

PMR Operational Report

| | | | |
|-----------------------------|-----------------------------|---|----------|
| Operation Number | AR-L1156 | Chief of Operations Validation Date | 04/19/17 |
| Year- PMR Cycle | Second period Jan-Dec 2016 | Division Chief Validation Date | 04/25/17 |
| Last Update | 03/21/17 | Country Representative Validation Date | 04/28/17 |
| PMR Validation Stage | Validated by Representative | | |

Basic Data

Operation Profile

| | | | |
|---------------------------|--|---|---|
| Operation Name | Science and Technology Scholarships - Program BEC.AR | Loan Number | 3066/OC-AR |
| Executing Agency | JEFATURA DE GABINETE DE MINISTROS | Sector/Subsector | ST-HRD - SCIENCE AND TECHNOLOGY-ADVANCED HUMAN CAPITAL |
| Team Leader | ANGELELLI,PABLO JAVIER | Overall Stage | Disbursing (From eligibility until all the Operations are closed) |
| Operation Type | Loan Operation | Country | ARGENTINA |
| Lending Instrument | Investment Loan | Convergence related Operation(s) | |
| Borrower | Republica Argentina | | |

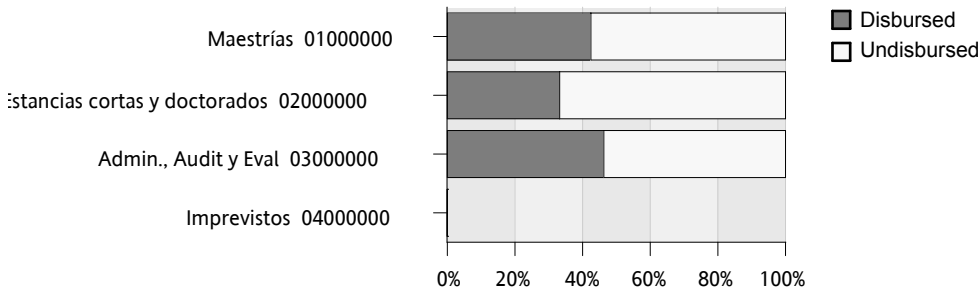
Environmental and Social Safeguards

| | | | |
|---|---|--|----|
| Impacts Category | C | Was/Were the objective(s) of this operation reformulated? | NO |
| Safeguard Performance Rating | | Date of approval | |
| Safeguard Performance Rating - Rationale | | | |

Financial Data

| Item | Total Cost and Source | | | | | Available Funds (US\$) | | | |
|-------------------|-----------------------|-------------------|-------------------|------------------------|---------------------|------------------------|----------------------|---------------|--------------------|
| | Original IDB | Current IDB | Local Counterpart | Co-Financing / Country | Total Original Cost | Current IDB | Disb. Amount to Date | % Disb | Undisbursed Amount |
| AR-L1156 | 24,000,000 | 24,000,000 | 2,600,000 | 0 | 26,600,000 | 24,000,000 | 13,300,000 | 55.42% | 10,700,000 |
| Aggregated | 24,000,000 | 24,000,000 | 2,600,000 | 0 | 26,600,000 | 24,000,000 | 13,300,000 | 55.42% | 10,700,000 |

Expense Categories by Loan Contract (cumulative values)



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. Please also note that inactive indicators and outputs are not displayed; totals in the actual cost table may not match the sum of the cost of the outputs displayed, due to the cost of inactive outputs.

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RESULTS MATRIX

IMPACTS

Impact Nbr. 0: Crecimiento de la productividad total de los factores

Observation:

| Indicator | | Unit of Measure | Baseline | Baseline Year | | 2019 | EOP 2019 |
|--------------------------------------|---|-----------------|---------------|---------------|------|------|----------|
| 0.0 | Diferencia en el cambio porcentual en la productividad total de los factores entre las empresas beneficiarias y el grupo de control | índice | 1.0 | 2012 | P | | 1.15 |
| | | | | | P(a) | | |
| | | | | | A | | |
| Details | | | | | | | |
| Means of verification: Informe final | | | | | | | |
| Pro-Gender | | No | Pro-Ethnicity | | No | | |

Impact Nbr. 1: Aumento de la cantidad de investigadores en el sector privado

Observation:

| Indicator | | Unit of Measure | Baseline | Baseline Year | | 2019 | EOP 2019 |
|--------------------------------------|---|-----------------|---------------|---------------|------|------|----------|
| 1.0 | Porcentaje de investigadores en el sector privado | % | 9.6 | 2012 | P | | 17.00 |
| | | | | | P(a) | | |
| | | | | | A | | |
| Details | | | | | | | |
| Means of verification: Informe final | | | | | | | |
| Pro-Gender | | No | Pro-Ethnicity | | No | | |

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OUTCOMES

Outcome Nbr. 3: Aumento de la producción científica por parte de los beneficiarios

