

Implementation Status & Results

Africa

GEF-Western Indian Ocean Marine Highway Development and Coastal and Marine Contamination Prevention (P078643)

Operation Name: GEF-Western Indian Ocean Marine Highway Development and Coastal and Marine Contamination Prevention (P078643) Project Stage: Implementation Seq.No: 9 Status: ARCHIVED Last Modified Date: 19-May-2011

Country: Africa Approval FY: 2007
 Product Line: Global Environment Project Region: AFRICA Lending Instrument: Specific Investment Loan
 Implementing Agency(ies): South Africa Maritime Authority, Indian Ocean Commission

Key Dates

Board Approval Date	22-May-2007	Original Closing Date	30-Jun-2011	Planned Mid Term Review Date	Last Archived ISR Date	08-Dec-2010
Effectiveness Date	21-Sep-2007	Revised Closing Date	31-Dec-2012	Actual Mid Term Review Date	01-Nov-2010	

Global Environmental Objectives

Global Environmental Objective (from Project Appraisal Document)

The project's medium to long-term global environmental goals are to reduce the risk of ship-based environmental contamination (such as oil spills from groundings and illegal discharges of ballast and bilge waters) and to strengthen the capacity of countries to respond to oil or chemical spill emergencies in the region. The project has three specific global environmental objectives. The first is to ascertain the economic, technical, and institutional feasibility of introducing modern aids to navigation systems in the region, such as an electronically supported marine highway, to guide ships through sensitive areas and to encourage monitoring of the movements and activities of fishing and other vessels operating within countries' territorial waters. The second objective is to support widening the existing regional agreement (June 5, 1998) on port state control and implementation of its provisions. The third objective, focusing on Kenya, Mozambique, South Africa, and Tanzania, is to reduce risks of environmental damage to beaches, fishing grounds, and other domestic resources from spills of oil and chemicals. This will be achieved by supporting efforts of Kenya, Mozambique, South Africa, and Tanzania to become part of a regional oil spill response plan, by completing the identification and mapping of environmentally sensitive areas along coasts and sea lanes, and support regional collaboration with the west Indian Ocean island states.

Has the Project Development Objective been changed since Board Approval of the Project?

Yes No

Component(s)

Component Name	Component Cost
Development of a regional marine highway and institutions	6.00
Capacity building for prevention of coastal and marine contamination	1.10
Building a regional oil spill response capacity	0.70
Port state control, fisheries monitoring, and project coordination and management	3.30

Overall Ratings

Previous Rating	Current Rating
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	Previous Rating	Current Rating
Progress towards achievement of GEO	Satisfactory	Satisfactory
Overall Implementation Progress (IP)	Satisfactory	Satisfactory
Overall Risk Rating	Medium-L	Medium-L

Implementation Status Overview

Project implementation continues to be satisfactory. Development objectives of the Grant are being met in accordance with the project objectives. Disbursements are increasing and are slightly above the revised trajectory reflecting contracts under implementation with M/s SHOM, BRLi/OTRA and IHWC which are well advanced (over 80% execution). A Mid Term Review (MTR) was carried out in November 2010 which reviewed in detail the implementation and sustainability arrangements. An extension of Closing Date by 18 months until Dec. 2012 was agreed, increased emphasis is being made on sustainable arrangements that will last beyond Project period as well as improving dissemination of results to all participating countries. While much progress is being made in 5 of the participating States, the MTR raised its concern regarding the sustainability of the Project in two coastal countries including Kenya and Tanzania. Project staff have carried meetings with the 2 focal points in these countries and efforts are being stepped up to find ways to increase the commitment in the 2 countries. A reallocation of Grant proceeds was agreed to increase the rate of disbursements; the request is being processed by GoSA to forward to the Bank for consideration. A grant was received from the European Space Agency (ESA) to develop two important earth observation products for the Mozambique Channel in support of Project activities including: (i) oil spill detection in real time, and (ii) coral reef monitoring. Working meetings on the earth observation products between ESA, contractors CLS and IRD, and Project Staff and Focal Points took place in April (Washington, DC) and May (Video conference connecting Mauritius, Reunion, South Africa, Netherlands and France).

