

Regional workshop on “Tools and methodologies for modelling and assessing the impacts of the implementation of response measures” for Latin America and Caribbean region

20 – 22 April 2022

Organized by the UNFCCC secretariat, ILO, and UNDP
Hosted by the Government of Antigua and Barbuda

Sir John E St. Luce Conference Center
St. Johns, Antigua and Barbuda

Context/Background

The Conference of the Parties and the Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol (COP) at its twenty-fifth session, the Conference of the Parties and the Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol (CMP) at its fifteenth session, and the Conference of the Parties serving as the meeting of the Parties to the Paris Agreement (CMA) at its second session agreed on workplan of the forum on impacts of the implementation of response measure (the forum) and its Katowice Committee on the Impacts of the Implementation of Response Measures (KCI).

As part of this work plan, the Parties agreed to hold a regional workshop for activity no.3 titled “Facilitate the development, enhancement, customization and use of tools and methodologies for modelling and assessing the impacts of the implementation of response measures, including identifying and reviewing existing tools and approaches in data-poor environments, in consultation with technical experts, practitioners and other relevant stakeholders”.

In addition, the COP at its twenty-sixth session, the CMP at its sixteenth session, and the CMA at its third session, specifically mandated that the secretariat organize this workshop prior to the fifty-sixth sessions of the subsidiary bodies which will take place in June 2022.

Objectives

In line with the mandate, the workshop aims to address regional needs to facilitate the use of tools and methodologies to undertake assessment and analysis of impacts of implementation of mitigation actions by countries in the LAC region and SIDS.

Agenda

Time	Activity/Panel
DAY 1 – 20 April 2022	
	Registration
	Opening Remarks <i>Moderated by Angelique Pouponneau, AOSIS</i>
10:00-10:30	1. Marianne Karlsen (Chair of SBI) and Tosi Mpanu Mpanu (Chair of SBSTA) 2. Kusum Lata (Team Leader, UNFCCC) 3. Moustapha Kamal Gueye (Coordinator of Green Jobs Programme, ILO) 4. Valerie Cliff (Resident Representative UNDP Barbados and the Eastern Caribbean, UNDP) 5. Incoming COP Presidency, delivered by Wael Farag Basyouny Kamel Keshk 6. Mrs. Ena Henry (Permanent Secretary for the Ministry of Health Wellness and the Environment of Antigua and Barbuda)
10:30 – 10:45	Tea/coffee break and group picture
10:45-11:15	Setting the scene: The role of evidence-based policy making in planning ambitious mitigation actions in Latin America and Caribbean <i>This session aims to present the circumstances of Latin America and the Caribbean region and relevance-why mitigation policies formulation and implementation be informed by assessments undertaken using qualitative and quantitative tools and methodologies.</i> <i>Moderated by Kusum Lata, UNFCCC</i> <u>Speaker:</u> Kirsten Svenja Wiebe, SINTEF – <i>Quantifying Labour Impacts of Decarbonization Strategies (virtual participation)</i> Q&A
11.15-12.00	Session 1: Impacts of the implementation of response measures, an economic and social perspective and the policy-research interface

	<i>This session aims to introduce the work on impacts of implementation of response measures under the convention and enhancing understanding of participants on the correlation between impacts and policy implementation</i> <i>Moderated by Wael Farag Basyouny Kamel Keshk, KCI member</i> <u>Speakers:</u> 1. Kusum Lata, UNFCCC – <i>Introduction to impacts of implementation of response measures</i> 2. Catherine Goldberg, Co-Chair of KCI – <i>Policies and potential social, economic and environmental impacts (based on KCI paper on capacity building) (virtual participation)</i> Q&A
12:00-13:00	Session 2: Policy responses to address impacts of the implementation of mitigation policies <i>This session briefly discusses how policies are being planned to facilitate just transition and/or economic diversification.</i> <i>Moderated by Mohammed Albarrak, Ministry of Energy, Saudi Arabia</i> <u>Speakers:</u> 1. Kishan Kumarsingh, Trinidad and Tobago – <i>Managing the Energy Transition in Trinidad and Tobago – Setting the Policy Framework (virtual participation)</i> 2. Riad Sultan, ILO/University Mauritius – <i>Assessing Labour Market Outcomes of Climate Policies – ILO Green Jobs Assessment Model (GJAM) (virtual participation)</i> 3. Peter Govindasamy, Singapore – <i>Singapore's Energy Transition - Perspectives of a small island city state</i> <u>Guiding questions:</u> - <i>Which policies are adopted to facilitate just transition and economic diversification?</i> - <i>What were key considerations during these climate policy formulation and implementation?</i> - <i>What kind of methodology was used for the policy planning and implementation?</i> - <i>What challenges were faced during policy formulation/implementation particularly relating to being informed by qualitative or quantitative assessments?</i>

