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## TA Monitoring and Evaluation plan

Date: 29/01/2019

### Objective for the TA Monitoring and Evaluation plan:

- The TA Monitoring and Evaluation plan must be designed based on the TA Response Plan and must enable the Implementer to complete the TA Monitoring and Data Collection Report<sup>1</sup> at the end of the assignment.

### Process for designing and using the TA Monitoring and Evaluation plan:

- The Implementer must identify all relevant indicators as specified in the TA Closure and Data Collection Report. The TA Closure and Data Collection Report contains 31 generic TA indicators and the Implementer must build the TA Monitoring and Evaluation plan around a select number of relevant indicators.
- The Implementer may want to identify other specific, measurable, achievable, relevant, and time-bound indicators suitable to monitor Outputs and Activities and add these to the Monitoring and Evaluation plan.
- During implementation of the TA, the Implementer must collect all relevant data as described in the Monitoring and Evaluation plan. Aggregated data for the entire TA will be presented in the TA Monitoring and Data Collection Report for relevant indicators at the end of the assignment.

(A) Outputs and Activities as described in the Response Plan	(B) Response Plan target for the Output or Activity (Add the expected quantitative target/value of the Output or Activity (e.g. number of studies, policy	(C) Indicator (Select a relevant indicator from the TA Monitoring and Data Collection Report or other relevant indicator)	(D) Method and frequency for data collection (Describe the expected method and frequency for data collection (e.g. survey, head count	(E) Value for Output/Activity produced using the indicator in column C (Add the monitored quantitative value)	(F) Difference between targeted and delivered Output and activity values (Column E minus column B)
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<sup>1</sup> Please see: [https://www.ctc-n.org/sites/www.ctc-n.org/files/ta\\_closure\\_report\\_template.\\_final.\\_march\\_2017.doc](https://www.ctc-n.org/sites/www.ctc-n.org/files/ta_closure_report_template._final._march_2017.doc)

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	recommendations, etc.).		at a training workshop, factory scada extraction, etc.)		
<b>Output 1: Identification of gaps in the existing national plans and strategies on the port sector and Port Louis with relation to climate change resiliency and mapping of the port's vulnerability to climate change.</b>					
<b>Activity 1.1:</b> Review background documentation	Number of meetings with various stakeholders to the project	Number of meetings organised, covering the different aspects of the project	Record of number of meetings with various stakeholders and how, planning of relevant stakeholders was done. Detailed list of desired organisations to be included, e.g. MSSNSES, MPA, Mauritius Meteorological Services, Mauritius Oceanography Institute, etc.	11 meetings with various stakeholders to the project (during initial trip to Mauritius mid January, incl. 2 capacity building sessions on site and 1 inception meeting late November)	None; number of meetings is as expected initially.
	Number of documents reviewed.	Number and breadth of documents reviewed and analysed.	Record of number of documents to review and analyse, ensuring that this covers the ground of the project.	A total of 34 documents were reviewed by Artelia and Climatekos prior to the initial trip	None as of 22 January 2019.

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				to Mauritius. During the trip the MPA and the ministry of environment communicated 11 additional documents (excluding annexes). Further documents (maximum 10) may be communicated.	
	Gender equality assessment within the meetings.	Gender evaluation as percentage of women for meetings which occurred during Activity 1.1.	Assessment of number of women involved. .	26.2% of women present overall during meetings of the initial trip to Mauritius (total of 11 women from a total of 42 people present including consultants).	None at this stage.
<b>Activity 1.2.</b> Study of the port infrastructure	At least one workshop to identify the vulnerability and	Number of relevant stakeholders' organisations present at the	1) Expected number of organisations invited to the workshop.	1) 5 organisations were involved. A full visit of the	All different vulnerabilities are still being assessed.

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<p>and operations mapping</p>	<p>operation thresholds of the port</p> <p>Number of organizations engaged</p>	<p>workshop(s); and how adequately all different vulnerabilities are covered. The number of vulnerable sites to visit may be considered.</p>	<p>2) Detailed list of relevant organisations to be included, e.g. MSSNSESD, MPA, Mauritius Meteorological Services, Mauritius Oceanography Institute, Ministry of Finance.</p>	<p>port happened on the first day of the initial trip to Mauritius. 2) Workshops-meeting were organised with MPA, MSSNSESD, Mauritius Meteorological Services, Mauritius Oceanography Institute, and Ministry of Finance. 2 main vulnerable sites were isolated, the port terminal and the road accessing to the terminal.</p>	
		<p>Number and type of organizations, and number of people disaggregated by gender, that participated in the workshop</p>		<p>Within the workshops-meetings organised with the 5 organisations involved, 23% of</p>	

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				women were present overall.	
		Number of organisations with increased awareness and knowledge within the country to better own and drive national adaptation planning processes. – Indicator 19		Estimated Number of organisations with increased awareness and knowledge within the country.	
	Mapping of historical impacts	1)Completeness and 2) Number of years of historical data analysed	Understand the impact on the operations, the physical asset, economic aspects of the meteorological hazards.	First hand data and actual experience of events (mostly cyclones, heavy precipitations, strong winds resulting in the complete shutdown of the port) were shared by the participants in the workshops. Historical data looked at events (caused by	Further data sharing and analysis need to occur to complete the mapping.

