

## TC ABSTRACT

### I. Basic Project Data

▪ Country/Region:	BRAZIL/CSC - Southern Cone
▪ TC Name:	Pilot for modular TVET in São Paulo's digital industries
▪ TC Number:	BR-T1460
▪ Team Leader/Members:	GOUVEA GOMES, LIVIA (SCL/LMK) Team Leader; DUENAS HERRERA, XIMENA (SCL/EDU) Alternate Team Leader; COSSI FERNANDES, JOAO PAULO (SCL/EDU); BENTATA, CLAIRE (SCL/LMK); EGHBALI, PADYDEH; GARCIA VALERO, ANDREA CAROLINA (SCL/LMK); VERISSIMO DA SILVA, CAROLINA (LEG/SGO); VALENTE LINS, PAULA (CSC/CBR); HERNANDEZ-CARTAGENA, CAROLINA L. (SCL/LMK); URQUIDI ZIJDERVELD, MANUEL ENRIQUE (SCL/LMK); GONZALEZ HERRERA, BEATRIZ MARIA (SCL/LMK); PENAHERRERA PROANO, SEBASTIAN (SCL/LMK); CARPIZO RIVA PALACIO, CARLOS IGNACIO (VPC/FMP); SALAZAR, DAVID AGUSTIN (VPC/FMP)
▪ Taxonomy:	Client Support
▪ Number and name of operation supported by the TC:	N/A
▪ Date of TC Abstract:	14 Aug 2020
▪ Beneficiary:	Gobierno de Brasil
▪ Executing Agency:	INTER-AMERICAN DEVELOPMENT BANK
▪ IDB funding requested:	US\$600,000.00
▪ Local counterpart funding:	US\$0.00
▪ Disbursement period:	36 months
▪ Types of consultants:	Individuals; Firms
▪ Prepared by Unit:	SCL/LMK - Labor Markets
▪ Unit of Disbursement Responsibility:	CSC/CBR - Country Office Brazil
▪ TC included in Country Strategy (y/n):	No
▪ TC included in CPD (y/n):	No
▪ Alignment to the Update to the Institutional Strategy 2010-2020:	Social inclusion and equality ; Productivity and innovation

### II. Objective and Justification

- 2.1 The objective of this Technical Cooperation (TC) is to jointly develop a pilot project with the Secretariat for Economic Development in the state of São Paulo (SDE-SP), which optimizes matching between young people with labor-market relevant skills and digital industries.
- 2.2 The TC will expand the Bank's technical support to new areas. The pilot can serve as example for a certified, modular and labor-market-oriented approach towards the implementation of the new HS reform in Brazil, that can be scalable to other regions or countries, but can also be flexibly adapted to include further occupational profiles. It allows for the direct integration of private sector actors in the definition of required skills and the training of officially certified modules, which is a crucial step towards labor-market responsive TVET systems. Lastly, the development of student profiles and matching algorithms will be accompanied by the development of protocols to ensure an ethical use of technology.

### III. Description of Activities and Outputs

- 3.1 **Component I: Student profiling tool.** . This component will finance the development of a methodology to identify the students' behavioral profiles, identify and validate their skills profiles using administrative data from the Secretariat of Education and include students' preferences, which they will enter via a survey
- 3.2 **Component II: Pathway recommendation portal..** This component will finance the development of a machine learning algorithm to map the students' profiles to the digital occupational profile benchmarks.
- 3.3 **Component III: Students' connection with the demands of the productive sector..** This component will finance actions to bring the education system closer to the demands of the productive sector. Workshops with private companies in the technological sector will be promoted to identify sector-based skill needs, periodically throughout the execution of the project.
- 3.4 **Component IV: Others.** Unforeseen costs

#### IV. Budget

Indicative Budget

Activity/Component	IDB/Fund Funding	Counterpart Funding	Total Funding
Student profiling tool.	US\$28,000.00	US\$0.00	US\$28,000.00
Pathway recommendation portal.	US\$460,000.00	US\$0.00	US\$460,000.00
Students' connection with the demands of the productive sector.	US\$102,000.00	US\$0.00	US\$102,000.00
Others	US\$10,000.00	US\$0.00	US\$10,000.00
<b>Total</b>	<b>US\$600,000.00</b>	<b>US\$0.00</b>	<b>US\$600,000.00</b>

#### V. Executing Agency and Execution Structure

- 5.1 The IDB, through SCL/LMK and SCL/EDU, will execute this TC, due to LMK's and EDU's expertise in the field of labor markets and vocational training and the synergies between the divisions' operations. As requested by the Government of the state of São Paulo - Brazil, the IDB will be the executing agency of this TC. Disbursement will be tasked to the Brazil Country Office (CSC/CBR). The IDB will maintain a close and constant dialogue with SDE-SP through all stages of execution.
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#### VI. Project Risks and Issues

- 6.1 The risks in executing the TC and achieving its objectives are threefold: (i) unforeseen adjustments to the project design due to the volatility caused by the COVID-19 pandemic, (ii) unforeseen changes in the implementation of the HS reform associated with the TC intervention, (iii) lack of certified recognition of modular content developed by private sector. Measures to mitigate such risks are considered by the IDB and will be outlined in the next steps of the TC project cycle.

#### VII. Environmental and Social Classification

7.1 The ESG classification for this operation is "undefined".