

CTCN - TA impact description – CLIMATE CHANGE ADAPTATION

The TA Impact description is a 2-page summary document for communication purposes.

Basic information

Title of response plan	Climate change vulnerability and adaptation study for the port of Port Louis in Mauritius
Country / countries	Mauritius
National Designated Entity focal point and organisation	National Designated Entity (NDE) for the CTCN: Ministry of Environment, Sustainable Development, and Disaster and Beach Management National Designated Authority (NDA) for the CTCN: Ministry of Finance and Economic Development Requesting organization: Mauritius Port Authority
Sector(s) addressed	Coastal zones, infrastructures, transport
Technologies supported	Types of technologies will be chosen from sectors such as “infrastructure and urban planning” and “Coastal zones” once more is known about the Technical Assistance. From CTCN taxonomy, can possibly include one or several technologies in the following technology categories (but not limited to these categories): <ul style="list-style-type: none"> - Early Warning systems - Retreat - Accommodation - Integrated coastal zone management - Protection (soft and hard engineering)
Status	Under Implementation
Implementation period and total duration	8 months
Total budget for implementation	216,000 USD
Planned by / Designer of the response plan	UNEP-DHI Partnership – Centre on Water and Environment (DHI)
Implementer of response plan	Artelia Eau & Environnement, Gibb Mauritius, Climatekos

<p>Challenge:</p> <p><i>Approx. 500 characters with spaces</i></p>	<p>Port Louis’s harbour is exposed to weather and climate change risks, including sea level rise, storm surges, wave and wind impact, precipitation, flooding, and rising water temperatures. Port operations are often temporarily suspended due to adverse weather conditions and flooding, and interruptions are expected to increase and become costlier as the climate changes. To reduce such risks on critical infrastructure and operations, adaptation priorities for coastal infrastructure must be identified and implemented.</p>
<p>CTCN Assistance:</p> <p><i>2 to 4 bullet points. Approximately 450 characters with spaces</i></p>	<ul style="list-style-type: none"> • Identify gaps in the existing national plans and strategies and assess climate change risks to the port of Port Louis. • Prioritise adaptive measures and formulate an action plan for their implementation, including costing and resource requirements. • Identify capacity building needs for the stakeholders of the port and port sector. • Draft a GCF concept note on Adaptation for the port of Port Louis.

<p>Anticipated impact:</p> <p><i>2 to 4 bullet points to summarise anticipated impact. Approximately 250 characters with spaces.</i></p>	<p>The assistance aims to increase the resilience of the Harbour and of the community of Port Louis to adapt to the impacts of climate change variability, by strengthening existing adaptive infrastructure and enable beneficiaries to:</p> <ul style="list-style-type: none"> • Apply modelling and data capture techniques to respond to climate change impacts. • Enhance, implement and monitor adaptation measures. An indication of number of individuals (included percentage male/female) and financial size of port activity should be included.
<p>Linkages and contribution to NDC:</p> <p><i>(Link to I/NDC: https://www4.unfccc.int/sites/ndcstaging/PublishedDocuments/Mauritius%20First/Final%20INDC%20of%20Mauritius%2028%20Sept%202015.pdf)</i></p>	<p>This project, which focuses on building adaptation measures for the port sector, compliments the NDC priorities for:</p> <ul style="list-style-type: none"> • Infrastructure protection against climate change calamities. • Disaster Risk reduction including understanding disaster risk, implementing disaster risk strategies, strengthening governance and investing in resilience.
<p>Contribution to SDGs:</p>	<ul style="list-style-type: none"> • Goal 8 – Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all. • Goal 9 - Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation • Goal 11 – Make cities and human settlements inclusive, safe, resilient and sustainable. • Goal 13 - Take urgent action to combat climate change and its impacts.
<p>The narrative story: Approximately 1200 characters with spaces</p>	<p>The Mauritius Ministry of Social Security, National Solidarity and Environment and Sustainable Development (MSSNSESD) and the Mauritius Port Authority has requested CTCN technical assistance to assess the vulnerability of the Port Louis harbour to climate changes through a vulnerability study that will identify specific technologies to mitigate negative effects of climate change on the port. Mauritius’ National Designated Authority (NDA), the Ministry of Finance and Economic Development, has included this TA into its Readiness and Preparatory Support pipeline.</p> <p>This TA will:</p> <ul style="list-style-type: none"> • Evaluate the port’s vulnerability • Identify priority adaptation measures to put in place to increase the harbour’s resilience e.g. new breakwater and flood walls for the container part • Assist in the preparation of documents for the Green Climate Fund • Provide capacity building support to prepare the implementation of the identified technologies <p>The study supports the priority adaptation goals of the country’s Nationally Determined Contribution (2015) to safeguard infrastructure against climate hazards. It supports the Third National Communication (2016), which proposes several adaptation options for the coastal infrastructure such as ports, for example, building off-shore wave breakers and flood walls, raising wharfs, elevating roads and moving coastal roads inland.</p>