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Implementation Status & Results

Middle East and North Africa

5M- Regional Coordination on Improved Water Resources Management and Capacity Building in Cooperation with NASA (P117170)

Operation Name:	5M- Regional Coordination on Improved Water Resources Management and Capacity Building in Cooperation with NASA (P117170)	Project Stage:	Implementation	Seq.No:	4	Status: ARCHIVED	Archive Date: 31-Dec-2013

	Country: Middle East and North Africa	Approval FY:	2011
Product Line: Global Environment Project	Region: MIDDLE EAST AND NORTH AFRICA	Lending Instrument:	Adaptable Program Loan
Implementing Agency(ies):			

Key Dates

Board Approval Date	09-Jun-2011	Original Closing Date	31-May-2015	Planned Mid Term Review Date	27-Mar-2014	Last Archived ISR Date	17-May-2013
Effectiveness Date	19-Dec-2011	Revised Closing Date	31-May-2015	Actual Mid Term Review Date			

Global Environmental Objectives

Global Environmental Objective (from Project Appraisal Document)

The GEF Global Objective of the project is to better manage local and regional water resources and reduce the threat of land degradation and climate change to vulnerable agricultural production systems and water resources in and across the project areas while developing options to address land-based pollution affecting the Mediterranean Sea.

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

○ Yes ◉ No

Component(s)

Component Name	Component Cost
Improved Local Water Resources and Agricultural Management	3.60
Capacity Building and Project Management	1.14
Regional Integration and Cooperation	0.39

Overall Ratings

	Previous Rating	Current Rating
Progress towards achievement of GEO	Moderately Satisfactory	Moderately Satisfactory
Overall Implementation Progress (IP)	Moderately Satisfactory	Moderately Unsatisfactory
Overall Risk Rating	Moderate	Moderate

Implementation Status Overview

The Grants for each of Lebanon, Jordan, Morocco, the Centre Regional de Teledetection des Etats d'Afrique du Nord (CRTEAN in Tunisia) and the Arab Water Council (AWC) are effective and currently under implementation. The Grant to Egypt, which was prepared as a second phase of the Program APL also became effective in August 2012. Project

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continues to benefit from technical assistance provided by the National Aeronautics and Space Administration (NASA) and USAID. Detailed technical implementation plans for the study and management of floods, droughts, snow cover, evapotranspiration mapping, crop yield assessment, hydrological and aquifer modeling, as well as measurement of impacts of climate change on national water balances among others, have been finalized in close consultation with the NASA team. These are currently in various stages of implementation as per each implementing agency's requirements.

National End User Engagement workshops were held in Lebanon (November 13, 2012), Jordan (November 11, 2012) and Tunisia (November 23, 2012), Morocco (January 17, 2013) and Egypt (April 14, 2013). The workshops are instrumental in ensuring vast and varied end-user participation (i.e. stakeholder agencies, academia, the private sector etc) in the development of various applications of remote sensing and earth observation for improved water resources and agricultural management. The principal outcome of the workshops was refining the technical implementation plans, a task which necessitated the time of implementing agency and NASA staff. As such, disbursement of the various grant is expected to increase in the future, as the technical plans are fully implemented.

As the regional project coordination office, the Arab Water Council had established RPMU, staffed with qualified specialists for procurement, financial management, project coordinator, etc., and coordinated with all PMUs and compiled the regional project progress report and the national workshop report, and also organized the first regional workshop in Dubai (May 7-9, 2013), and regional project management training workshop in Jordan in December, 2013.
The regional workshops gathered representatives from each implementing agency, NASA and the World Bank task team to discuss the project implementation progress, share and exchange the implementation experiences and the technical knowledges, and agree to the steps for project implementation moving forward.

All country PMUs had been established and staffed with qualified procurement and FM specialists, and the technical and research team also established for each subject study as requested by NASA experts. Some technical or training agreements/contracts have been signed with NASA & other international and local experts for various modeling studies, although they were delayed. Some preliminary studies/results have been derived by country PMUs, especially on the flood modeling (e.g. in Lebanon), and some of necessary equipment have been selected and their contracts will be signed soon by PMUs. The international and local technical training have been started, although it is still behind the original schedule. LIZ modeling agreement has been signed between NASA and Morocco government recently and the standard version has been installed with ICBA's assistance in Morocco, and some Preliminary hydrological products have been derived. The End-user engagement workshop had been conducted in each country as mentioned above. However, further specific End-user activities and related budget need to be identified and allocated, especially should be included in the annual detailed project investment and procurement implementation plan and updated POM.

The Bank supervision mission had good discussion with all project PMUs and various technical line agencies and End-users on current project implementation status, including the achievements, challenges, and concerns briefed by PMUs during the mission, and agreed on the follow-up actions to speed up the implementation progress. The supervision mission also worked closely with all the PMUs to update and complete the detailed project implementation plan, including the annual physical and financial targets for each component and sub-component, and identify with PMUs the specific activities related to the end-users with related budget allocation.

Locations

No Location data has been entered

Results

Global Environmental Objective Indicators

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Indicator Name	Core	Unit of Measure		Baseline	Current	End Target
WISP operational in at least 3 of 4 implementing agencies	☐	Number	Value	0.00	1.00	3.00
			Date	18-May-2011	15-Apr-2013	31-May-2015
			Comments		The Land Information System (LIS) is one of the Water Information System Platform (WISP) tools and has been transferred to Morocco by NASA (after signing the respective licensing and user agreement which the Bank task team played a lead role in mediating). Modelsfor drought and flood modelling have also been transferred to Morocco and Tunisia but are currently being validated.	
Number of major water resources decisions made taking into consideration WISP tools	☐	Number	Value	0.00	0.00	4.00
			Date	18-May-2011	15-Apr-2013	31-May-2015
			Comments		The use of WISP-outputs for decision making can only be sustainably made once the model outputs have been installed, tested and validated. By design, this will take place in the later stages of project implementation.	
Regional project data portal developed and operational	☐	Number	Value	0.00	0.00	1.00
			Date	18-May-2011	15-Apr-2013	31-May-2015
			Comments		The Arab Water Council is developing terms of reference for the regional project data portal and is collaborating with NASA in thisregard.	

