



Peru: Enhancement of Environmental Quality Services (P147342)

LATIN AMERICA AND CARIBBEAN | Peru | Environment & Natural Resources Global Practice | IBRD/IDA | Investment Project Financing | FY 2017 | Seq No: 5 | ARCHIVED on 23-Feb-2019 | ISR35791 |

Implementing Agencies: REPUBLIC OF PERU, Ministry of Environment, Organismo de Evaluacion y Fiscalizacion Ambiental

Key Dates

Key Project Dates

Bank Approval Date: 11-Jan-2017

Effectiveness Date: 10-May-2017

Planned Mid Term Review Date: 15-Jan-2020

Actual Mid-Term Review Date: --

Original Closing Date: 01-Jun-2022

Revised Closing Date: 01-Jun-2022

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The objective of this project is to generate and share information for environmental quality control at the national level by supporting the Government of Peru to improve its environmental monitoring and analytical capacity, increase public access to environmental quality information, and promote informed public participation in environmental quality management.

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

No

Components

Name

Improve Environmental Quality Control:(Cost \$61.42 M)

Information Information Disclosure and Public Participation for Environmental Quality Control:(Cost \$4.83 M)

Project Management:(Cost \$4.16 M)

Overall Ratings

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

Implementation Status and Key Decisions

Since effectiveness, the project has made good progress in both components 1 and 2. The Project Coordinating Unit (PCU) has set up technical teams for each project component and their corresponding subcomponents that have support the Executing Agency project implementation. OEFA purchased the land plot where its laboratory will be built. The Executing Agency also hired the consultancy firm that will conduct the detailed design studies for infrastructure and equipment of the laboratory. Several other consultancies have been contracted. Up to date investments in the project represent 14.8 percent of the total, mostly financed by counterpart funds. By the end of FY19 investments financed by IBRD funds will reach US\$ 3.5 million.



Risks

Systematic Operations Risk-rating Tool

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

Results

PDO Indicators by Objectives / Outcomes

Objective. 1 Improve Environmental Quality Control				
▶ Analytical parameters accredited for the OEFA laboratory (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	70.00
Date	01-Mar-2017	03-Aug-2018	31-Jan-2019	01-Jun-2022
Comments:	This indicator measures the progress of the project financed laboratory in achieving its designed analytical capacity. INACAL is legally responsible for accrediting laboratories. This can only be achieved after the construction and operation of OEFA's Environmental Laboratory. The consultancy for the detailed-design studies to build and equip the laboratory will start in the first quarter of 2019.			
▶ Validated air quality monitoring networks in operation supported by the project (recommendation 25.1 of the Action Plan for the implementation of the recommendations of the Peru OECD EPR) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	7.00
Date	01-Mar-2017	03-Aug-2018	31-Jan-2019	01-Jun-2022



Comments:	<p>This indicator measures the number of networks: one control center and various monitoring stations connected to it. "Validated" means having a certification as a proof to meet certain Peruvian quality assurance and quality control protocols at the monitoring station and control center level. Target is to complete and validate the protocol at Year 2. SENAMHI has the competence for validating air quality monitoring networks. NOTE: recommendation 25.1 of the Action Plan for the implementation of OECD EPR recommendations approved under Supreme Resolution 04-2016-MINAM requires implementation of 31 prioritized air monitoring networks, six of which will be implemented with support from the project. the existing Lima-Callao network will be enhanced and validated by the project. The studies for the location of air quality monitoring stations in priority cities were completed in December 2018. The consultancy for preparing an emissions inventory and reviewing Lima's air quality monitoring network will start in the first quarter of 2019.</p>			
►Validated surface water quality monitoring networks in operation supported by the project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	1.00
Date	01-Mar-2017	03-Aug-2018	31-Jan-2019	01-Jun-2022
Comments:	<p>This indicator measures the number of networks: one control center and various monitoring stations connected to it. "Validated" means having a certification as proof to meet certain Peruvian quality assurance and quality control s at the monitoring station and control center level. Working with ANA, OEFA will develop a protocol for monitoring validation. OEFA will validate the operations and maintenance of the system each year. The consultancies for (i) detailed-design studies for stations and equipment for measuring water and soil quality monitoring; and, (ii) design and implementation of an integrated water and soil quality monitoring network of the Rimac river basin will start in the first quarter of 2019.</p>			

Objective 2. Improve Information and Public Participation for Environmental Quality Control				
►Average user satisfaction score of the National Environmental Information System (SINIA) (disaggregated by sex) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	2.00	2.00	2.00	4.00
Date	01-Mar-2017	03-Aug-2018	31-Jan-2019	28-Feb-2022
Comments:	<p>This indicator measures the efficacy of the SINIA to serve the needs of the public for accessing environmental quality information and participating in controlling and managing environmental quality. The scale of the score is 1 to 5 based on a user survey.</p>			
►Environmental quality information disclosed through SINIA (aligned to recommendation 7 of the OECD Environmental Performance Review of Peru, 2016) (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	5.00	5.00	5.00	100.00
Date	01-Mar-2017	03-Aug-2018	31-Jan-2019	28-Feb-2022
Comments:	<p>This indicator measures the available environmental quality monitoring data on air (according to ECAs), water (according to ECAs) and soil (according to ECAs) quality collected by SINIA from monitoring exercises (stations and manual) of the five national agencies, which will be disclosed to the public. SINIA will collect data from ANA, DIGESA, SENAMHI,OEFA and MINAM. NOTE: Aligned with recommendation 7 of the Environmental Performance Review of Peru to the to the Working Party on Environmental Performance, Environment Directorate, OECD. The Executing Agency has made progress to achieved this results indicator, particularly by hiring consultancy firms to: (i) conduct the detailed-design studies for the infrastructure and equipment needed to improve MINAM's datacenter; (ii) design ECAs for air emissions of heavy metals;</p>			



