

REGIONAL

RG-T3193 - Supporting the Design of Long-Term Decarbonization Strategies

Building Capacity to Model Long-Term Decarbonized Development Strategies in Latin America and the Caribbean

TERMS OF REFERENCE

1. Background and Justification

- 1.1. This technical cooperation (TC) focuses on prospective modelling of decarbonization pathways in Latin America and the Caribbean (LAC). To assess and design decarbonization pathways, countries can utilize models that explicitly incorporate technologies (such as power generation), physical quantities (such as hectares of deforested land), and resulting greenhouse gas emissions. Developing holistic plans that consider important trade-offs across sectors and incorporate local development priorities requires models capable of capturing interlinkages between sectors of the economy.
- 1.2. This TC seeks to transfer knowledge of complex climate models to think tanks and academics in LAC, to tailor these models to the local context, and to foster a regional community of researchers employing these types of models to inform policy debates. This will improve the capacity of the countries in LAC to rely on independent, domestic evaluations of their National Determined Contributions (NDCs) as and Long-Term decarbonization Strategies (LTS) part of the Paris Climate Agreement.
- 1.3. Under the Deep Decarbonization Pathways in Latin America and the Caribbean project (DDPLAC), four technical teams (from Argentina, Costa Rica, Colombia and Ecuador) were already selected to participate in this project. The firm IDDRI has been hired to provide technical and administrative coordination of the project, including the subcontracting of the four technical teams.
- 1.4. The objective of this assignment is to expand the scope of the existing contract with IDDRI: to include one more technical team in the project, and to produce a new paper on lessons learned from the project for NDC strengthening in LAC.

2. Objectives

- 2.1. One objective of this assignment is to increase the pool of available models and modelers in LAC, by including one new team in the existing DDPLAC project. The existing DDPLAC project has the following specific objectives: (i) provide support and training to teams of researchers in LAC in the use of new models, relying on best practices drawn by more advanced teams of researchers; (ii) demonstrate these models to local policymakers with an emphasis on a specific policy question of local importance; (iii) develop long-term decarbonization pathways that can inform a transparent public debate on NDC planning; and (iv) develop a collaborative community of climate policy modelers in LAC capable of continually developing their expertise.
- 2.2. The other objective of this assignment is to produce a new paper on lessons learned from the DDPLAC project for NDC strengthening in LAC, in particular concerning alignment of current NDCs with the temperature targets of the Paris Agreement, and how countries could strengthen NDCs while improving development outcomes.

3. Key Activities

- 3.1. First, identify and select one trainee/trainer teams:
 - a. The new team would typically have been involved in previous projects of modeling to inform climate policies (e.g., MAPS, DDPP, Clima-LAMP), have the capacity to assess some aspects of emission reduction strategies, and routinely engage with one part of the government (e.g. energy or environment ministry), but struggle with other aspects relevant for local policymaking (for instance macroeconomic impacts of emission reduction pathways). When such trainee teams with trainer teams can be matched that have experience and technical capacity to fill those gaps, the trainee/trainer team will be selected to participate in the project.
- 3.2. Then the trainees/trainers team will prepare a work program and implement it:
 - a. Identification of a work program per trained team, including research question(s) which answer(s) will improve stakeholder engagement in the country and that facilitate local ownership of the models to be developed; identification of key relationships to be modeled, Identification and location of necessary data, development of a human resources plan; and stakeholder engagement plan.
 - b. Organization of workshops for the transfer of technical capacity from trainer teams to trainee teams.
 - c. Building of national models able to answer the identified policy question(s) while producing decarbonization pathways, and production of technical notes describing models built, data gathered, technical challenges and workaround.
 - d. Production of policy brief answering the national research questions (including discussion of data, methods, limitations, and further research).
 - e. Production of decarbonization pathways and publication in working papers (including analysis of relevant published literature and contribution to it, methods, data, limitations, research avenues, and policy conclusions).
 - f. Presentation of those results to local stakeholders.
- 3.3. Finally, facilitate a dialogue between all the teams taking part in DDPLAC and then synthesize lessons learned for NDC strengthening in the region contribute to their dissemination:
 - a. Compare approaches and decarbonization pathways across teams (including by framing and animating discussions before, during and after the regional workshops, and providing a common ground to teams for result comparison and discussion).
 - b. Distill lessons learned for modelling and policymaking, including through the production and publication of an academic-grade working paper.