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Intermediate Results Indicators

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Indicator Name	Core	Unit of Measure		Baseline	Current	End Target
Improved Local Water Resources and Agriculltural Management 1	☐	Number	Value	0.00	0.00	2.00
			Date	18-May-2011	06-Dec-2012	31-May-2015
			Comments		Soliciting feedback from various end users at the recently organized end user workshops in each of the implementing agencies plays a key role in informing the way in which water and agriculture are managed using remote sensing tools.	
Improved Local Water Resources and Agricultural Management 2	☐	Number	Value	0.00	2.00	15.00
			Date	18-May-2011	19-Jun-2012	31-May-2015
			Comments		Technical training has begun through specific NASA initiatives. More general training will feature as a major component of the regional workshop planned for February 2013.	
Capacity Building and Project Management 1	☐	Number	Value	0.00	0.00	4.00
			Date	18-May-2011	15-Apr-2013	31-May-2015
			Comments			
Regional Integration and Cooperation 1	☐	Number	Value	0.00	1.00	6.00
			Date	18-May-2011	15-Apr-2013	31-May-2015
			Comments		A first regional workshop was held in Dubai in October 2011. A second regional workshop is planned for May 2013.	
Regional Integration and Cooperation 2	☐	Number	Value	0.00	0.00	5.00
			Date	18-May-2011	15-Apr-2013	31-May-2015
			Comments			
Local stakeholder workshops held in each beneficiary country.	☐	Number	Value	0.00	5.00	6.00
			Date	18-May-2011	15-Apr-2013	31-May-2015
			Comments		End user workshops were held in Lebanon, Tunisia, Jordan, Morocco and Egypt.	

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Data on Financial Performance (as of 09-Dec-2013)

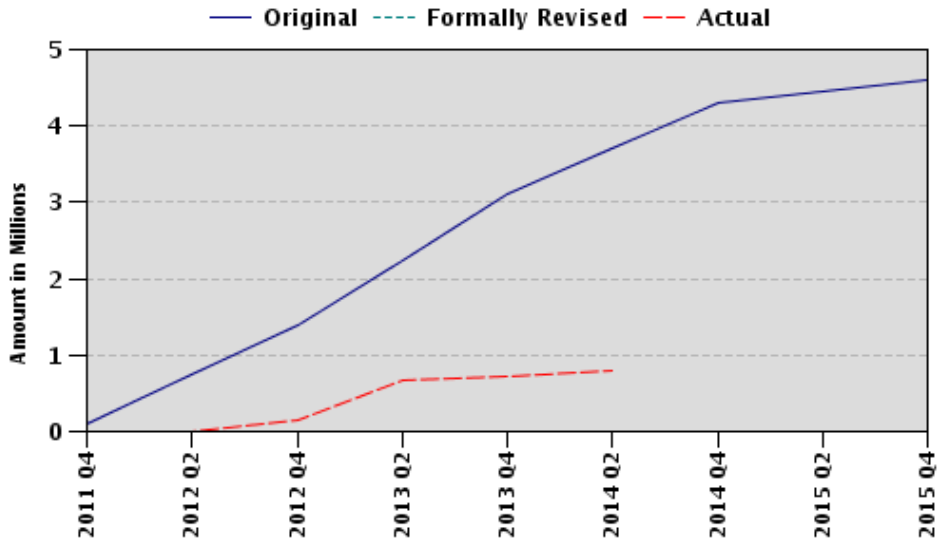
Financial Agreement(s) Key Dates

Project	Ln/Cr/Tf	Status	Approval Date	Signing Date	Effectiveness Date	Original Closing Date	Revised Closing Date
P117170	TF-10251	Effective	13-Oct-2011	13-Oct-2011	27-Jan-2012	31-May-2015	31-May-2015
P117170	TF-10252	Effective	11-Jan-2012	11-Jan-2012	30-Aug-2012	31-May-2015	31-May-2015
P117170	TF-10253	Effective	22-Aug-2011	22-Aug-2011	07-Mar-2012	31-May-2015	31-May-2015
P117170	TF-10254	Effective	15-Aug-2011	15-Aug-2011	19-Dec-2011	31-May-2015	31-May-2015
P117170	TF-10263	Effective	17-Aug-2011	17-Aug-2011	04-Apr-2012	31-May-2015	31-May-2015

Disbursements (in Millions)

Project	Ln/Cr/Tf	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P117170	TF-10251	Effective	USD	1.05	1.05	0.00	0.00	1.05	0.00
P117170	TF-10252	Effective	USD	1.05	1.05	0.00	0.16	0.89	15.00
P117170	TF-10253	Effective	USD	1.05	1.05	0.00	0.15	0.90	14.00
P117170	TF-10254	Effective	USD	0.39	0.39	0.00	0.25	0.15	63.00
P117170	TF-10263	Effective	USD	1.05	1.05	0.00	0.25	0.80	24.00

Disbursement Graph



Key Decisions Regarding Implementation

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N/A

Restructuring History

There has been no restructuring to date.

Related Projects

There are no related projects.

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