(iii) design MLPs for emissions in key industrial sectors; (iv) conduct detailed design studies for stations and equipment for measuring water and soil quality monitoring; (v) carry out an emissions inventory and review of Lima's air quality monitoring network; and (vi) design and implement an integrated water and soil quality monitoring network of the Rimac river basin. Additionally, the Executing Agency completed the study on the location of air quality monitoring stations in priority cities.

Intermediate Results Indicators by Components

1. Improve Environmental Quality Control				
▶LMPs established or revised supported by the project (recommendation 26.2 of the Action Plan for the implementation of the recommendations of the Peru OECD EPR). (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	5.00
Date	01-Mar-2017	03-Aug-2018	31-Jan-2019	01-Jun-2022
Comments:	The consultancy to analyze and design of maximum permissible limits (MLPs) for emissions in key industrial sectors will start in the first quarter of 2019. LMP established means developing an emissions or discharge standard. NOTE: Recommendation 26.2 of the Action Plan for the implementation of OECD EPR recommendations approved under Supreme Resolution 04-2016-MINAM requires to complete LMPs in sectors lacking these standards or update existing LMPs. The Project will contribute to achieving this recommendation with five LMPs.			
▶Accredited laboratories with Good Laboratory Practice compliance (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	10.00
Date	01-Mar-2017	03-Aug-2018	31-Jan-2019	01-Jun-2022
Comments:	This indicator measures how many laboratories have been able to comply with GLP requirements. This can only be achieved after the construction and operation of OEFA's Environmental Laboratory. The consultancy for the detailed-design studies to build and equip the laboratory will start in the first quarter of 2019.			
▶OEFA Lab Established (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	1.00
Date	01-Mar-2017	03-Aug-2018	31-Jan-2019	01-Jun-2022
Comments:	OEFA lab is constructed, equipped and fully functional. The consultancy for the detailed-design studies to build and equip the laboratory will start in the first quarter fo 2019.			
▶Functioning water quality monitoring station established by the project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	0.00	0.00	0.00	19.00
Date	01-Mar-2017	03-Aug-2018	31-Jan-2019	01-Jun-2022
Comments:	The indicator measures the number of water quality monitoring station established by the project. The consultancies for (i) detailed-design studies for stations and equipment for measuring water and soil quality monitoring; and, (ii) design and implementation of an integrated water and soil quality monitoring network of the Rimac river basin will start in the first quarter of 2019.			
►Samples analyzed by OEFA laboratory (Number (Thousand), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	150.00
Date	01-Mar-2017	03-Aug-2018	31-Jan-2019	01-Jun-2022
Comments:	This indicator measures the capacity of the OEFA laboratory in performing sample analysis. The consultancy for the detailed-design studies to build and equip the laboratory will start in the first quarter fo 2019.			
►ECAs established or revised supported by the project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	1.00
Date	01-Mar-2017	03-Aug-2018	31-Jan-2019	01-Jun-2022
Comments:	The consultancy for designing ECAs for air emissions of heavy metals will start in the first quarter of 2019.			
►Functioning air quality monitoring stations established by the project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	16.00
Date	01-Mar-2017	03-Aug-2018	31-Jan-2019	01-Jun-2022
Comments:	Number of air quality monitoring stations established by the project and in operation. The studies for the location of air quality monitoring stations in priority cities were completed in December 2018. The consultancy for preparing an emissions inventory and reviewing Lima's air quality monitoring network will start in the first quarter of 2019.			

2. Information Information Disclosure and Public Participation for Environmental Quality Control

►Public Engagement tools deployed (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.00	1.00	1.00	7.00
Date	01-Mar-2017	03-Aug-2018	31-Jan-2019	01-Jun-2022