Results

Global Environmental Objective Indicators

Indicator	Baseline	Current	End Target
Indicator Name	Value	Value	Value
Number of passages of vessels traveling through the region using the marine highway and its electronic charts for navigation (SRI)	No marine highway infrastructure in place, so no ships use it.		Evaluation complete. Plans for further development complete.
Type	Date	Date	Date
Unit of Measure	19-Jul-2007	14-Oct-2010	31-Dec-2012
Custom Indicator	Text	Comment	Comment
		"Surveyed corridor" marine survey, data collected and incorporated in electronic nautical charts. Agreement with key intl. organizations on "Routing System" and marine highway principle. Participating States to submit formal IMO application for approval of "Routing System".	

Indicator		Baseline	Current	End Target
Indicator Name		Value	Value	Value
Number of ship inspections carried out at major ports in the region (PI)		223.00	481.00	475.00
		Date	Date	Date
		03-Jan-2005	01-Jan-2011	31-Dec-2012
Type	Unit of Measure	Comment	Comment	Comment
Custom Indicator	Number	Data for 2005-2005	Reported 481 inspections in 2010 Port State Control website including: South Africa 234, Tanzania 29, Kenya 168, Mauritius 4, Reunion 46. Totals for Madagascar & Comoros also estimated at 5 each.	Target achieved

Intermediate Results Indicators

Indicator		Baseline	Current	End Target
Indicator Name		Value	Value	Value
Electronic nautical charts and publications produced		0	13	10
		Date	Date	Date
		19-Jul-2007	13-May-2011	30-Jun-2011
Type	Unit of Measure	Comment	Comment	Comment
Custom Indicator	Text		Mozambique Channel route survey data prepared by M/s SHOM. Motor vessel Beautemp Beaupre completed survey. Data for 10 large scale and 3 small scale ENC's along the #route# now available and already included in ENC's (early 2011). 2 large scale ENC's of Mozambique, 2 of Kenya, 2 of Seychelles, 4 of Tanzania should be available by June 2011. 2 large scale ENC's of Madagascar and 1 of Comoros are complete and South Africa and Mauritius have a full catalogue of charting available already.	

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Indicator	Baseline	Current	End Target
<p>Indicator Name Charts and publications maintained and updated (cumulative)</p> <p>Type Unit of Measure Custom Indicator Text</p>	<p>Value 0</p> <p>Date 19-Jul-2007</p> <p>Comment</p>	<p>Value 13</p> <p>Date 13-May-2011</p> <p>Comment Basic Port ENC data updated for ports in South Africa, Kenya, Mozambique, and Mauritius ports by South African Hydrographer in DOD, South Africa. Port surveys of Mahajunga and Tamatave in Madagascar and Anjouan in Comoros have been carried out by M/s SHOM.</p>	<p>Value 35</p> <p>Date 30-Jun-2011</p> <p>Comment</p>
<p>Indicator Name Main aids to navigation on the route of the marine highway surveyed and rehabilitated</p> <p>Type Unit of Measure Custom Indicator Text</p>	<p>Value 0</p> <p>Date 19-Jul-2007</p> <p>Comment</p>	<p>Value N/A</p> <p>Date 13-May-2011</p> <p>Comment Survey completed of AtoN in Kenya, Madagascar, Mauritius, Mozambique, Seychelles and Tanzania. AtoN brought back into service or part of upgrading program in each country. Course on AtoN in Durban last November 2010.</p>	<p>Value 2</p> <p>Date 30-Jun-2011</p> <p>Comment</p>

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Indicator		Baseline	Current	End Target
Indicator Name Automatic information service and ship communications system established		Value 0	Value N/A	Value 1
Date 19-Jul-2007		Date 13-May-2011	Date 30-Jun-2011	
Type	Unit of Measure	Comment	Comment	Comment
Custom Indicator	Text		AIS system contract for all South Africa has been awarded and is advanced in 21 stations. Supplementary stations to be developed by the project include Maputo, Mahe, Port Louis, Mombasa, Zanzibar and Mahajanga. RFP being finalized. Trial AIS in Maputo operational again.	
Indicator		Baseline	Current	End Target
Indicator Name Search and rescue communications between two maritime rescue coordination centers (Cape Town and Reunion) and all states involved in the project fully operational (PI)		Value Communications links not yet fully established with the participating states	Value Communication established.	Value Links established
Date 19-Jul-2007		Date 11-Sep-2009	Date 30-Jun-2011	
Type	Unit of Measure	Comment	Comment	Comment
Custom Indicator	Text		Communication established between 3 centers (Cape Town, Reunion and Mombasa) and sub-center in Seychelles.	Target achieved.