Observation:

| Indicator | | Unit of Measure | Baseline | Baseline Year | | EOP 2019 |
|---|--|-----------------|---------------|---------------|------|----------|
| 3.0 | Diferencia en la cantidad de publicaciones entre los beneficiarios de las becas para doctorados y personal de instituciones de CTI y el grupo control. | % | 0.0 | 2012 | P | 40.00 |
| | | | | | P(a) | |
| | | | | | A | |
| Details | | | | | | |
| Means of verification: Informes de Progreso | | | | | | |
| Pro-Gender | | No | Pro-Ethnicity | | No | |

Outcome Nbr. 2: Aumento de la inversión en actividades de innovación de las empresas beneficiarias

Observation: Actividades de innovación son todas aquellas prácticas o acciones desarrolladas por las empresas en pos de la transformación de una idea en un producto nuevo o mejorado introducido en el mercado, un proceso productivo nuevo o mejorado, o bien en la introducción de cambios en la forma de organización y gestión de la firma, la introducción de métodos de venta o distribución nuevos o mejorados de forma significativa.

| Indicator | | Unit of Measure | Baseline | Baseline Year | | EOP 2019 |
|---|--|-----------------|---------------|---------------|------|----------|
| 2.0 | Diferencia en el cambio porcentual en la inversión en actividades de innovación entre las empresas beneficiarias y el grupo de control | % | 0.0 | 2012 | P | 15.00 |
| | | | | | P(a) | |
| | | | | | A | |
| Details | | | | | | |
| Means of verification: Informes de Progreso | | | | | | |
| Pro-Gender | | No | Pro-Ethnicity | | No | |

Outcome Nbr. 1: Aumento de la productividad de las empresas beneficiarias

Observation:

| Indicator | | Unit of Measure | Baseline | Baseline Year | | EOP 2019 |
|---|---|-----------------|---------------|---------------|------|----------|
| 1.0 | Diferencia en el cambio porcentual de la productividad del trabajo entre las empresas beneficiarias y el grupo de control | % | 0.0 | 2012 | P | 10.00 |
| | | | | | P(a) | |
| | | | | | A | |
| Details | | | | | | |
| Means of verification: Informes de Progreso | | | | | | |
| Pro-Gender | | No | Pro-Ethnicity | | No | |

Outcome Nbr. 0: Aumento del nivel de ingreso de los beneficiarios

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OUTCOMES

Observation:

| Indicator | | Unit of Measure | Baseline | Baseline Year | | EOP 2019 |
|---|---|-----------------|---------------|---------------|------|----------|
| 0.0 | Diferencia en el cambio porcentual del nivel de ingresos entre becados de maestrías en CyT beneficiarios del Programa y el grupo de control | % | 0.0 | 2012 | P | 70.00 |
| | | | | | P(a) | |
| | | | | | A | |
| Details | | | | | | |
| Means of verification: Informes de Progreso | | | | | | |
| Pro-Gender | | No | Pro-Ethnicity | | No | |

Outcome Nbr. 5: Distribución regional de los beneficios

Observation:

| Indicator | | Unit of Measure | Baseline | Baseline Year | | EOP 2019 |
|---|--|-----------------|---------------|---------------|------|----------|
| 5.0 | Participación de personas de las zonas de Patagonia, Cuyo, NEA y NOA en el total de beneficiarios de maestrías en CyT del programa en el exterior. | % | 25.49 | 2012 | P | 30.00 |
| | | | | | P(a) | |
| | | | | | A | |
| Details | | | | | | |
| Means of verification: Informes de Progreso | | | | | | |
| Pro-Gender | | No | Pro-Ethnicity | | No | |

Outcome Nbr. 4: Participación de mujeres

Observation:

| Indicator | | Unit of Measure | Baseline | Baseline Year | | EOP 2019 |
|---|---|-----------------|---------------|---------------|------|----------|
| 4.0 | Participación de mujeres en total de beneficiarios a través del programa de maestrías en CyT en el exterior | % | 32.03 | 2012 | P | 35.00 |
| | | | | | P(a) | |
| | | | | | A | |
| Details | | | | | | |
| Means of verification: Informes de Progreso | | | | | | |
| Pro-Gender | | No | Pro-Ethnicity | | No | |

| Indicator | | Unit of Measure | Baseline | Baseline Year | | EOP 2019 |
|-----------|---|-----------------|----------|---------------|---|----------|
| 4.1 | Personas capacitadas a través de estancias cortas que son mujeres | número | 0.0 | 2012 | P | 40.00 |

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OUTCOMES

| | | | | | | |
|---|---|--------|---------------|------|------|--|
| 4.1 | Personas capacitadas a través de estancias cortas que son mujeres | número | 0.0 | 2012 | P(a) | |
| | | | | | A | |
| Details | | | | | | |
| Means of verification: Informes de Progreso | | | | | | |
| Pro-Gender | | No | Pro-Ethnicity | | No | |