Comments:	Public engagement tools developed by the project but probably also by the market. Tools includes easy access ways to send information (e.g. photos, text and voice messages) directly to SINIA related to environmental quality using simple mobile technology as well as sophisticated applications. As per the Project's implementation plan, consultancies and equipment purchases for developing those engagement tools are planned for 2020.			
►National entities submitting environmental quality information to SINIA (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.00	1.00	1.00	5.00
Date	01-Mar-2017	03-Aug-2018	31-Jan-2019	01-Jun-2022
Comments:	The indicator measures five targeted agencies (ANA, DIGESA, SENAMHI, OEFA and MINAM) submitting different types of information according to an inter-operability agreement (based on the information sharing protocol) signed between MINAM and the concerned institutions.			
►Response rate to registered public requests for environmental quality information with SINIA (aligned to recommendation 7 of the OECD Environmental Performance Review of Peru, 2016) (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	40.00	40.00	40.00	70.00
Date	01-Mar-2017	03-Aug-2018	31-Jan-2019	01-Jun-2022
Comments:	Response rate is within 7 working days/month. NOTE: Aligned to recommendation 7 of the OECD Environmental Performance Assessment of Peru, 2016 to the Working Party on Environmental Performance, Environment Directorate, OECD, 2016.			
►CSO staff trained on public engagement tools (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	200.00
Date	01-Mar-2017	03-Aug-2018	31-Jan-2019	01-Jun-2022
►Visits to the project supported public engagement platforms (Number (Thousand), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	300.00	1,049.00	1,476,949.00	3,130.00
Date	01-Mar-2017	03-Aug-2018	20-Nov-2018	01-Jun-2022
►Software engineers trained on open data and potential uses of such data (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
Date	01-Mar-2017	03-Aug-2018	31-Jan-2019	01-Jun-2022
►Officials trained on the use of environmental quality information for informed decision making (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	0.00	0.00	0.00	110.00
Date	01-Mar-2017	03-Aug-2018	31-Jan-2019	01-Jun-2022

Data on Financial Performance

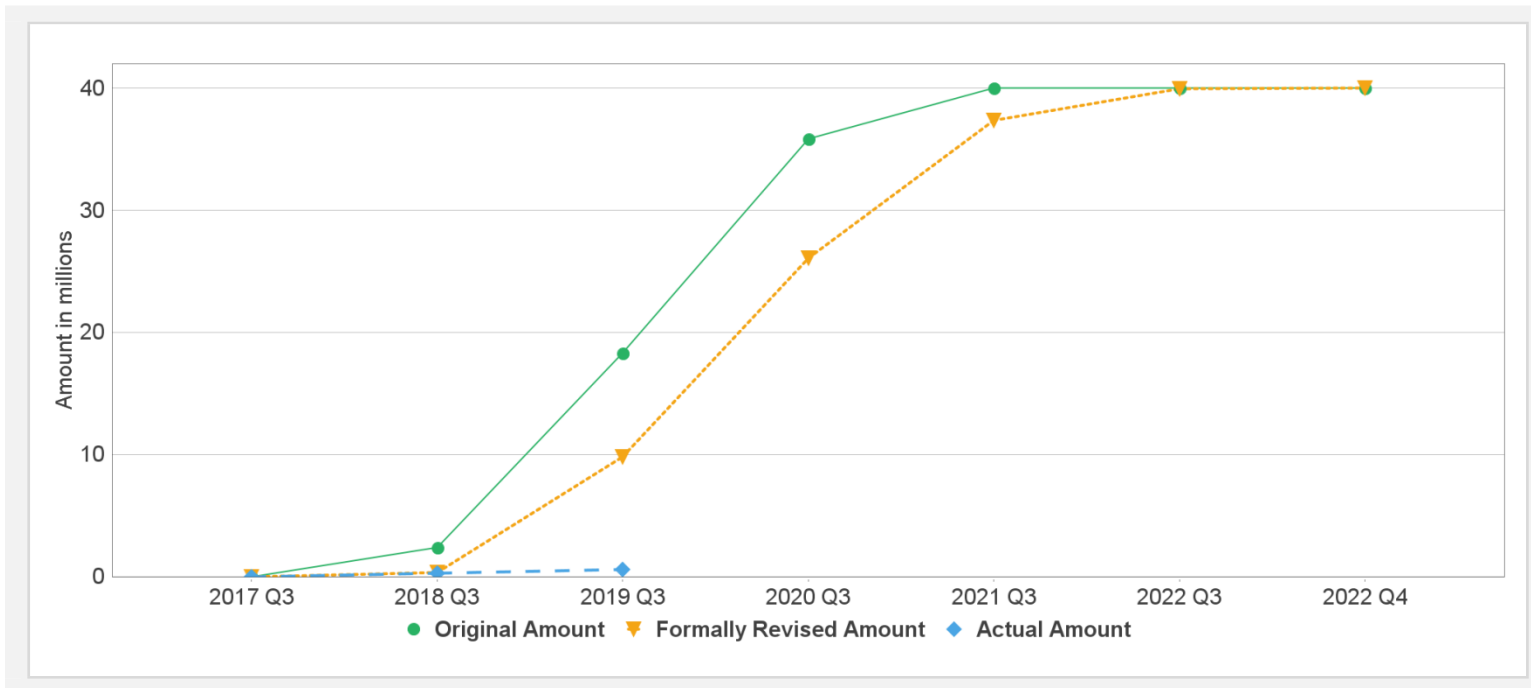
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P147342	IBRD-86800	Effective	USD	40.00	40.00	0.00	0.59	39.41	1.5%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P147342	IBRD-86800	Effective	11-Jan-2017	08-Feb-2017	10-May-2017	01-Jun-2022	01-Jun-2022

Cumulative Disbursements





Restructuring History

There has been no restructuring to date.

Related Project(s)

There are no related projects.
