



Agro-biodiversity and Adaptation (P103922)

MIDDLE EAST AND NORTH AFRICA | Yemen, Republic of | Environment Global Practice |
Global Environment Project | Specific Investment Loan | FY 2010 | Seq No: 9 | ARCHIVED on 08-Dec-2014 | ISR16451 |

Implementing Agencies: Ministry of Agriculture and Irrigation (MAI)

Key Dates

Key Project Dates

Board Approval date:27-May-2010

Effectiveness Date:31-Aug-2010

Planned Mid Term Review Date:31-Aug-2012

Actual Mid-Term Review Date:27-Mar-2014

Original Closing Date:31-Aug-2014

Revised Closing Date:05-Mar-2015

Global Environmental Objectives

Global Environmental Objective (from Project Appraisal Document)

The Project development objectives are: (a) to enhance capacity and awareness at key national agencies and at local levels, to respond to climate variability and change; and (b) to better equip local communities to cope with climate change through the conservation and use of agro-biodiversity.

Has the Global Environmental Objective been changed since Board Approval of the Project Objective?

No

Components

Name

Agro-biodiversity and Local Knowledge Utilization and Assessment:(Cost \$0.37 M)

Climate Modeling and Capacity Building:(Cost \$0.60 M)

Integrating Climate Change into Rainfed Agriculture:(Cost \$2.80 M)

Project Management, Coordination, Monitoring and Evaluation:(Cost \$0.23 M)

Overall Ratings

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



Implementation Status and Key Decisions

1. This ISR Update records the progress status of two associated grants sharing the same project identification number P103922: (i) Agro-biodiversity and Climate Adaptation Project/ACAP (GEF grant TF096330) and (ii) Piloting Coping Strategies for Rainfed Farmers Project (JSDF grant TF098754).
2. Because of earlier travel restrictions associated with the country security situation, this update is based on a desk review of progress reports prepared by the implementing agency (Project Support Unit of the Ministry of Agriculture and Irrigation (MAI/PSU)) and consultations undertaken with the national counterparts via Skype and Video-conference on October 30, November 6 and 13, 2014.
3. After significant startup delays, both grants are under way to achieve most of their stated objectives and results by the upcoming closing date of March 5, 2015.
4. **GEF ACAP** - The accelerated pace of implementation has been sustained since the last mission in March 2014. As a result, all major activities under each of the project components are already completed or well underway for completion before the upcoming closing date of March 5, 2015. Key activities remaining pending are related to downscaling of climate models and sharing climate information with stakeholders and end-users. Disbursement levels are expected to exceed 80%.
5. **JSDF Piloting Coping Strategies** - Despite the relatively low disbursement level of 33%, implementation performance of all activities has improved with noticeable progress under the four components and the project is expected to achieve its objectives by the closing date of March 5, 2015. The end-target value for most of the intermediate outcome indicators has been achieved due to use of the already existing field units of MAI in the targeted districts.
6. Maintaining this accelerated pace of execution during the final months will be critical to allow the satisfactory achievement of ACAP's stated objective and results.
7. In view of the approaching closing date of the two grants, enhanced coordination and collaboration amongst the Ministry of Agriculture and Irrigation (MAI) and the Civil Aviation and Meteorology Authority (CAMA) are required to complete in time the remaining activities related to climate change modeling, capacity building and information sharing with end-users. The Recipient's project completion report will be submitted to the World Bank before the closing of the two grants.

Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	--	--	● Moderate
Macroeconomic	--	--	● Moderate
Sector Strategies and Policies	--	--	● Substantial
Technical Design of Project or Program	--	--	● Moderate
Institutional Capacity for Implementation and Sustainability	--	--	● Substantial
Fiduciary	--	--	● Moderate
Environment and Social	--	--	● Moderate

Stakeholders	--	--	● Moderate
Other	--	--	--
Overall	--	--	● Moderate

Results

Global Environmental Objective Indicators

► Lessons from community pilots are documented and scaled up (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0	0	Lessons learned captured and mostly disseminated to the targeted farming communities.	Scaling up begins
Date	31-Aug-2010	15-Mar-2014	05-Oct-2014	31-Aug-2014

Comments

► Strategy for climate resilient agriculture for rainfed highlands adopted and applied by key national agencies (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	N	N	Y	Y
Date	31-Aug-2010	15-Mar-2014	05-Oct-2014	31-Aug-2014

Comments

Strategy has been prepared and 2-day workshop chaired by Minister of Agriculture and Irrigation was organized for senior policy makers in MAI, relevant national and regional agencies and key stakeholders. Final Strategy Report has been submitted to the bank for review. Formal adoption by Government is expected before closing.



