

# Strengthening knowledge and capacities to support climate change actions in LAC (D1454)

## Description:

This Technical Cooperation (TC) aims to improve critical knowledge and capacities/skill gaps to support and accelerate actions to address climate change challenges in LAC. It will be delivered through Massive Online Open Courses (MOOCs). The specific objectives are to: (i) implement new MOOC to address the learning needs of stakeholders in the Region on climate change (ii) use existing MOOCs as a tool to strengthen the understanding of and action on climate change challenges, and to identify new actions to support the execution of the existing and new portfolio of operations in light of the region's interest in building climate-resilient and low carbon development pathways.

## Submitted by:

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## Submitted on:

Nov 29 2022

## Status:

Under Evaluation

## Category:

Research and Dissemination

## Tags:

#institutionalcapacity #mooc #skills capacity building climate change paris agreement

## Team Leader Name

Andrea Leonelli

## Has the proposal been discussed and authorized by the responsible sector or country department/division, as applicable?

Yes

## Team Leader Responsible Department

KIC

## Are there specific countries that will directly benefit from your proposal?

No

## Mark the specific countries that will be directly benefited from your proposal?

Where applicable, describe how the proposal aligns with the respective country strategy (for each country selected)

## Does the proposal align to one or more sector frameworks?

Yes, the proposal aligns with at least one sector framework

## Identify and describe how the proposal aligns to the sector framework(s)

This project aims to support the Bank's commitments to climate change and environmental sustainability, included as one of the IDB Group's three cross-cutting issues, and to support LAC countries to meet the goals under the Paris Agreement, SDGs, and the Sendai Framework for Disaster Risk Reduction.

This TC aligns with the Climate Change Sector Framework document (GN-2835-8), in particular with the dimensions of supporting countries so that they have (i) institutions that integrate the national objectives and commitments towards climate-resilient and low carbon development; (ii) access to climate finance and effectiveness of its use; (iii) knowledge to effectively support a just transition to a low-carbon, climate-resilient economy; (iv) advances in the incorporation of climate considerations in all sectors; and (vi) national systems which articulate disaster risk management and climate change adaptation and with its IDB Group Climate Change Action Plan 2021–2025.

Furthermore, this TC aligns with the Disaster Risk Management Policy (GN-2345-3), which emphasizes a proactive risk reduction approach before disasters occur.

## Select the regional challenges and cross-cutting issues to which the proposal aligns to

Climate Change and Environmental Sustainability

Institutional Capacity and Rule of Law

## Justify the alignment to each selection above

The current operation is consistent with the Second Update to the Institutional Strategy (AB-3190-2) and with the Corporate Results Framework 2020-2023 (GN-2727-12) by strengthening the country members' operational work in the cross-cutting issues of climate change and environmental sustainability, as well as the area of institutional capacity building.

Climate change is a critical challenge for sustainable development in the Region. LAC needs to transition to net zero emissions before the end of the century to fulfill international Climate change objectives and commitments, including those of the Paris Agreement.

Sustainable Infrastructure is now recognized as an essential foundation to achieve inclusive and sustainable growth, deliver on Sustainable Development Goals (SDGs), and meet the targets of the Paris Agreement of the United Nations Framework Convention on Climate Change. Infrastructure project choices will be a significant driver of future emissions; identifying a range of possible impacts of climate change and considering them in infrastructure planning and design is an essential part of increasing resilience.

Going forward, countries' pathways to enable the implementation of effective climate change actions, infrastructure choices and disaster risk management, and climate change adaptation and resilience depend on individual country circumstances and capabilities.

To meet this ambitious agenda, LAC countries will need to strengthen their institutional, technical, and financial capacities at an unprecedented scale to develop effective climate change national policies, plans, and projects. They will also need to build capacity on how to identify climate change opportunities in infrastructure projects and available climate funds. Applying risk management assessment methodology at the project level and closing the knowledge and capacities gaps to drive these actions will be critical to delivering sustainable development.

IDB's MOOCs and SPOCs have proven to be very useful in developing LAC capacities and skills through actionable knowledge produced by the IDB Group. Since 2014, the IDBx Program has worked diligently to connect learning with institutional capacity-building outcomes, producing 70 MOOCs and 13 SPOCs, and offering more than 100 editions a year through edX and Coursera online platforms, reaching more than 2 million learners, mainly from IDB borrower member countries. More than 130,000 participants have already benefited and completed their course with a passing grade.

IDB's MOOCs focusing on cutting-edge knowledge in climate change topics have attracted interest in the region. Together, these MOOCs had more than 112,000 participants enrolled, 53,000 had participated in some of the modules and 4,500 had completed their course with a passing grade. 47% of the participants were from the public sector, 28% from the private sector, 7% from academia and the rest of the 12% were from NGOs and MDBs.

With this TC, the IDBx Program will offer, through our MOOCs and SPOCs, technical and actionable knowledge, and skills to support the necessary capacity building required to ensure stockholders understand the uncertainties of climate change and better support climate change actions and projects to deliver sustainable development in the Latin America and the Caribbean (LAC) region.

#### What is the estimated funding that you need in order to implement this proposal?

300000

#### Select the expected outputs of this proposal

Institutional Strengthening Deliverables (Training products, Management Information Systems, etc.)

Knowledge Products

Please provide a brief description of the output(s) selected above (The number of units planned, and the estimated cost). If you selected others, please specify.

Product	Unit of measure	2023	2024	EOP 2024	
Training products developed (MOOCs and SPOCs) *	Products	1	1	2	175,000
Training products improved (MOOCs and SPOCs reruns)*	Products	3	3	6	30,000
Awareness campaigns implemented**	Campaigns	6	6	12	30,000
Surveys conducted	Surveys	6	6	12	5,000
Individuals Trained	Students	1500	1500	3000	
Local ministries beneficiated	Institutions	2	2	4	60,000
					300,000

\* New courses will be developed in partnership with CSD, based on the learning needs assessment analysis in relation to Climate change actions needed to meet the goals under the Paris Agreement, SDGs, and the Sendai Framework for Disaster Risk Reduction. Specific topics shall be defined by CSD based on institutional priorities.

\*\* Part of these campaigns will be focused on disseminating courses on existing courses already developed in collaboration with CSD specialists, such as: Sustainable Infrastructure, Disaster Risk Analysis for investments in critical infrastructure projects, Agricultural policy, Food security and climate change, Climate Change Education.

**Outcomes: If the outputs are delivered successfully, what is the change expected (in capacity, knowledge, behavior, etc.)**

**a. Improve knowledge and skills of Government officials and technical professionals in LAC to strengthen the upstream policy and institutional framework to integrate climate action in their policies, projects, and to deliver national commitments:** Government officials and technical professionals in LAC will be offered tailored knowledge, tools and technical know-how needed to identify and respond to climate change challenges and investments to effectively support the transition toward a climate-resilient and low-carbon economy; promote a green sustainable national climate plans and policies; to support the transition toward a climate-resilient and low-carbon economy effectively and mobilize private finance to deliver national commitments. The aim is for the MOOCs on climate change to support the upstream level dialogue that the IDB normally undertakes with line ministries as a way to influence the quality and type of projects that countries present to the Bank.

**b. Improve awareness of Government officials and technical professionals in LAC to support the design, implement and finance infrastructure sustainable projects:** Government officials and technical professionals in LAC will receive training on how to identify climate change actions opportunities in infrastructure projects, identify available climate funds, and apply risk management assessment methodology at the project level to deliver sustainable development.

(1) **Attachments**

kic-cds.PNG

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0 Comments