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				cyclones) post WWII over the past 50 years	
<b>Activity 1.3:</b> Review and mapping of registered climate and extreme weather conditions	Mapping of registered climate and extreme weather conditions impacting the port.	Number of different climate parameters included in the mapping of historical impacts on the port.	Record of number of parameters to include in respect of the number of types of actual climate extreme weather.	Elaboration of the mapping has started following meetings with MPA, Mauritius Meteorological Services, and Mauritius Oceanography Institute.	
<b>Output 2: The assessment of the climate change risk of the port of Port Louis.</b>					
<b>Activity 2.1:</b> Identification and review of climate change scenario and projections.	Organisation of a workshop with all relevant stakeholders to identify 3 scenarios for the study (X organizations or stakeholders engaged).	Number of relevant stakeholders' organisations present at the workshop and to what extent the 3 scenarios have been identified adequately for the study.	Detailed list of relevant stakeholders' organisations able to contribute to the scenario selection and appreciation of the identification of the 3 scenarios.	<i>Actual number of relevant stakeholders' organisations present at the workshop within the detailed list and actual identification of the 3 scenarios.</i>	

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		Number of organisations with increased awareness and knowledge within the country to better own and drive national adaptation planning processes. – Indicator 19	List of known organisations with increased awareness and knowledge within the country to better own and drive national adaptation planning processes.	<i>Estimated number of organisations with increased awareness and knowledge within the country to better own and drive national adaptation planning processes.</i>	
		Number and type of organizations, and number of people disaggregated by gender, that participated in the workshop.	Actual number of women involved within meetings.		
<b>Activity 2.2:</b> Evaluation of risk areas.	Quantification of the economic risk in the current and future situation (with climate change), for each of the three climate scenarios selected.	Number of scenarios for which satisfactory quantification could be achieved.	Assess how realistic and probable the quantifications done for the 3 scenarios were.	<i>Actual number of scenarios with satisfactory quantification being achieved.</i>	
<b>Output 3: Prioritisation of adaptive measures.</b>					

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<p><b>Activity 3.1:</b> Recommendation of adaptation technologies</p>	<p>Proposal of at least 4 adaptive measures for Prevision, Prevention, Protection, Mitigation.</p>	<p>Number of proposed adaptive measures.  Number of adaptive measures reviewed and validated by requesting organization</p>	<p>Record and check that each adaptive measure is within the 4 categories.</p>	<p><i>Actual number of proposed adaptive measures and actual number of adaptive measures validated within each category.</i></p>	
	<p>Gender equality assessment within the proposed adaptation measures.</p>	<p>Gender evaluation as percentage of women for the 4 proposed adaptive measures.</p>	<p>Assessment of likely involvement of women by activities of adaptative measures.</p>	<p><i>Actual assessment of gender split within the proposed adaptation measures.</i></p>	
	<p>15 technological fact sheets on a pre-agreed format for technologies of adaptation actions</p>	<p>Number of technological fact sheets proposed, referring to the 8 items as in the model.</p>	<p>Record and check that each sheet, contain reference to the 8 items.</p>	<p><i>Actual number of technological fact sheets, in reference to the 8 items as in the model.</i></p>	
		<p>Number of fact sheets reviewed and</p>	<p>Actual number of fact sheets reviewed</p>		



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		validated by requesting organization.	and validated by requesting organization.		
<b>Activity 3.2:</b> Selection of adaptive measures	Multicriteria analysis (MCA) workshop to prioritise the adaptive measures.	Holding the workshop with result of actual prioritisation of adaptive measures.	Check that workshop is happening and manages the prioritisation based on the 7 suggested criteria.	<i>Workshop did happen and a prioritisation of adaptive actions is effective.</i>	
		Number and type of organizations, and number of people disaggregated by gender, that participated in the workshop.	Actual Number and type of organizations, and number of people disaggregated by gender, that participated in the workshop.		
<b>Activity 3.3:</b> Pre-feasibility study of selected adaptive measures.	Up to 5 selected adaptive measures are studied at pre-feasibility level.	Number of adaptive measures studied at pre-feasibility level to refine cost, natural hazard reduction, socio-economic and gender impact, timeline,	Record the number of further studied adaptive measures.	<i>Actual Number of adaptive measures studied at pre-feasibility level.</i>	