► Direct project beneficiaries (Number, Core)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	7209.00	10157.00	10000.00
Date	31-Aug-2010	15-Mar-2014	05-Oct-2014	31-Aug-2014

Comments

Including from the upgrading of terraces, construction of water storage tanks, flood protection works, soil conservation and small income generation projects.

► Female beneficiaries (Percentage, Core Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	28.84	41.00	40.00
Date	31-Aug-2010	15-Mar-2014	05-Oct-2014	31-Aug-2014

Comments

► Client days of training provided (number) (Number, Core)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	6996.00	10802.00	7696.00
Date	--	15-Mar-2014	05-Oct-2014	31-Aug-2014

Comments

Training was on a continuous process and included farmers and technical training. Farmers training focused on awareness, building capacity of community organizations, preparation of community plans, etc; while technical training for engineers from CAMA, NWRA, AREA and MAI is on technical and policy issues. About 50% of the participants from the farming communities are women.



▸ Client days of training provided - Female (number) (Number, Core Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	3348.00	5235.00	3683.00
Date	31-Aug-2010	15-Mar-2014	05-Oct-2014	31-Aug-2014

Comments

▸ JSDF - Pilot communities have developed plans for natural resource management focusing on conservation and adaptation planning based on agro-biodiveristy resources (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	6.00	12.00	8.00
Date	15-Mar-2011	15-Mar-2014	05-Oct-2014	31-Dec-2014

Comments

12 community plans completed in the 12 targeted villages in June 2014.

▸ JSDF - Beneficiaries, especially female, have been trained on water conservation, nutrition, natural resource conservation, etc. beyond the 10 -12 pilot villages (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	685.00	1432.00	1500.00
Date	15-Mar-2011	15-Mar-2014	05-Oct-2014	31-Dec-2014

Comments

2 training sessions in each district were conducted by the facilitation teams.



► JSDF - Number of community pilots using local knowledge & agro-biodiversity resources designed and developed (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	22.00	38.00	20.00
Date	15-Mar-2011	15-Mar-2014	05-Oct-2014	31-Dec-2014

Comments

Some of the income generation projects related to agro-biodiversity and local knowledge were undertaken by pilot communities.

Overall Comments

Intermediate Results Indicators

► Comp 1- By YR2, inventory of agro-biodiversity resources completed and documented (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	100.00
Date	31-Aug-2010	15-Mar-2014	05-Oct-2014	31-Dec-2013

Comments

Workshop postponed until January 2015 when AREA completes its second contract to present the results obtained under both contracts.

► Comp 1- By YR2, Climate resilience profiles of at least 5 landraces developed, and these landraces piloted (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	46.00	5.00
Date	31-Aug-2010	15-Mar-2014	05-Oct-2014	31-Mar-2014

Comments

AREA has tested 14 sorghum, 10 wheat, 10 barely, 7 lentils and 5 peas landraces under farmers field condition and the final results will be received by Jan. 2015.



► Comp 2- By YR1, existing MOU on sharing and harmonization of climate data strengthened and institutionalized in relevant climate related agencies (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	0.00	100.00
Date	--	15-Mar-2014	05-Oct-2014	30-Apr-2013

Comments

A contract was signed in Oct. 2014 with a local consultant to prepare the MOU.

► Comp 2- By YR4, number of trained technical specialist in climate related agencies to undertake climate modeling (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	8.00
Date	31-Aug-2010	15-Mar-2014	05-Oct-2014	31-Dec-2013

Comments

CAMA has received the alert system equipment. Training on climate modeling will be carried out in early December 2014.

► Comp 2 - Improved local data sets developed and local capacity to predict regional climate change based on global circulation modeloutput enhanced on a pilot basis (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	100.00	100.00
Date	31-Aug-2010	15-Mar-2014	05-Oct-2014	31-Oct-2013

Comments

This has been accomplished as per CAMA draft final report received in Sept. 2014.

► By end of YR 2 number of community coping strategies developed (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	70.00	125.00	100.00
Date	31-Aug-2010	15-Mar-2014	05-Oct-2014	31-Dec-2013

Comments



► Comp. 3- By end of YR3, at least 20 coping strategies are tested and piloted in local landscape units (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	22.00	81.00	20.00
Date	31-Aug-2010	15-Mar-2014	05-Oct-2014	31-Aug-2014

Comments

Coping strategies include upgrading of terraces, construction of efficient small water storage, soil conservation, establishment of model farm, etc.

► Comp. 3- By end of YR3, draft strategy for climate resilient agriculture for rain-fed highlands endorsed by MAI (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Climate considerations not included in Strategy	0	Strategy has been prepared and endorsed by MAI.	Strategy drafted and endorsed
Date	31-Aug-2010	15-Mar-2014	05-Oct-2014	31-Aug-2014

Comments

Strategy has been prepared and 2- day workshop was organized for senior policy makers in MAI and stakeholders from the targeted districts. Final Report was sent to WB.

