

Basic Information

Approval Year	: 2018	Region	: REG
Team Leader	: Vargas Cuevas, Fernando Esteban	Country	: Regional
Taxonomy	: Research and Dissemination	Department	: IFD
Fund	: INS,ORC-INS	Sector	: ST - R&D And Innovation Funding
Approval Number	: ATN/OC-16779-RG	Sub Sector	: RDI
Execution Agency	: US-IDB		
Execution Status	: Closed		
Operation Objective	: Improve the understanding of the challenges posed by the new digital economy to the economies of Latin America and the Caribbean in the field of human capital.		

Financial Information

RG-T3199

ATN/OC-16779-RG:ORC	Original	Current	% of Current Amount Financed
Amount Financed	\$500,000.00	\$498,735.04	
Disbursed Amount	N/A	\$498,735.04	100.00 %
Commitments not yet disbursed Amount	N/A	-	0.00 %
Available Amount	N/A	-	0.00 %
Final Disbursement Date	Jun 21, 2022		

Status Update

The technical cooperation ended with important results and documentation on how to improve understanding of the challenges posed by the new digital economy to the economies of Latin America and the Caribbean in the area of human capital. The cooperation made it possible to analyze the effects of bootcamps as training methods and responses to the new digitalization needs. It also made it possible to observe the role of universities in different Latin American countries and finally, through pilots, to establish digital content to visualize these advances. The complete execution of the three components was achieved with publications that demonstrated the experience of the region, with innovative programs and pilots.

Advance in the Achievement of Outcome and Outputs

Advance in the Achievement of Outcome

1 . Apoyar a los países de la región a avanzar en la determinación de las necesidades de capital humano con destrezas digitales y alinear el contenido de la educación y formación a la nueva demanda

Through diagnoses, analyses and exploratory processes, this technical cooperation was able to improve understanding of the challenges posed by the new digital economy to the economies of Latin America and the Caribbean in the area of human capital. As a result of the TC, pilots, platforms and publications were made available on the IDB website, where the needs for workforce reskilling were presented, both in terms of the content of education and training for the digital economy and the dimension of the challenge, given the economic structure of the region.

Advances in Execution

1. Mapeo de las tendencias y necesidades de las habilidades del futuro

Component Cost: \$139,000

Output Indicator	Indicator Detail	Unit Of Measure	Baseline	Baseline Year	Means Of Verification	Theme	Year	P	P(A)	A
1.1 * Diagnostics and assessments completed	Estudio de revisión de literatura sobre destrezas para la economía digital y de revisión de fuentes secundarias con información sobre oferta y demanda (INS)	Diagnostics (#)	0	2017	Número de documento Ezshare	Digital Economy	Physical			
							2018	0		0
							2019	2		2
							2020	0		0
							2021	0		0
							2022			0
							EOP 2022	2	0	2
							Financial			
							2018	0		
							2019	105000		
							2020	0		0
							2021	0	0	
							2022			
							EOP 2022	105000	0	0

Advances In Execution: In 2019: to provide the public and private sector with a deeper understanding of the transition in the demand for skills in the digital revolution and how the market has responded to this transformation, the following products were elaborated: (i) Publication and promotion of the digital-book "Disrupting Talent: The Emergence of Coding Bootcamps and the Future of Digital Skills", considering how current technological trends have been modifying traditional educational services to offer an improved combination of professional and educational training. This publication explains how boot camps have become an effective alternative to the needs of the industry through high-quality and up-to-date technical training, as well as some considerations to develop public policies that align with these developments; (Link to publication: <https://publications.iadb.org/en/disrupting-talent-emergence-coding-bootcamps-and-future-digital-skills>) (ii) and completion of the technical note "Description and Preliminary Assessment of Existing Data on Digital Talent in Latin America and the Caribbean" as a review of secondary sources (surveys, databases and pre-existing studies) that contains information about the supply and demand of the workforce that is capable of digital skills in Latin America and the Caribbean.

Output Indicator	Indicator Detail	Unit Of Measure	Baseline	Baseline Year	Means Of Verification	Theme	Year	P	P(A)	A
1.2 ^s Diagnostics and assessments completed	Estudios de mejores prácticas internacionales realizados (INS)	Diagnostics (#)	0	2017	Número de documento Ezshare	Digital Economy	Physical			
							2018	0		1
							2019	1		1
							2020	0		0
							2021	0		0
							2022		1	1
							EOP 2022	1	3	3
							Financial			
							2018	0		
							2019	60000		
							2020	0		0
							2021	0		
							2022		69000	69000
							EOP 2022	60000	69000	69000
Advances In Execution: By 2022, a publication on universities and their contribution to dynamic entrepreneurship: a study of their potential was published. This publication was jointly produced by the IDB, the OECD and Universia. The publication is available on the IDB website.										