4. Project Schedule, Deliverables and Payment

- 4.1. Payments will be processed upon delivery and approval by the IDB of the following deliverables from the technical and administrative coordinator:
 - a. Signature of contract, for 10% of the total value of the contract.
 - b. Draft report on lessons learned for NDC strengthening in LAC, for 25%
 - c. Final version of this report (i2), for 20%.

- 4.2. Payments will also be processed at the reception of the following deliverables produced by the new trainee/trainer team and presented by IDDRI to the IDB:
 - a. Detailed work plans of the selected team, for 15%
 - b. Draft reports describing model built, data used, stakeholder engagement, national research questions, analysis contributing to answering them, policy and research conclusions, and decarbonization pathways (d1,e1,f1), for 15%
 - c. Final version of this report (d2,e2,f2), for 15%
- 4.3. The deliverables should be submitted as pdf documents in English and/or csv tables. This project will be coordinated by Adrien Vogt-Schilb (CSD/CCS), who will accept and approve of all deliverables and give comments or instructions for changes. It is IDDRI's responsibility to ensure that deliverables are submitted to the Bank.

5. Qualifications

- 5.1. The requirements to make this project successful include a proven ability to encourage the emergence of a collaborative cross-country community of researchers utilizing prospective models to investigate long-run decarbonization pathways and their effects on national economies.

RG-T3193 - Supporting the Design of Long-Term Decarbonization Strategies

Designing, executing and communicating simulations of distributional impacts of green fiscal reforms and compensation policies

TERMS OF REFERENCE

1. Background

- 1.1 Established in 1959, the Inter-American Development Bank (“IDB” or “Bank”) is the main source of financing for economic, social and institutional development in Latin America and the Caribbean. It provides loans, grants, guarantees, policy advice and technical assistance to the public and private sectors of its borrowing countries.
- 1.2 In light of the 2015 Paris Agreement and the establishment of the Sustainable Development Goals, the Climate Change Division partners with stakeholders within the IDB Group and across Latin America and the Caribbean to mobilize resources, generate and disseminate knowledge, and help build institutions to achieve low carbon and climate-resilient development.
- 1.3 To achieve this mission, CSD/CCS has developed a strategic work force plan to implement its Action Plan 2017-2019, based on the creation of four strategic pillars: Mainstreaming climate change, climate finance, Climate institutions and strategy and resource planning, the Climate Change division will.
- 1.4 Carbon prices (and more generally energy subsidy reform and other environmental taxes) are increasingly advocated as a means to modernize fiscal regimes and tackle environmental challenges (Coady et al., 2016). Taking into account political economy considerations will be critical in making such reforms successful. Indeed, even if they improve national welfare, increasing carbon prices (by increasing taxes or reducing subsidies) can adversely affect poor and middle-class households facing higher energy and food prices (Fay et al., 2015; Vogt-Schilb and Hallegatte, 2017; Withana, 2016). Compensating vulnerable households may be an objective per se for the government. In addition, potential losers, if not anticipated and managed by environmental policy packages, may have the political power to oppose or even veto the reforms – especially since the winners from environmental reforms, for example, remote, unaware or future households benefiting from less climate change, are diffuse and less organized (Olson, 1977; Trebilcock, 2014).
- 1.5 The Bank is preparing a study to quantify options to manage the distributional impact of green fiscal reforms and seeks to hire a firm to assist in that task.

2. Consultancy objective(s)

- 2.1 The overall objective of the study is to inform the policy debate on energy price increases, energy taxes, green fiscal reforms, and income distribution evaluating the distributional impacts of green fiscal reforms and options for governments to correct those impacts.
- 2.2 The Bank is seeking a contractual to assist with this effort.

3. Main activities

- 3.1 The consultant will identify relevant data sources and apply new and proven methods from academic and grey literature to assess how government spending in social protection and other goods can be used to manage the distributional impacts of

energy price hikes. He will be proactive in identifying literature and knowledge gaps and propose, pilot, and report about new approaches to fill these gaps.

