

## Sustainable Management of Agricultural Research and Technology Dissemination (SMARTD) (P117243)

EAST ASIA AND PACIFIC | Indonesia | Agriculture and Rural Development Global Practice |  
 IBRD/IDA | Specific Investment Loan | FY 2013 | Seq No: 6 | ARCHIVED on 25-Jun-2015 | ISR18270 |

Implementing Agencies:

### Key Dates

#### Key Project Dates

Board Approval date:02-Aug-2012

Effectiveness Date:25-Oct-2012

Planned Mid Term Review Date:04-May-2015

Actual Mid-Term Review Date:28-Mar-2015

Original Closing Date:30-Sep-2017

Revised Closing Date:30-Sep-2017

### Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The objective of the Project is to improve the institutional capacity and performance of the Indonesian Agency for Agricultural Research and Development (IAARD) to develop and disseminate relevant and demand-driven innovative technologies, meeting the needs of producers and of the agri-food system.

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

No

### Components

Name

Development and Management of Human Resources:(Cost \$40.00 M)

Improvement in Research Infrastructure and Facilities:(Cost \$35.00 M)

Research Management and Policy Support:(Cost \$15.00 M)

Project Management and Monitoring and Evaluation:(Cost \$10.00 M)

### Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	● Moderately Satisfactory	● Moderately Unsatisfactory
Overall Implementation Progress (IP)	● Moderately Satisfactory	● Moderately Unsatisfactory
Overall Risk Rating	● Substantial	● Substantial

## Implementation Status and Key Decisions

Project implementation is gradually improving but the achievement of targets is lagging behind and disbursement remains low. After a period of learning and adjusting, the project and its management has found a working mode that provides better outputs and results towards the achievement of the PDO. Especially the performance of components A, B and C has improved significantly not only in delivering their planned outputs, but also in referring more and more to an overall strategy (grand design) and harmonization of the three components to strengthen the research capacity of selected institutions. This integration increases the relevance and effectiveness of separate investments in infrastructure, human resources and research programs by linking them together and matching them to a specific research purpose. Though this may be the case in the headquarters, the challenge remains to perform the integration through “link and match” investments at the level of the different working units. Collaborative research activities and training for researchers have resulted in improving the capacity of IAARD in developing and disseminating three hundred thirty technologies including bio-industry and organic farming, and publishing 65 articles in international journals. The development of facilities and infrastructure for laboratories is progressing well including equipment provision for the Nano technology laboratory at Post Harvest Research Institute has been completed. This facility has been recognized as an advanced Nano laboratory equipment. Currently IAARD has established a Working Group for laboratory accreditation and training on laboratory accreditation is under preparation. Short term scientific and technician training has continued albeit at a slower pace than originally planned.



## Risks

### Systematic Operations Risk-rating Tool

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

## Results

### Project Development Objective Indicators

#### ► Clients who have adopted an improved agr. technology promoted by the project (Number, Core)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	30.00	--	--	50.00
Date	01-Jul-2012	16-Nov-2014	01-May-2015	31-Oct-2017

#### Comments

The measurement of this indicator has not been made yet due to many different interpretations of the term 'adopted' due to IAARD/ PMU unclear definition and methodology in data collection, in particular measuring adoption of technologies disseminated to farmers. In order to

assist IAARD/ PMU to improve its data collection for the PDO, the Bank has recruited an International Monitoring and Evaluation Consultant who joined the mission and who will work with IAARD/PMU and provide guidance and support to define each indicator and its data collection methods. Precise definition of the term is now being made as part of the M&E Manual. Surveys are being prepared for implementation. That includes the differentiation of adoption by female farmers (see below)

▲ Clients who adopted an improved agr. technology promoted by project – female (Number, Core Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.00	--	--	1.00
Date	24-May-2013	31-May-2014	31-May-2014	31-Oct-2017

▶ Technologies demonstrated in the project areas (number) (Number, Core)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	32.00	330.00	330.00	72.00
Date	01-Jul-2012	16-Nov-2014	01-May-2015	31-Oct-2017

Comments

The data on technologies demonstrated are provided by IAARD. The origine of the baseline data and with that the target are unclear. Investigation is ongoing. No new survey done yet.

▶ Publications in international peer reviewed journals (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	9.00	53.00	65.00	41.00
Date	01-Jul-2012	16-Nov-2014	31-Mar-2015	30-Sep-2017

Comments

The actual figure on publications in international peer reviewed journals is published in the IAARD statistics.

► External Funding (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	3.80	--	11.00	12.50
Date	01-Jul-2012	31-May-2014	01-May-2015	31-Oct-2017

Overall Comments

**Intermediate Results Indicators**

► percentage of IAARD staff that are researchers (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	25.23	23.88	24.35	33.00
Date	01-Jul-2012	16-Nov-2014	31-Mar-2015	31-Oct-2017

Comments

Percentage of staff reduced due to retirement and limited replacement.

► IAARD Researchers with MSc and/or PhD (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1161.00	1133.00	1154.00	1624.00
Date	30-Oct-2013	16-Nov-2014	31-Mar-2015	31-Oct-2017

▶ IAARD Budget devoted to research (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	26.12	--	68.00	35.00
Date	01-Jul-2012	30-Oct-2013	31-Dec-2014	31-Oct-2017

Comments

Précising the indicator was necessary as there was a wide spread of interpretations. Value used is total IAARD budget minus salary costs (32%) as reported in the IAARD Statistical yearbook. more precision is necessary and will be part of the M&E manual.