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		stakeholders, resources, etc.			
		Anticipated number of public-private partnerships and collaboration created (Excluding the role of the CTCN and TA implementers) – Indicator 39 Indicator post TA			
<b>Output 4: Formulation of an action plan for the implementation of adaptive measures</b>					
<b>Activity 4.1:</b> Estimating costs for the implementation and monitoring of selected adaptive measures	Full cost estimate of adaptive measures including monitoring (based on Activity 3.3)	Complete cost estimate of the 5 adaptive measures.	Review of the various elements of costs for the adaptive measures.	<i>All elements of cost structure for adaptive measures have been included.</i>	
		Number of cost estimates reviewed or validated by requesting organizations	Actual number of cost estimates reviewed or validated by requesting organizations		

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<p><b>Activity 4.2:</b> Identification of capacity building needs for the stakeholders of the port and port sector</p>	<p>Recommendations of capacity building objective based on output 1 and the overall project</p>	<p>Detail of future recommended capacity building.</p>	<p>Collection of expected recommendations of capacity building.</p>	<p><i>Actual recommendation submitted.</i></p>	
<p><b>Activity 4.3:</b> Guidelines, action plan and priority time frames</p>	<p>Delivery of an actionable executive summary of the study (action plan) which will be presented within a dedicated workshop.</p>	<p>Action plan based on a pre-agreed format and presented within a dedicated workshop.</p>	<p>Check that action plan is based on a pre-agreed format.</p>	<p><i>Actual action plan based on a pre-agreed format and presented within a dedicated workshop.</i></p>	
		<p>Action plan reviewed and validated by requesting organization.</p>	<p>Actual action plan reviewed and validated by requesting organization.</p>		
		<p>Number and type of organizations, and number of people disaggregated by gender, that</p>	<p>Actual number and type of organizations, and number of people disaggregated by</p>		

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		participated in the workshop	gender, that participated in the workshop		
		Total number of tools, technical documents and information material supported by the assistance (excluding mission, progress and internal reports) – Indicator 16	Actual number of tools, technical documents and information material supported by the assistance (excluding mission, progress and internal reports)		
		Total number of policies, strategies, plans, laws, agreements or regulations supported by the assistance – Indicator 17	Actual number of policies, strategies, plans, laws, agreements or regulations supported by the assistance.		
		Number of organisations with increased awareness and knowledge among countries to better own and drive national adaptation planning	Estimated number of organisations with increased awareness and knowledge among countries to better own and drive national		

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		processes – Indicator 19	adaptation planning processes.		
		Anticipated number of <b>policies, strategies, plans,</b> addressing climate change <b>adaptation</b> officially proposed, adopted, or implemented as a result of the TA – Indicator 34 Indicator post TA			
		Anticipated number of <b>laws or regulations</b> addressing climate change <b>adaptation</b> officially proposed, adopted, or implemented as a result of the TA – indicator 37 Indicator post TA			
		Anticipated number of technology projects to support action on low	Estimated anticipated number of technology projects to support		

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		emission and climate-resilient development – Indicator 41	action on low emission and climate-resilient development.		
		Anticipated technology types effectively deployed in the country – Indicator 44 Indicator post TA	Technology types effectively deployed as a result of the project post TA.		
		Number of private companies directly engaged in the assistance (that partnered with the proponent, the beneficiaries or the CTCN to implement the assistance) (Excluding the role of the CTCN and TA implementers) – Indicator 20	Known number of private companies directly engaged in the assistance (that partnered with the proponent, the beneficiaries or the CTCN to implement the assistance) (Excluding the role of the CTCN and TA implementers).		
<b>Output 5: Development of a preliminary draft of a Concept Note to the Green Climate Fund</b>					

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<p><b>Activity 5.1:</b> Development of the concept note</p>	<p>Delivery of a draft concept note developed with key stakeholders</p>	<p>Number of stakeholders consulted in the review of the concept note developed.</p>	<p>Phone meetings with stakeholders reviewing the draft concept note.</p> <p>Reviews of the draft by stakeholders</p> <p>Agreement by stakeholders of the draft</p>	<p>.</p>	
		<p>Draft concept note reviewed and validated by requesting organization</p>	<p>Draft concept note reviewed and validate by the MPA.</p>		
		<p><b>Total</b> anticipated amount of funding/investment mobilised (in USD) as a result of the TA – Indicator 27</p>	<p>Referring to budget of the project assessed during the TA and included within the Draft concept note.</p>		
		<p>Anticipated number of people with increased resilience as co-benefits as a</p>	<p>Assessment of number of people who may have been worse off in their appreciation of the</p>		

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		result of the TA – Indicator 29	resilience to foreseen climate issues.		
		Anticipated avoided loss such as port equipment and financial turnover as increased resilience and co-benefits as a result of the TA	Assessment in terms of quantity of equipment and actual financial turnover avoided loss.		
		Anticipated number of technology projects to support action on low emission and climate-resilient development – Indicator 41	Number of technologies mentioned in the concept note which will assist with the increase resilience to climate changes.		