Output Indicator	Indicator Detail	Unit Of Measure	Baseline	Baseline Year	Means Of Verification	Theme	Year	P	P(A)	A
1.3 ^s Diagnostics and assessments completed	Estudios diagnósticos ALC a nivel país o territorio de brecha de talento con destrezas digitales (INS)	Diagnostics (#)	0	2017	Número de documento Ezshare	Digital Economy	Physical			
							2018	0		0
							2019	0		1
							2020	3		3
							2021	0		1
							2022		1	1
							EOP 2022	3	6	6
							Financial			
							2018	0		
							2019	0		
							2020	70000		6637.5
							2021	0	63362.5	6538.74
							2022			56823.76
EOP 2022	70000	70000	70000							
Advances In Execution: By 2022, an analysis was conducted on the role of bootcamps not only as digital training tools, but also on their role for market responsiveness and digital transformation										
2. Pilotos de instrumentos para cerrar la brecha de talento humano con habilidades del futuro										
Component Cost: \$285,086										

Output Indicator	Indicator Detail	Unit Of Measure	Baseline	Baseline Year	Means Of Verification	Theme	Year	P	P(A)	A
2.1 ^s Pilot interventions implemented	Despliegue a pequeña escala de experimentos de programas de reskilling digital en la región (INS)	Pilots (#)	0	2017	Contratos de consultorias	Digital Economy	Physical			
							2018	0		0
							2019	1		1
							2020	1		1
							2021	0		1
							2022		1	1
							EOP 2022	2	4	4
							Financial			
							2018	0		
							2019	100000		
							2020	100000		103130
							2021	0		113094.77
							2022		68861.52	68861.52
							EOP 2022	200000	285086.29	285086.29

Advances In Execution: Four pilots were developed where small-scale experimentation was generated. These pilots were: 1. NIPU: In alliance with the Ruta N innovation hub in Medellin, Colombia, a technological solution has been devised to extend vocational guidance in the area of digital technology through an Artificial Intelligence program for a group of local youth. This platform has been designed and launched during 2020 and is currently being implemented and scaled with the support of Ruta N. It is mainly focused on high school graduates and young adults looking to start university level studies. The project was completed during 2020. 2. RC: Together with MICITT, the project supported the design of a pilot program for financing bootcamps. The implementation was financed with an investment loan executed by MICITT that has been successful in developing digital skills. TC also supported the evaluation of the program. 3. ESPOL: A pioneering methodology was carried out, both locally and regionally, in the coastal region of Guayaquil, Ecuador to measure the economic and social impacts of the contribution of university activities within society. 4. UR: TC supported a consultancy with the objective of providing an assessment of human capital with digital competencies that responded to the demands of the Uruguayan private sector, as well as advising UTEC in the creation of an international call for proposals that aligned with those needs. UTEC successfully implemented a pilot program with resources from another TC that has already been scaled up as a national program in partnership with INEFOP.

3. Difusión y continuidad

Component Cost: \$25,500

Output Indicator	Indicator Detail	Unit Of Measure	Baseline	Baseline Year	Means Of Verification	Theme	Year	P	P(A)	A
3.1 ^s Seminars organized	Evento para la difusión de las lecciones aprendidas de los estudios y pilotos entre hacedores de políticas, académicos y el sector privado (INS)	Seminars (#)	0	2017	Lista de invitados y correos de invitación mandados	Digital Economy	Physical			
							2018	0		1
							2019	0		5
							2020	1		2
							2021	0		1
							2022		1	1
							EOP 2022	1	10	10
							Financial			
							2018	0		
							2019	0		
							2020	15000		0
							2021	0		20500
							2022		5000	5000
							EOP 2022	15000	25500	25500
Advances In Execution: The seminars ended with the socialization of the OECD publication in Brazil and Colombia in October 2022.										

Output Indicator	Indicator Detail	Unit Of Measure	Baseline	Baseline Year	Means Of Verification	Theme	Year	P	P(A)	A
3.2 ^s Virtual platforms designed	Creación de una serie de contenidos digitales (Sitio web, Serie de Facebook Live, Canal Digital) (INS)	Platforms (#)	0	2017	Enlace al material digital	Digital Economy	Physical			
							2018	0		0
							2019	1		0
							2020	1	0	1
							2021	1	3	3
							2022			0
							EOP 2022	3	4	4
							Financial			
							2018	0		
							2019	5000		
							2020	5000		0
							2021	5000		
							2022			14148.75
							EOP 2022	15000	0	14148.75

Advances In Execution: An online digital dashboard about bootcamps in the Latin American region is being developed, to become a tool for both providers and prospective students in the region to fulfill reskilling needs. Given the explosive growth of and expanding interest in coding bootcamps in Latin America and the Caribbean over the past couple of years, an updated directory and profile of bootcamps in the region is becoming a ‘must have’. As a response, a mapping exercise was documented in which there are upwards of 40 bootcamps operating in more than 91 distinct locations, in 17 countries in the region. Moreover, it must be highlighted the contribution to the development of an online digital dashboard (A content management system (CMS) that can easily be updated and is currently on the making. This digital dashboard can be a tool for both providers and prospective students in the region and identify the range of bootcamp options in the region. The dashboard is currently being analyzed by KIC to mae it available soon in the IDB website. In addition to this, regarding the online digital repository developed in (airtable platform) to agglutinate software and databases used in the scientific disciplines of epidemiology, virology, biomedicine and synthetic biology, and giving continuity to the consultancy started in 2020, a report was prepared with the main objective of investigating the digital skills required in bioinformatics to work in the response to the COVID-19 pandemic and to analyze the need for the development of digital skills in the region. The report identified the main software tools and databases used in the scientific disciplines of epidemiology, virology, biomedicine and synthetic biology; and its associated costs for Latin America and presented the Latin American inventory of such tools in one online platform with public access. Finally, regarding the implementation of an online educational platform (NIPU in alliance with Ruta N, Colombia): After the launch of the first phase in 2020 of a platform developed by NIU (local Colombian firm) to provide vocational guidance (through a mentor based on artificial intelligence) in the career selection process among Medellin's youth, the project has completed its implementation, aiming to scale its scope of work regionally. The lessons learned from the implementation of said platform serve as input for the launch of future innovation programs for digital education.