



Operation Number: **PN0158**  
Year- PMR Cycle: **First period Jan-Jun 2014**  
Last Update: **10/31/2014**  
PMR Validation Stage: **Validated by Representative**

Chief of Operations validation date: **10/31/2014**  
Division Chief validation date: **11/04/2014**  
Country Representative validation date: **11/13/2014**

Inter-American Development Bank - IDB  
Office of Strategic Planning and Development Effectiveness

## Operation Profile

### Basic Data

Operation name:	Multiphase Technological Transformation Program-PhaseI	Loan Number:	1987/OC-PN
Executing Agency (EA):	SECRETARIA NACIONAL DE CIENCIA Y TECNOLOGIA		
Team Leader:	Solis Ahumada,Galileo Humberto	Sector/Subsector:	R&D AND INNOVATION FUNDING
Operation Type:	Loan Operation	Overall Stage:	Closed (All the loans are closed).
Lending Instrument:	Investment Loan	Country:	PANAMA
Borrower:	REPUBLICA DE PANAMA	Convergence related Operation(s):	

### Total Cost and Source

	Original IDB	Current Active IDB	Local Counterpart	Co-Financing/Country	Total operation cost - Original Estimate
PN0158	\$19,700,000.00	\$19,700,000.00	\$9,300,000.00	\$0.00	\$29,000,000.00

### Available Funds (US\$)

	Current IDB	Disb. Amount to Date	% Disbursed	Undisbursed Balance
PN0158	\$19,700,000.00	\$14,616,532.69	74.20%	\$5,083,467.31

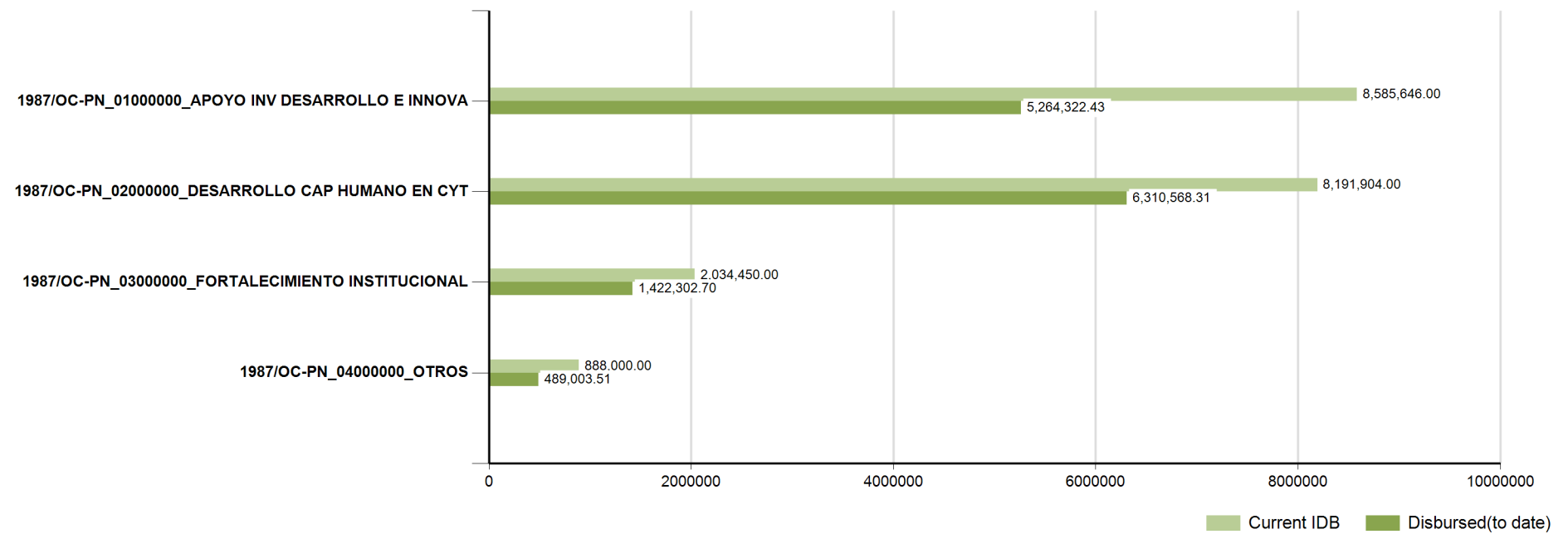
### Environmental and Social Safeguards

Main Operation	
Impacts Category:	C
Safeguard Performance Rating:	
Safeguard Performance Rating - Rationale:	