- 3.2 The consultant will identify and propose input output tables and energy balance tables from borrowing countries of the IDB that can be used to assess the impact of green fiscal reforms on the price of goods and services using Input-Output Analysis. IDB staff will validate the choice of tables to use.
- 3.3 The consultant will identify and propose in kind and in cash measures available to governments to recycle parts of the proceeds of green fiscal reforms to compensate poor and vulnerable household groups. IDB staff will validate the choice of compensation measures to model.
- 3.4 The consultant will identify and propose income and consumption surveys from borrowing countries of the IDB that can be used to assess the impact of price hikes on goods and services and the impact of compensation measures on household income. IDB staff will validate the choice of surveys to use.
- 3.5 The consultant will then write code able to compute the impact of green fiscal reforms and compensation mechanisms on households real income, using the data selected in the previous steps.
- 3.6 The consultant will prepare and deliver PowerPoint presentations that synthesize methods and results to internal and external audiences and draft and edit written reports tailored at academic, policy, and general audiences.
- 3.7 The consultant will report biweekly by email or phone to Adrien Vogt-Schilb, Climate Change Economist.

4. Reports / Deliverables

- 4.1 Draft report analyzing distributional impact of green fiscal reforms and options to manage them in the region.
- 4.2 Final report analyzing distributional impact of green fiscal reforms and options to manage them in the region.

5. Payment Schedule

- 5.1 10% when the contract is signed
- 5.2 40% upon delivery and acceptance of draft report
- 5.3 50% upon delivery and acceptance of final report.

6. Qualifications

- PhD degree in economics, climate, energy or environmental science with at least 8 years of experience in designing and executing modeling for academic and/or policy audiences.
- Excellency in data analysis and data visualization using script languages such as R/Stata/Matlab, with a strong preference for self-starting ability in Python.
- Experience with Input-Output modelling
- Languages: Fluency in English is required, Spanish is appreciated

- Excellent oral and written communication skills with a proven track record of publications in both top scientific journals and wide audience outlets.
- Areas of Expertise: climate change, economics, decarbonization pathways, data analysis, public policy.

REGIONAL

RG-T3193 - Supporting the Design of Long-Term Decarbonization Strategies

Estimating Macroeconomic and Labor Impacts of Phasing Out Coal Power Plants

TERMS OF REFERENCE

1. Background and Justification

- 1.1. Established in 1959, the Inter-American Development Bank (“IDB” or “Bank”) is the main source of financing for economic, social and institutional development in Latin America and the Caribbean. It provides loans, grants, guarantees, policy advice and technical assistance to the public and private sectors of its borrowing countries
- 1.2. In light of the 2015 Paris Agreement and the establishment of the Sustainable Development Goals, the Climate Change Division partners with stakeholders within the IDB Group and across Latin America and the Caribbean to mobilize resources, generate and disseminate knowledge, and help build institutions to achieve low-carbon and climate-resilient development.
- 1.3. To achieve this mission, CSD/CCS has developed a strategic work force plan to implement its Action Plan 2017-2019, based on the creation of four strategic pillars: Mainstreaming climate change, climate finance, Climate institutions and strategy and resource planning, the Climate Change division will.
- 1.4. Taking into account political economy considerations will be critical in making climate mitigation reforms successful. Indeed, even if they improve national welfare, a transition to zero net emissions can adversely affect workers from the fossil fuel industry (Fay et al., 2015; ILO, 2018; Vogt-Schilb and Hallegatte, 2017; Withana, 2016). Compensating vulnerable households may be an objective per se for the government. In addition, potential losers, if not anticipated and managed by environmental policy packages, may have the political power to oppose or even veto the reforms – especially since the winners from environmental reforms, for example, remote, unaware or future households benefiting from less climate change, are diffuse and less organized (Olson, 1977; Trebilcock, 2014).
- 1.5. The Bank is preparing a study to help countries in Latin America and the Caribbean anticipate and manage the distributional impact of the transition to zero emissions and seeks to hire a modelling and climate policy expert to assist in that task.