RESULTS MATRIX

OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

Component Nbr. 1 Mejoramiento del capital humano avanzado a través del otorgamiento de becas de maestrías en áreas prioritarias de ciencia y tecnología

| | Output | Unit of Measure | | PHYSICAL PROGRESS | | FINANCIAL PROGRESS | |
|-----|-----------------|-----------------|------|-------------------|----------|--------------------|------------|
| | | | | 2016 | EOP 2019 | 2016 | EOP 2019 |
| 1.1 | Becas otorgadas | becas | P | 210 | 450 | 7,630,000 | 17,415,000 |
| | | | P(a) | 90 | 306 | 7,247,000 | 17,333,036 |
| | | | A | 71 | 206 | 5,389,036 | 7,933,036 |

Component Nbr. 2 Mejoramiento del capital humano avanzado a través del otorgamiento de becas para estancias cortas de formación en ciencia y tecnología

| | Output | Unit of Measure | | PHYSICAL PROGRESS | | FINANCIAL PROGRESS | |
|-----|---|-----------------|------|-------------------|----------|--------------------|-----------|
| | | | | 2016 | EOP 2019 | 2016 | EOP 2019 |
| 2.1 | Becas otorgadas para estancias cortas para PyMEs | becas | P | 60 | 120 | 1,500,000 | 3,325,000 |
| | | | P(a) | 15 | 45 | 461,000 | 1,445,902 |
| | | | A | 0 | 20 | 145,902 | 195,902 |
| 2.2 | Becas otorgadas para estancias cortas para grandes empresas | becas | P | 30 | 60 | 750,000 | 1,500,000 |
| | | | P(a) | 15 | 41 | 400,000 | 1,760,482 |
| | | | A | 0 | 16 | 69,800 | 119,800 |
| 2.3 | Becas otorgadas para estancias cortas para instituciones de CTI | becas | P | 20 | 40 | 300,000 | 600,000 |
| | | | P(a) | 65 | 105 | 750,000 | 2,068,559 |
| | | | A | 55 | 55 | 168,559 | 168,559 |
| 2.4 | Becas para doctorados | becas | P | 10 | 55 | 225,000 | 1,237,500 |
| | | | P(a) | 30 | 75 | 1,618,000 | 1,752,227 |
| | | | A | 30 | 75 | 1,636,227 | 1,752,227 |

Other Cost

| | | | | | | |
|--|--------------------------|------|--|--|---------|------------|
| | Administración | P | | | 363,625 | 1,418,125 |
| | | P(a) | | | 314,000 | 2,161,583 |
| | | A | | | 673,583 | 1,611,583 |
| | Comunicación y logística | P | | | 53,625 | 281,531.25 |
| | | P(a) | | | 0 | 49,586 |
| | | A | | | 1,586 | 2,586 |
| | Costos financieros | P | | | 58,625 | 418,125 |
| | | P(a) | | | | 28,625 |
| | | A | | | | 0 |
| | Imprevistos | P | | | 0 | 404,718.75 |
| | | P(a) | | | | 0 |
| | | A | | | | 0 |

Total Cost

| | | | | | | |
|--|------------|------|--|--|------------|------------|
| | Total Cost | P | | | 10,880,875 | 26,600,000 |
| | | P(a) | | | 10,790,000 | 26,600,000 |
| | | A | | | 8,084,693 | 11,783,693 |

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CHANGES TO THE MATRIX

| Section | Name | Type of Change | Reasons | Entered in the System | Agreed with Executing Agency |
|---------|---|-------------------------|--|-----------------------|------------------------------|
| Output | Becas otorgadas para estancias cortas para instituciones de CTI | Modify Output | Replanificacion financiera anual | 03/06/2017 | 03/06/2017 |
| Output | Becas otorgadas para estancias cortas para grandes empresas | Modify Output | Replanificacion financiera anual | 03/08/2017 | 03/06/2017 |
| Output | Becas otorgadas | Modify Output | Replanificacion financiera anual | 03/08/2017 | 03/06/2017 |
| Output | Becas otorgadas para estancias cortas para PyMEs | Modify Output | Replanificacion financiera anual | 03/08/2017 | 03/06/2017 |
| Output | Becas otorgadas | Modify Output | Replanificacion de metas | 03/08/2017 | 03/06/2017 |
| Output | Becas para doctorados | Modify Output | Replanificacion financiera anual | 03/06/2017 | 03/06/2017 |
| Impact | Porcentaje de investigadores en el sector privado | Modify Impact Indicator | Se agregó el medio de verificación del indicador de impacto que estaba incompleto de acuerdo a lo solicitado por el sistema. | 03/08/2017 | 03/08/2017 |
| Impact | Diferencia en el cambio porcentual en la productividad total de los factores entre las empresas beneficiarias y el grupo de control | Modify Impact Indicator | Se agregó el medio de verificación del indicador de impacto que estaba incompleto de acuerdo a lo solicitado por el sistema. | 03/08/2017 | 03/08/2017 |
| Output | Becas otorgadas para estancias cortas para instituciones de CTI | Modify Output | Replanificacion de metas | 03/08/2017 | 03/06/2017 |