Indicator	Baseline	Current	End Target
<p>Indicator Name Pollution prevention and contingency management plans developed for Kenya, Mozambique, and Tanzania (PI)</p> <p>Type Unit of Measure Custom Indicator Text</p>	<p>Value None currently in place</p> <p>Date 19-Jul-2007</p> <p>Comment</p>	<p>Value 8 countries already have revised NOSCPs including 3 drafts for Kenya, Mozambique and Tanzania</p> <p>Date 14-Oct-2010</p> <p>Comment Revised NOSCPs for 8 countries including 3 for Kenya, Mozambique and Tanzania (reviewed, revised and updated two times with projectinputs). Training in these 3 countries for Tier I and II response took place in November 2010. Trained staff per country to date: Comoros 40, Madagascar 40, Mauritius 50, Seychelles 70, Mozambique 40, Kenya 40, Tanzania 40.</p>	<p>Value 3</p> <p>Date 30-Jun-2011</p> <p>Comment Exceeded target.</p>
<p>Indicator Name Methodology to value ecosystem benefits developed and used by environmental managers (PI)</p> <p>Type Unit of Measure Custom Indicator Text</p>	<p>Value None currently in place</p> <p>Date 19-Jul-2007</p> <p>Comment</p>	<p>Value</p> <p>Date 13-May-2011</p> <p>Comment Efforts on this component resumed in April 2011 after serious illness of lead consultant.</p>	<p>Value Methodology developed and disseminated</p> <p>Date 31-Dec-2012</p> <p>Comment</p>

Indicator	Baseline	Current	End Target
<p>Indicator Name Countries establish and continuously maintain databases and geographic information systems, as indicated in discussions with staff of project entities (PI)</p> <p>Type Unit of Measure Custom Indicator Text</p>	<p>Value None currently in place</p> <p>Date 19-Jul-2007</p> <p>Comment</p>	<p>Value In progress.</p> <p>Date 14-Oct-2010</p> <p>Comment Environmental data are being converted into GIS format and use in that form for the preparation of ESAs. This is ongoing in all participating States. 90% completed in Comoros 90% completed in Seychelles 60% completed in Mauritius 50 % completed in Madagascar 25% completed in Kenya 25% completed in Mozambique 25% completed in Tanzania No feedback to date from SA.</p>	<p>Value Information system in place</p> <p>Date 31-Dec-2012</p> <p>Comment</p>

Indicator	Baseline	Current	End Target
<p>Indicator Name Kenya, Mozambique, and Tanzania pass national laws and regulations to implement OPCR, FUND, and CLC conventions</p> <p>Type Unit of Measure Custom Indicator Text</p>	<p>Value Kenya, Mozambique, and Tanzania have ratified OPRC 90, CLC (Prot 92), and Fund (Prot 92), but have not passed national laws and regulations to implement them</p> <p>Date 19-Jul-2007</p> <p>Comment</p>	<p>Value Ratified OPRC 90, CLC (Prot 92), and Fund (Prot 92) by Kenya, Mozambique and Tanzania are completed. However no country has ratified HNS 2000 protocol.</p> <p>Date 14-Oct-2010</p> <p>Comment Kenya, Mozambique and Tanzania have all signed the OPRC 90, CLC 92 and International Compensation Funds. No country in the sub-region has as yet ratified the HNS 2000 protocol. 4 Masters in Maritime Law from Kenya, Mozambique, Mauritius and Tanzania trained under the Project. Table of Conventions Raitified attached.</p>	<p>Value Ratified OPRC 90, CLC (Prot 92), and Fund (Prot 92) by Kenya, Mozambique and Tanzania are completed</p> <p>Date 30-Jun-2011</p> <p>Comment Target achieved.</p>