▶ number of laboratories supported under SMARTD accredited nationally and internationally (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	15.00	15.00	15.00	21.00
Date	30-Oct-2013	30-Oct-2013	30-Oct-2013	31-Oct-2017

Comments

Accreditation process will occur after HR, facilities and program training have been implemented. A start is made with the first completed laboratories.

▶ Number of Experimental Stations supported under SMARTD accredited nationally and internationally. (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	8.00
Date	01-Jul-2012	16-Nov-2014	16-Nov-2014	30-Sep-2017

Comments

Accreditation process will occur after HR, facilities and program training have been implemented. A start is made with the first completed laboratories.



▶ Number of laboratories supported under SMARTD involved in international research networking (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	7.00	10.00
Date	01-Jul-2012	31-May-2014	31-Mar-2015	31-Oct-2017

▶ Collaborative research/extension sub-projects under implementation/completed (Number, Core)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	181.00	351.00	370.00	668.00
Date	01-Jul-2012	16-Nov-2014	31-Mar-2015	30-Sep-2017

Comments

The target of total completion is 688 collaborative research projects. A target for research projects under implementation is modified from 688 (which is cumulative) to 200 which is actual running projects.

▲ Collaborative research or extension sub-projects - under implementation (Number, Core Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	181.00	156.00	196.00	200.00
Date	01-Jul-2012	16-Nov-2014	16-Nov-2014	30-Sep-2017

▲ Collaborative research or extension sub-projects - completed (number) (Number, Core Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	334.00	508.00	300.00
Date	01-Jul-2012	16-Nov-2014	31-Mar-2015	30-Sep-2017

#### ► Patents and Licences (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	29.00	109.00	85.00	37.00
Date	01-Jul-2012	16-Nov-2014	16-Nov-2014	30-Sep-2017

#### Comments

some licences are not extended and some patents have entered the public domain.

#### ► Dissemination area (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.00	1.00	1.00	1.40
Date	01-Jul-2012	31-Oct-2013	31-Oct-2013	30-Sep-2017


#### Comments

awaiting survey after redefinition of indicator.

#### Overall Comments

### Data on Financial Performance

#### Disbursements (by loan)

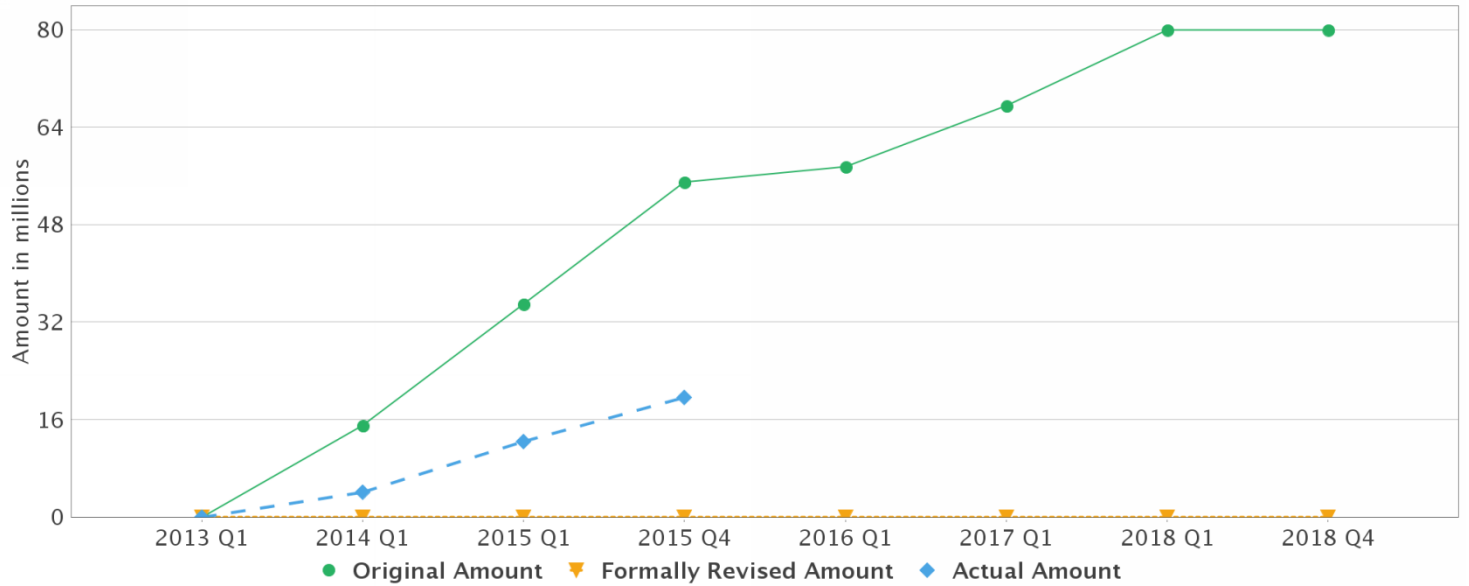
Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	Disbursed
P117243	IBRD-81880	Effective	USD	80.00	80.00	0.00	19.64	60.36	 25%

#### Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P117243	IBRD-81880	Effective	02-Aug-2012	12-Sep-2012	25-Oct-2012	30-Sep-2017	30-Sep-2017

#### Cumulative Disbursements





## Restructuring History

There has been no restructuring to date.

## Related Project(s)

There are no related projects.