► Comp. 4- By end of YR1, monitoring and evaluation system in place (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0	Completed	Completed	M&E system in place and in use by end of YR1
Date	31-Aug-2010	15-Mar-2014	05-Oct-2014	31-Aug-2014



Comments

► MTR findings and lessons learned are being incorporated into PIM (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	MTR findings and lessons learned not incorporated in PIM	PIM revision is completed.	Completed with lessons learned incorporated into PIM	PIM is revised incorporating MTR findings and lessons learned
Date	31-Aug-2010	15-Mar-2014	05-Oct-2014	01-Apr-2014

Comments

Completed and lessons learned incorporated.

► JSDF - Comp 1: Community agro-biodiversity plans developed in villages (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	6.00	12.00	12.00
Date	15-Mar-2011	15-Mar-2014	05-Oct-2014	31-Dec-2014

Comments

12 community plans completed in the 12 targeted villages in June 2014.

► JSDF - Comp 2: Criteria for selection of projects finalized (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	15-Mar-2011	15-Mar-2014	05-Oct-2014	28-Feb-2014

Comments

Criteria was finalized in May 2014 and approved by PSU.



► JSDF - Comp 2: By Yr. 3, at least 20 small income generation projects are up and running (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	16.00	20.00
Date	15-Mar-2011	15-Mar-2014	05-Oct-2014	30-Aug-2014

Comments

16 small income generation projects (such as bee keeping, recycling of waste, planting of almond trees, livestock rearing, etc.) are under operation.

► JSDF - Comp 2: Conservation methods documented (community local knowledge) (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	Yes	Yes
Date	15-Mar-2011	15-Mar-2014	05-Oct-2014	31-Dec-2014

Comments

National Consultants conducted a survey in May 2014 to document traditional knowledge on conservation methods. Results will be disseminated to the stakeholders.

► JSDF - Comp 3: At least 10 small scale upgrading projects approved and implemented by communities (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	47.00	67.00	10.00
Date	15-Mar-2011	15-Mar-2014	05-Oct-2014	15-Mar-2014

Comments

Including 23 terrace locations and 10 water storage tanks completed in Northern Field Units and 22 terraces & 12 water tanks in Taiz.



► JSDF - Comp 3: Committee has been set up to oversee process (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	15-Mar-2011	15-Mar-2014	05-Oct-2014	15-Mar-2014

Comments

Committee includes 14 associations for construction supervision & O&M.

► JSDF - Comp 4: Awareness raising and dissemination programs designed (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	15-Mar-2011	15-Mar-2014	05-Oct-2014	15-Mar-2014

Comments

Implemented in all the targeted districts.

► JSDF - Comp 4: First phase of community awareness program launched (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	15-Mar-2011	15-Mar-2014	05-Oct-2014	15-Mar-2014


Comments

Already implemented in January / Feb 2014.

Overall Comments

Data on Financial Performance

Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	Disbursed
P103922	TF-96330	Effective	USD	4.00	4.00	0.00	3.20	0.80	 80%

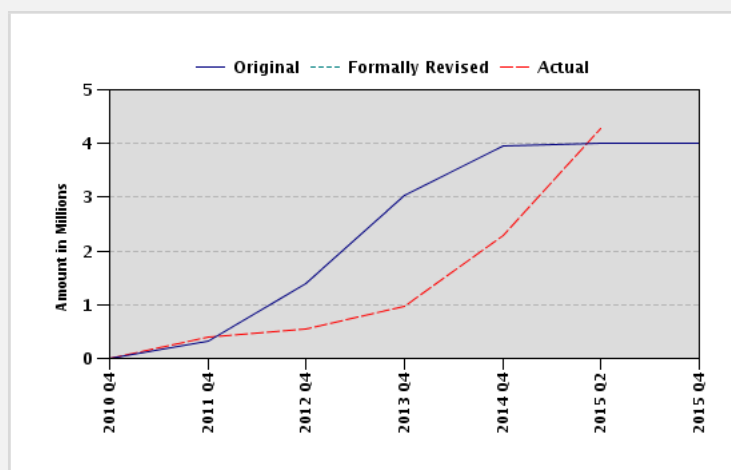


P103922	TF-98754	Effective	USD	2.78	2.78	0.00	1.07	1.70	<div style="width: 39%; height: 15px; background-color: #4CAF50;"></div>	39%
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Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P103922	TF-96330	Effective	28-Jun-2010	28-Jun-2010	31-Aug-2010	31-Aug-2014	05-Mar-2015
P103922	TF-98754	Effective	23-Feb-2011	05-Mar-2011	31-May-2012	05-Mar-2015	05-Mar-2015

Cumulative Disbursements



Restructuring History

Level Approved on 08-Jul-2014 ,Level 2 Approved on 29-Jul-2014

Related Project(s)

There are no related projects.