2. Objectives

- 2.1. The overall objective of the study is to inform the policy debate on the phase out of coal power, by evaluating their macroeconomic and labor impacts and options for governments to manage those impacts.

3. Scope of Services

- 3.1. The consultant will identify relevant data sources and apply new and proven methods from academic and grey literature to assess the macroeconomic and labor impact of phasing down coal power plants.

4. Key Activities

- 4.1. The consultant will use a computable general equilibrium (CGE) to simulate the impact of phasing down coal power plants on a set of macroeconomic variables that will include: economic output, consumption, carbon emissions, trade balance,

investment, intermediary consumption, and employment of labor at the national and sector levels.

- 4.2. The consultant will compare his results to those obtained with a simpler input-output (IO) analysis.
- 4.3. The consultant will consider at least three different temporal schedules for phasing out coal power.
- 4.4. The consultant will be proactive in identifying literature, knowledge, and data gaps and propose, pilot, and report about new approaches to fill these gaps.
- 4.5. The consultant will prepare short written notes that synthesize methods and results to internal and external audiences.
- 4.6. The consultant will coordinate proactively with IDB staff and other consultants hired by the IDB; and report weekly by email or phone to Adrien Vogt-Schilb, Climate Change Economist.

5. Expected Outcome and Deliverables

- 5.1. Draft report of macroeconomic and labor impact of phasing down coal power.
- 5.2. Final report of macroeconomic and labor impact of phasing down coal power.

6. Project Schedule and Milestones

- 6.1. 10% when the contract is signed
- 6.2. 40% upon delivery and acceptance of draft report
- 6.3. 50% upon delivery and acceptance of final report.

7. Reporting Requirements

- 7.1. The consultant will prepare reports in English language and deliver them in Microsoft Word .docx format; and will deliver the numerical results of the presentation in the Microsoft Excel .xlsx format.

8. Acceptance Criteria

- 8.1. The acceptance of all deliverables is at the discretion of Adrien Vogt-Schilb, Climate Change economist in the climate change division, or Raul Delgado, Lead Climate Change Specialist.

9. Other Requirements

- 9.1. (Bank policy GN-2765-1 does not allow the procurement of goods and related services except when such goods and related services are necessary to achieve the objectives of the Bank-executed Operational Work and are included in the consulting services contract and represent less than ten percent (10%) of the consulting services contract value.) If it is determined that acquisition of goods is necessary by the consulting firm, please add a very detailed technical specification of the minimum requirement of said goods.

10. Supervision and Reporting

- 10.1. The consulting firm will be reporting weekly to Adrien Vogt-Schilb, Climate Change Economist (CSD/CCS) (e-mail: avogtschilb@iadb.org – +1 202 623 25 64) who will give comments to any reports, approve reports, documents, work, and give comments or any instructions for changes. It shall be Firm's responsibility for

ensuring that such meetings are conducted, and such reports are submitted to the Bank.

11. Schedule of Payments

Payment Schedule	
Deliverable	%
1. Upon contract signature	10%
2. Upon presentation of the Draft report of macroeconomic and labor impact of phasing down coal power in Chile	40%
3. Upon presentation of the Final report of macroeconomic and labor impact of phasing down coal power in Chile.	50%
Total	100%

Colombia

RG-T3193 - Supporting the Design of Long-term Decarbonization Strategies

Experts Advisory Services for the Assessment of Options to Decarbonize the Transport Sector under Technological Uncertainty

Terms of Reference

1. Background and Justification

- 1.1. Colombian authorities have requested analytical inputs to inform the formulation of their long-term low greenhouse gas emission development strategy (Long Term Strategy-LTS) mandated by the Paris Agreement in accordance of Article 4, paragraph 19¹. This LTS will be formulated by the Ministry of Environment with inputs from other ministries and DNP. It will incorporate NDCs and SDGs goals.
- 1.2. In this context, the authorities have expressed interest in analyzing the cost, benefits and contribution to decarbonization and development goals of different possible short-term sectoral emissions targets in the transportation sectors. The Government requests expert technical assistance and input to this process, as described below.