### Reformulation Information

Main Operation	
Was/Were the objective(s) of this operation reformulated?	NO
Date of approval:	

Expense Categories by Loan Contract (cumulative values)



Results Matrix

Impacts

Impact:	1 Aumentada la capacidad de empresas y centros de investigación para innovar y adoptar tecnología									
Observation:										
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	2009	2011	2013	EOP
1.1 Inversión en I+D como % de ACT		%	0.38	2008	RICYT		P			
							P(a)	0.40	0.41	0.43
							A	0.40	0.41	

 RF - RF Indicator     SI - Sector Indicator     CI - Country Indicator     PG - Pro-Gender     PE - Pro-Ethnicity

Outcomes

Outcome:	1 Aumentada la capacidad de empresas y centros de investigación para innovar y adoptar tecnología.										
Observation:											
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	2009		2011	2013	EOP
1.1 Inversión en innovación como % de ventas totales.		%	0.47	2008	Encuesta de I+D+i realizada cada 2 años		P				
	P(a)						0.49	0.51	0.53	0.53	
	A						0.49	0.50			
1.2 Nuevos productos o servicios		Prod o serv	492.00	2008	Encuesta I +D+i realizada cada 2 años		P				
	P(a)						507.00	522.00	538.00	538.00	
	A						508.00	508.00			
Outcome:	2 Mejorado el Recurso Humano requerido para un Sistema Nacional de Ciencia, Tecnología e Innovación										
Observation:											
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	2009		2011	2013	EOP
2.1 Estudiantes beneficiados por el programa que muestran progreso		estudiantes	0.00	2008	Informe de Evaluacion		P	0.00	30.00	60.00	60.00
	P(a)						0.00	600.00	1,200.00	1,200.00	
	A						10.00				
2.2 Sistema de detección de talentos en funcionamiento		sistemas	0.00	2008	Verificación del Sistema		P	0.00	1.00	1.00	1.00
	P(a)						0.00	1.00	1.00	1.00	
	A						1.00	1.00			
2.3 Nuevos miembros del Sistema Nacional de Investigación (estudiantes, profesionales e instituciones beneficiadas)		miembros del sistema	0.00	2008	Registros de Secretaria Técnica		P	16.00	15.00	30.00	61.00
	P(a)						16.00	15.00	30.00	61.00	
	A						62.00	62.00			

2.4 Becas de maestrías nacionales		becas	0.00	2008	Informe de la Universidad Tecnológica de Panamá		P	15.00	15.00	0.00	30.00
							P(a)	15.00	15.00	0.00	30.00
							A	10.00	10.00		
2.5 Becas de doctorado en el extranjero otorgadas		becas	0.00	2008	Informe de Programa de Becas de SENACYT		P	4.00	5.00	5.00	14.00
							P(a)	4.00	5.00	5.00	14.00
							A	14.00			
Outcome:	3 Fortalecido el Sistema Nacional de Ciencia, Tecnología e Innovación										
Observation:											
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations					
							2009	2011	2013	EOP	
3.1 Proyectos de institutos nacionales en ejecución		proyectos	0.00	2008	Informe de Avance de los institutos apoyados		P	5.00	5.00	5.00	15.00
							P(a)	5.00	5.00	5.00	15.00
							A	6.00	6.00		

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Outputs: Annual Physical and Financial Progress