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Indicator	Baseline	Current	End Target
<p>Indicator Name Kenya, Mozambique, and Tanzania adopt national oil spill contingency plans</p> <p>Type Unit of Measure Custom Indicator Text</p>	<p>Value Plans in different stages have been developed</p> <p>Date 19-Jul-2007</p> <p>Comment</p>	<p>Value 3 drafts under review.</p> <p>Date 14-Oct-2010</p> <p>Comment The NOSCPs have been prepared for Kenya, Mozambique and Tanzania. The project needs to confirm whether these plans have been approved by their respective Governments and incorporated into national laws.</p>	<p>Value Contingency plans are completed</p> <p>Date 30-Jun-2011</p> <p>Comment</p>
<p>Indicator Name Equipment in place and used in training</p> <p>Type Unit of Measure Custom Indicator Text</p>	<p>Value Some equipment in place</p> <p>Date 19-Jul-2007</p> <p>Comment</p>	<p>Value Equipment in place in 5 countries and additional equipment for 3 countries being procured.</p> <p>Date 13-May-2011</p> <p>Comment Sufficient equipment in place in 5 of 8 countries. Additional oil spill combat kits being procured for Comoros, Mozambique and Tanzania.</p>	<p>Value All equipment is acquired and in place</p> <p>Date 30-Jun-2011</p> <p>Comment</p>
<p>Indicator Name A regional marine pollution contingency plan that covers all participating countries is established</p> <p>Type Unit of Measure Custom Indicator Text</p>	<p>Value Neither Kenya, Mozambique, Tanzania, South Africa currently have in a regional plan</p> <p>Date 19-Jul-2007</p> <p>Comment</p>	<p>Value Draft available.</p> <p>Date 14-Oct-2010</p> <p>Comment A regional Oil Spill Contingency plan is drafted and under discussion with participating countries.</p>	<p>Value Regional plans completed</p> <p>Date 30-Jun-2011</p> <p>Comment</p>

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Indicator	Baseline	Current	End Target
<p>Indicator Name A regional center to coordinate national actions and to monitor nationwide environmental conditions is fully operational</p> <p>Type Unit of Measure Custom Indicator Text</p>	<p>Value A subregional center is currently operating in Madagascar</p> <p>Date 19-Jul-2007</p> <p>Comment</p>	<p>Value Agreement signed by four countries.</p> <p>Date 13-May-2011</p> <p>Comment A regional coordination center will be created. Four countries have already signed (Comoros, Madagascar, Mozambique and Seychelles). Efforts underway by Project to obtain support from all States.</p>	<p>Value Center is operating</p> <p>Date 30-Jun-2011</p> <p>Comment</p>
<p>Indicator Name Agreement reached with Madagascar and Comoros to join the regional agreement on port state control that was signed on June 5, 1998</p> <p>Type Unit of Measure Custom Indicator Text</p>	<p>Value Madagascar and Comoros not currently part of the regional agreement</p> <p>Date 19-Jul-2007</p> <p>Comment</p>	<p>Value In process.</p> <p>Date 13-May-2011</p> <p>Comment Comoros is processing the application while Madagascar still has not applied.</p>	<p>Value Madagascar and Comoros sign the regional agreement</p> <p>Date 31-Dec-2012</p> <p>Comment</p>
<p>Indicator Name Inspectors trained under the project to international standards in port state control operating</p> <p>Type Unit of Measure Custom Indicator Text</p>	<p>Value 16 inspectors currently operating in South Africa</p> <p>Date 19-Jul-2007</p> <p>Comment</p>	<p>Value 20 inspectors trained in Durban (Nov. 2010)</p> <p>Date 13-May-2011</p> <p>Comment 20 trainees participated in the IMO approved course in Durban last Nov 2010, including Comoros (2), Madagascar (1), Mozambique (2), Tanzania (3), South Africa (9).</p>	<p>Value At least 2 per country</p> <p>Date 30-Jun-2011</p> <p>Comment</p>