2. Objectives

- 2.1. The objective of this consulting assignment is to shed light on the respective roles that battery electric vehicles, hydrogen vehicles, and biofuels could play in the decarbonization of the public and private transport sectors. The risk of carbon lock-in, irreversible investments, and the exposure of Colombia to variations in the cost of specific technologies are all important issues to consider.

3. Scope of Services

- 3.1. The consultants will use numerical models to explore a wide range of prospective scenarios of decarbonization of the transportation sector, and assess the role that battery, hydrogen, and biofuel technologies can play in those scenarios. The design of experiment, analysis of the simulations, and adjustment of the simulation plans are all the responsibility of the consultant.
- 3.2. The simulations will consider the different role that batteries, hydrogen and biofuel can play in different segments of the public and private transportation of passengers and freight, and whether they can contribute to reaching zero net emissions or come with a risk of carbon lock in.
- 3.3. The consultant will consider the alignment of short-term investments needed to enable those technologies with the goal of reaching full decarbonization of the transport sector by 2050 to 2085. For that goal they will pay particular attention to the lifetime of vehicles, charging or refueling infrastructure, and other upstream investments needed to enable and operate those technologies.
- 3.4. The consultant will consider relevant uncertainties surrounding the evaluation of those technological choices, including the cost of technologies, enabling infrastructure, and long-term energy prices. They will also consider the multi-dimensional aspect of technology evaluation in the context of a national decarbonization strategies, including for instance impact on GHG emissions,

¹ The COP, by its decision 1/CP 21, paragraph 35, invited Parties to communicate to the secretariat, by 2020, their mid-century, long-term low greenhouse gas emission development strategies in accordance with Article 4, paragraph 19, of the Agreement.

alignment with zero-net emissions, but also as much as possible fiscal impacts, impacts on local jobs, etc.

- 3.5. The consultant will participate in meetings with local stakeholders convened by the government, to present work program, ongoing progress, and results; hear about relevant uncertainties and metrics for success to include in the analysis and adjust the work program accordingly.
- 3.6. The consultant will derive robust findings from the analysis of the simulations, a review of the relevant literature, and consultations with different stakeholders, and communicate them to the IDB and local authorities.
- 3.7. The consulting requirements needed to make this project successful are a team with:
(i) Advanced academic degree in the field of economics, environmental sciences, engineering, and/or social sciences; with at least 5 years of relevant professional experience in high-level advisory services in economic, engineering and environmental matters; (ii) Extensive experience with the design, implementation and evaluation of prospective modelling; (iii) Demonstrated experience using robust decision making techniques to inform long-term investment decisions (iv) Demonstrated capacity to work with a variety of stakeholders, both political and technical; (v) Sound knowledge on Costa Rica's climate and development policy. Previous experience working with/in Costa Rica, particularly in relation to climate change, energy and transport analysis; (vi) Ability to present technical concepts clearly to both technical and non-technical experts; (vii) Experience in performing contracts for government authorities and international organizations; and (viii) Fluency in Spanish and English.

4. Key Activities

- 4.1. Problem scoping, in partnership with IDB and Colombia authorities, listing metrics to evaluate the success of a transport decarbonization strategy; technology and socioeconomic uncertainties to be considered; and technology policy options for the government of Colombia to pursue.
- 4.2. Simulations of an energy prospective model to explore the outcome of different technologies (battery, hydrogen, and biofuel vehicles) under various conditions and according to several metrics, as decided under the precedent activity.
- 4.3. Participation to meetings convened by the Colombia authorities to present results using presentation material and to gather feedback and inputs.
- 4.4. Drafting of a research report in English for technical audiences (in a format consistent with future publication in an academic journal), and summary for policy makers in Spanish.

