities and infrastructure exposed to coastal erosion

<i>Tide monitoring data in Gan, Laamu Atoll</i>	Government data/records	- Mid-term (2023) - Final (2028)	1. S.L.R (cm) at target islands (*1)	Part of JPY8,000 thousand (Consultants for Mid-term and Final Evaluation)
<i>Reanalysis wave data (ERA5) (website)</i>	Other (please specify)	- Mid-term (2023) - Final (2028)	2. Increase of offshore wave height (H1/3, cm) at target islands (*1)	Part of JPY8,000 thousand (Consultants for Mid-term and Final Evaluation)
<i>Annual records on loss/ damage due to coastal disaster prepared by Atoll or Island councils.</i>	Government data/records	- Mid-term (2023) - Final (2028)	3. Average frequency of flooding due to swell wave(times/year) at target islands (*1)	Part of JPY8,000 thousand (Consultants for Mid-term and Final Evaluation)
<i>Annual records on loss/ damage due to coastal disaster prepared by Atoll or Island councils.</i>	Government data/records	- Mid-term (2023) - Final (2028)	4. Observed maximum flooding depth(D,cm) and distance toward inland (l,m) at target islands (*1)	Part of JPY8,000 thousand (Consultants for Mid-term and Final Evaluation)
<i>Monitoring report to be prepared by Contractor</i>	Document review	- Mid-term (2023) - Final (2028)	5. Turbidity of sea water on reef at target islands (*1)	Part of JPY8,000 thousand (Consultants for Mid-term and Final Evaluation)
<i>Monitoring report to be prepared by Consultant</i>	Document review	- Mid-term (2023) - Final (2028)	6. Retreat (m) at target islands (*1)	Part of JPY8,000 thousand (Consultants for Mid-term and Final Evaluation)
<i>Monitoring report to be prepared by Consultant</i>	Document review	- Mid-term (2023) - Final (2028)	7. Loss of national land (USD) at target islands (*1)	Part of JPY8,000 thousand (Consultants for Mid-term and Final Evaluation)
<i>Annual records on loss/ damage due to coastal disaster prepared by Atoll</i>	Government data/records	- Mid-term (2023) - Final (2028)	8. Number of properties/ facilities exposed to damage (per	Part of JPY8,000 thousand

<i>or Island councils.</i>			<i>flood) at target islands (*1)</i>	<i>(Consultants for Mid-term and Final Evaluation)</i>
<i>Annual records on loss/ damage due to coastal disaster prepared by Atoll or Island councils.</i>	Government data/records	<ul style="list-style-type: none"> - Mid-term (2023) - Final (2028) 	9. <i>Damage on properties(houses) due to flooding (USD/year) at target islands (*1)</i>	<i>Part of JPY8,000 thousand (Consultants for Mid-term and Final Evaluation)</i>
<i>Annual records on loss/ damage due to coastal disaster prepared by Atoll or Island councils.</i>	Government data/records	<ul style="list-style-type: none"> - Mid-term (2023) - Final (2028) 	10. <i>Income loss at island due to flooding (USD/year) at target islands (*1)</i>	<i>Part of JPY8,000 thousand (Consultants for Mid-term and Final Evaluation)</i>
<i>Annual records on loss/ damage due to coastal disaster prepared by Atoll or Island councils.</i>	Government data/records	<ul style="list-style-type: none"> - Mid-term (2023) - Final (2028) 	11. <i>Tourism income loses per flood (USD) at target islands (*1)</i>	<i>Part of JPY8,000 thousand (Consultants for Mid-term and Final Evaluation)</i>
<i>Annual records on loss/ damage due to coastal disaster prepared by Atoll or Island councils.</i>	Government data/records	<ul style="list-style-type: none"> - Mid-term (2023) - Final (2028) 	12. <i>Fishery production loses per flood (ton) at target islands (*1)</i>	<i>Part of JPY8,000 thousand (Consultants for Mid-term and Final Evaluation)</i>
<i>Annual records on loss/ damage due to coastal disaster prepared by Atoll or Island councils.</i>	Government data/records	<ul style="list-style-type: none"> - Mid-term (2023) - Final (2028) 	13. <i>Agricultural production loses per flood (USD) at target islands (*1)</i>	<i>Part of JPY8,000 thousand (Consultants for Mid-term and Final Evaluation)</i>

Note 1: (*1) Target islands include Meedhoo in Addu Atoll, Gan, Fonadhoo, Isdhoo and Maamendhoo in Laamu Atoll

Note 2: The baseline and target value for the indicators from No.1 to No.13 of the Fund-level results are shown in the separately attached file "Indicators and baseline and targets OPM-1"