Apoyo Investigacion, Desarrollo e Innovacion		Physical Progress			Financial Progress		
Outputs	Unit of Measure	2014		EOP	2014		EOP
Empresas con proyectos de innovación financiados	proyectos	P		31.00	P		3,239,000.00
		P(a)		54.00	P(a)		2,784,976.00
		A	7.00	61.00	A	170,678.00	2,955,654.00
Proyectos I+D adjudicados	proyectos	P		23.00	P		2,768,000.00
		P(a)		44.00	P(a)		1,913,238.00
		A	10.00	54.00	A	636,604.00	2,549,842.00
Proyectos de Colaboración Internacional adjudicados	proyectos	P		9.00	P		470,000.00
		P(a)		17.00	P(a)		823,169.00
		A	0.00	17.00	A		823,169.00
Inversiones en Desarrollo de capital humano en ciencia y tecnología		Physical Progress			Financial Progress		
Outputs	Unit of Measure	2014		EOP	2014		EOP
Talleres de Capacitación Docente realizados	talleres	P		25.00	P		1,055,000.00
		P(a)		35.00	P(a)		568,900.00
		A	1.00	36.00	A	149,277.00	718,177.00
Jóvenes identificados como talentosos	jóvenes	P		400.00	P		178,000.00
		P(a)		7,444.00	P(a)		300,479.00
		A	282.00	7,726.00	A	109,190.00	409,669.00
Becas al extranjero otorgadas	becas	P		19.00	P		2,770,000.00
		P(a)		14.00	P(a)		2,000,000.00
		A	0.00	14.00	A		2,000,000.00
Becas de maestría científica otorgadas	becas	P		33.00	P		883,000.00
		P(a)		28.00	P(a)		1,277,000.00
		A		28.00	A		1,277,000.00
Infoplazas nuevas instaladas	Infoplazas	P		0.00	P		0.00
		P(a)	15.00	34.00	P(a)	262,000.00	798,196.00
		A	10.00	29.00	A		536,196.00
Infoplazas existentes renovadas	Infoplazas	P		0.00	P		0.00
		P(a)	13.00	17.00	P(a)	165.50	148,165.50
		A	3.00	7.00	A		148,000.00
Apoyo institucional al sistema de innovación nacional		Physical Progress			Financial Progress		
Outputs	Unit of Measure	2014		EOP	2014		EOP
Mecanismos de consulta (think tanks) establecidos	mecanismos	P		2.00	P		113,000.00
		P(a)		2.00	P(a)		100,000.00
		A	0.00	2.00	A		100,000.00
Proyectos en centros nacionales de investigación adjudicados	proyectos	P		15.00	P		1,560,000.00
		P(a)		21.00	P(a)		1,439,984.00
		A	0.00	21.00	A		1,439,984.00
Indicadores especializados publicados	publicaciones	P		1.00	P		700,000.00
		P(a)		1.00	P(a)		285,000.00
		A	0.00	1.00	A		285,000.00
Administracion							

Other Cost		2014	Cost
Administracion	P		\$1,844,000.00
	P(a)		\$1,855,797.00
	A		\$1,855,797.00
Apoyo a I+D e Innovacion (contrapartida local)	P		\$3,411,000.00
	P(a)		\$3,411,000.00
	A		\$3,411,000.00
Inversión en Desarrollo de Capital Humano en CyT (Contrapartida Local)	P		\$2,142,000.00
	P(a)		\$2,142,000.00
	A		\$2,142,000.00
Apoyo Institucional al SNI (contrapartida local)	P		\$3,697,000.00
	P(a)		\$3,697,000.00
	A		\$3,697,000.00
Total Cost		2014	Total Cost
	P		\$24,830,000.00
	P(a)	\$262,165.50	\$24,348,488.00
	A	\$1,065,749.00	\$24,348,488.00

Changes to the Matrix

No information related to this operation.

Please note that the Overall Stage represents the stage of the operation at the time of this report’s publication, which might not necessarily match the stage of the operation during the PMR Cycle to which the report pertains.