5. Expected Outcome and Deliverables

- 5.1. The expected deliverables for this consultancy are:
 - a. **Product 1:** Initial work plan, reflecting activity 1
 - b. **Product 2:** Initial set of simulations for discussion of model capabilities
 - c. **Product 3:** Memo reflecting initial discussions with Costa Rican authorities and revised work plan
 - d. **Product 4:** Draft research report
 - e. **Product 5:** Draft summary for policy makers

- f. **Product 6:** Final research report
- g. **Product 7:** Summary for policy makers

6. Project Schedule and Milestones

- 6.1. The resulting contract will be a lump-sum contract with a duration of one year. Payments will be made with the approval of IDB, as follows:
- a. **Product 1:** 2 weeks after signature of the contract.
 - b. **Product 2:** 2 months after signature of the contract.
 - c. **Product 3:** 2 months after signature of the contract.
 - d. **Product 4:** 8 months after signature of the contract.
 - e. **Product 5:** 9 months after signature of the contract.
 - f. **Product 6:** 12 months after signature of the contract.
 - g. **Product 7:** 12 months after signature of the contract.

7. Reporting Requirements

- 7.1. All reports should be presented in digital version, preferably in word, or as needed by the IDB.

8. Acceptance Criteria

- 8.1. Payments will be authorized upon Bank acceptance of TORs-specified products. The Bank will have up-to two weeks to provide written comments/recommendations to the reports submitted by the consulting firm. Unless previously determined otherwise, the Bank shall normally accept deliverables upon confirmation by the consulting firm of: (i) reception and further inclusion of comments/recommendations in a revised version and (ii) provision of date for submission of the revised versions of submitted deliverables. It is expected that the consulting firm will include these comments and recommendations presented by the Bank in a new version submitted to the Bank in no more than two weeks counted from the delivery of written comments by the Bank.

9. Supervision and Reporting

- 9.1. The climate change economist Adrien Vogt-Schilb (avogtschilb@iadb.org) will be the technical focal point for this consultancy and the person to authorize final work (deliverables) presented by the consulting firm. The IDB will work closely with the government of Colombia in reviewing and providing feedback to the products.

10. Schedule of Payments

- 10.1. The schedule of payment is as follow:
- a. 30% upon submission and approval of Product 1.
 - b. 30% upon submission and approval of Products 2 and 3
 - c. 20% upon submission and approval of Products 4 and 5
 - d. 20% upon submission and approval of Products 6 and 7.

Climate Policy Research Consultant

Terms of Reference

Background:

The Bank seeks a Climate policy post-doctoral research contractual to work in partnership with stakeholders across the IDB Group, Latin America and the Caribbean, and provide excellent technical support in designing, executing, procuring, monitoring and disseminating cutting-edge and relevant research to inform the design of effective and acceptable climate policies in the region.

The successful candidate will conduct a study on aligning power expansion plans with NDCs and the transition to zero-carbon electricity. The candidate will assess, at the country level, committed carbon emissions in existing power generation capacity and expansion plans (Pfeiffer et al., 2016), potential for stranded assets implied by the gap between expansion plans emission reduction objectives, and analyze options for government to manage this risk. The results of this study are expected to lead to academic publications and feed into high-level IDB reports for a broader audience.

Depending on progress made, availability of resources, and interest, further work over a total of up to three years in this position may cover topics such as managing the incidence of environmental policies on workers and consumers; supporting academic capacity building in LAC, and designing sustainable and robust infrastructure in the water, power generation, and transport sectors.

The team:

The international climate change agenda will require ambitious policy reforms. During the 21st conference of parties of the UNFCCC and through the resulting Paris Agreement, global leaders have pledged to make efforts to stabilize the increase in global temperature well below 2°C, and preferably below 1.5°C (United Nations, 2015). These targets require reaching zero net emissions of carbon dioxide and drastically reduce emissions of other greenhouse gases before the end of the century (Fay et al., 2015; IPCC, 2014). Policymakers in Latin America and the Caribbean (LAC) need to design NDCs and climate policies taking into account both the need for rapid and profound changes to decarbonize their economies in time, and the importance of political economy considerations in making reforms successful (Vogt-Schilb and Hallegatte, 2017).

Even if short-term action leads to significant emission reductions, it is likely to be off-track if it misses key sectors of the economy: those, like public transportation or land use, which are more difficult to decarbonize because low-carbon alternatives are expensive and/or take long to deploy (del Rio Gonzalez, 2008; Vogt-Schilb et al., 2018). To monitor NDC ambition and implementation in a meaningful way the most advanced countries have relied on long-term decarbonization pathways and sectoral roadmaps (Bataille et al., 2016; Elizondo et al., 2017; IEA, 2015). However, this information is still very partial or entirely lacking for many LAC countries.