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Indicator	Baseline	Current	End Target
Indicator Name Mechanisms for coordination among related GEF-supported initiatives created and maintained	Value No mechanisms are in place yet Date 19-Jul-2007 Comment	Value Mechanisms in place promoted by IW-learn. Date 13-May-2011 Comment IOC is liaising with as well as exchanging environmental data with ASCLME, and other EU funded projects such as ReCoMap, etc.	Value Staff of project mgt units of GEF projects participate in GEF-IW conferences Date 31-Dec-2012 Comment
Type Custom Indicator	Unit of Measure Text		

Data on Financial Performance (as of 07-Apr-2011)

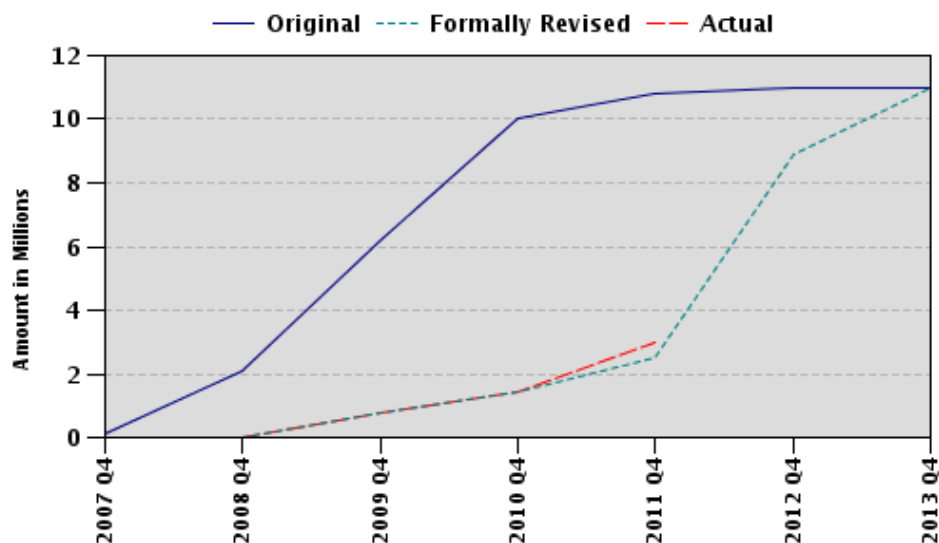
Financial Agreement(s) Key Dates

Project	Loan No.	Status	Approval Date	Signing Date	Effectiveness Date	Closing Date
P078643	TF-90304	Effective	21-Sep-2007	21-Sep-2007	21-Sep-2007	31-Dec-2012

Disbursements (in Millions)

Project	Loan No.	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P078643	TF-90304	Effective	USD	11.00	11.00	0.00	2.97	8.03	27.00

Disbursement Graph



Key Decisions Regarding Implementation

The MTR emphasized that much progress is being made in 5 of the participating States, but there is room to improve the commitment to the Project in Kenya and Tanzania. Efforts are underway to clarify and verify the roles of the National Focal Points in these two countries, and also to review and confirm responsibilities regarding implementation of Project components. Meetings and contacts in each country are taking place to follow-up on the program. The marine and hydrographic surveys along the Mozambique Channel for the establishment of the Marine Highway was completed. Survey data was transferred to the United Kingdom Hydrographic Office and has already been included in small and large-scale electronic nautical charts of the Project Area in December 2010. A "Surveyed Corridor" data system is prepared based on the charts. Now all participating states will need to submit a formal application to the IMO to convert the "Surveyed Corridor" data into a "Routing System". Hydrographic consultants IHWC have carried out surveys of Aids to Navigation and an inspection of possible AIS sites in Kenya, Madagascar, Mauritius, Mozambique, Seychelles and Tanzania; detailed reports have been received and are being processed for onward transmission to each country. Major training events on hydrographic and port state control training in French and English took place in November in Kenya and South Africa. Environmental consulting services (components B,C and D) with M/s BRLi/OTRA are well underway. Working groups in all countries are setup to manage at the national level all training activities for National Oil/Chemical Spill Contingency (NOSC) Plans, preparation of Environmentally Sensitive Area Maps (ESA), and policies for the use of dispersants.

Restructuring History

Level two Approved on 23-Dec-2010

Related Projects