On the other hand, emission reduction policies have substantial potential to create concentrated groups losers, which may have the political power to block reforms (Trebilcock, 2014): poor and middle-class households facing higher energy and food prices due to energy subsidy removal or carbon pricing; energy-intensive and trade-exposed companies losing competitiveness due to environmental regulations; powerful lobbyist and workers opposing the phase down of coal-based energy. There is value in informing climate policies with analysis of their impact on those groups, and propose

options to avoid or mitigate them, and more generally align emission reduction policies with development goals.

What you'll do:

You will work on a range of activities supporting the generation and dissemination of knowledge product, namely:

- Design and implement of models, data gathering, analysis and simulations.
- Draft and edit academic grade papers for specialized audiences.
- Actively stay informed of advances in academia and grey literature relevant to climate policy and analysis.
- Draft and edit for general audiences.
- Participate in general administrative tasks and due diligence of the team.

Skills you'll need:

Education: Masters or equivalent (PhD preferred) with at least 5 years of relevant professional experience, or the equivalent combination of post-graduate education and experience in the fields of Economics, Finance, Engineering, Applied Science or Environmental Studies, or a related discipline.

Experience: Additionally, you should have at least 5 years of experience in modelling, research, policy analysis, energy, land use, and/or climate change. Knowledge of sector climate issues, climate change policy and institutions globally and in LAC, and/or transition to zero-carbon is appreciated.

Languages: Excellent command of English. Command of Spanish is desirable. Portuguese and French a plus.

Core and Technical Competencies: (i) strong data analysis (especially socioeconomic data) and/or modelling skills as reflected in previous work; (ii) excellent written communication skills; (iii) computer programming, especially scripting (e.g., Python) skills; (iv) a demonstrated interest in emission-reduction policy; (v) ability and desire to collaborate with a team of researchers; and (vi) remote sensing, spatial data, and geographic information systems is appreciated but not required.

Opportunity Summary:

Type of contract: Consultant.

Length of contract: Twelve months (the position is expandable to three years based on performance)

Location: IDB Headquarters, Washington D.C., U.S.A.

Requirements: You must be a citizen of one of the IDB's member countries and have no family members currently working at the IDB Group.

Our culture: Working with us you will be surrounded by a diverse group of people who have years of experience in all types of development fields, including transportation, health, gender and diversity, communications and much more.

About us: At the Inter-American Development Bank, we're devoted to improving lives. Since 1959, we've been a leading source of long-term financing for economic, social, and institutional development in Latin America and the Caribbean. We do more than lending though. We partner with our 48 member-countries to provide Latin America and the

Caribbean with cutting-edge research about relevant development issues, policy advice to inform their decisions, and technical assistance to improve on the planning and execution of projects. For this, we need people who not only have the right skills, but also are passionate about improving lives.

Payment and Conditions: Compensation will be determined in accordance with Bank's policies and procedures. The Bank, pursuant to applicable policies, may contribute toward travel and moving expenses. In addition, candidates must be citizens of an IDB member country.

Visa and Work Permit: The Bank, pursuant to applicable policies, may submit a visa request to the applicable immigration authorities; however, the granting of the visa is at the discretion of the immigration authorities. Notwithstanding, it is the responsibility of the candidate to obtain the necessary visa or work permits required by the authorities of the country(ies) in which the services will be rendered to the Bank. If a candidate cannot obtain a visa or work permit to render services to the Bank the contractual offer will be rescinded

Consanguinity: Pursuant to applicable Bank policy, candidates with relatives (including the fourth degree of consanguinity and the second degree of affinity, including spouse) working for the IDB, IDB Invest, or MIF as staff members or Complementary Workforce contractuels, will not be eligible to provide services for the Bank.

Diversity: The Bank is committed to diversity and inclusion and to providing equal opportunities to all candidates. We embrace diversity on the basis of gender, age, education, national origin, ethnic origin, race, disability, sexual orientation, and religion. We encourage women, Afro-descendants and persons of indigenous origins to apply.