	- <i>Were there any stakeholder consultations or national dialogue or platforms established as part of the process for implementation of those climate policies?</i> Q&A
13:00-14:00	Lunch Break
14:00 – 15:30	Interactive session: Facilitated dialogue among participants <i>Moderated by Sangji Lee, UNDP</i> Guiding questions to understand regional needs to use tools and methodologies and policy responses to address (negative) impacts of climate policies: 1. <i>What mitigation climate policies does your county have?</i> 2. <i>What tools or methods were used for assessment of impacts of the policy assessment during planning or implementation?</i> 3. <i>What actors were involved in the assessment and application of tools and methodologies?</i> 4. <i>What are the economic and social impacts of policies in your country in response to those climate policies?</i> 5. <i>Were there any stakeholder consultations or national dialogue or platforms established as part of the process for implementation of those climate policies?</i>
15:30-15:45	Tea/coffee break
15:45-17:00	Session 3: Process aspects of using tools and methodologies for policies planning; and Session 4: Existing tools and methodologies for assessment and analysis – Strengths and weaknesses <i>This session will: (i) Present how the scientific tools and methodologies can be used for policy planning both just transition policies and economic diversification policies which are informed by assessment of impacts of implementation of mitigation actions; (ii) Provide overview of qualitative and quantitative tools and methodologies along with their strengths and weaknesses.</i> <i>Moderated by Carolina Ferreira, ILO</i> <u>Speakers:</u> 1. Sangji Lee, UNDP – <i>Process aspects of using tools and methodologies for policies planning</i>

	2. Catherine Goldberg, Co-Chair of KCI – <i>KCI’s technical paper on tools and methods and its accompanying database (virtual participation)</i> Q&A
DAY 2 – 21 April 2022	
09:30-10:15	Session 5: Regional studies using tools and methodologies for assessment on impacts of response measures <i>This session aims at sharing studies which have been undertaken at regional level to understand impacts of climate policies. The presenter will also share the tools and methodologies used for the assessment study.</i> <i>Moderated by Robert Brecha, Climate Analytics</i> <u>Speakers:</u> 1. Kirsten Svenja Wiebe, SINTEF – <i>Quantifying Labour Impacts of Decarbonization Strategies – model theory and application (virtual participation)</i> 2. Camila Gramkow, CEPAL – <i>Scenarios for a new development pattern in Latin America and the Caribbean (virtual participation)</i> Q&A
10:15-11:15	Session 6: Country Case Studies using qualitative methodologies for assessment on impacts of response measures <i>This session aims at sharing studies which have been undertaken at country level to understand impacts of climate policies. The presenter will also share the tools and methodologies used for the assessment study, including data-poor environment.</i> <i>Moderated by Carolina Ferreira, ILO</i> <u>Speakers:</u> 1. Braulio Torres – <i>Colombia: Green and Just Recovery Policy Assessment Colombia (virtual participation)</i> 2. Joaquin Etorena Hormaeche – <i>Labour impact evaluation of climate change policies towards NDCs – The case of Argentina (virtual participation)</i> 3. Joaquim Bento de Souza Ferreira Filho – <i>Green jobs in Brazil: an input-output analysis (virtual participation)</i>

	Q&A <i>Guiding questions:</i> <i>This session plans to focus on qualitative methods or use of tools where studies were undertaken in data poor environment.</i> - <i>What was the purpose of the assessment? Which policy /strategy was assessed?</i> - <i>What was the reason being choosing the tool or methodology?</i> - <i>What kind of challenges were encountered for assessment in particular related to data and how was the challenge managed?</i> - <i>What were results of study and What policy recommendations were made by the study?</i> - <i>How were these results used in policy planning and/or implementation?</i> - <i>Any lessons-learnt/ good practice which you would like to share with the audiences to undertake qualitative assessment of policy or in data poor environment?</i>
11:15-11:30	Tea/coffee break
11:30-12:30	Interactive session
12:30-13:30	Lunch break
13:30-14:30	Session 7: How Small Island States have used quantitative methodologies for assessment on impacts of response measures? – Country case studies <i>This session aims at sharing experiences on using quantitative methodologies for assessment on impacts of climate policies in SIDS</i> <i>Moderated by Peter Govindasamy, Co-Chair of KCI</i> <u>Speakers:</u> 1. Robert Brecha, Climate Analytics – <i>Antigua and Barbuda: NDC Revision and Just Transition Jobs Analysis</i>) 2. Riad Sultan, ILO/University Mauritius – <i>Modelling Green Jobs and Low Carbon Development in Mauritius: The Green Jobs Assessment Model For Designing Better and Sustainable Recovery and Climate Policies (virtual participation)</i> Q&A <i>Guiding questions:</i> <i>This session focus on quantitative policy impact assessment studies undertaken in SIDS.</i> - <i>What was the purpose of the assessment? Which policy /strategy was assessed?</i>

	- Was there any particular consideration taken into account to plan the assessment or policy planning, in particular from SIDS perspective? - Which tool was used for the study and why? - What were results of study and what policy recommendations were made by the study? - How were these results used in policy planning and/or implementation? - Is there any lessons-learnt/ good practice which you would like to share with the audiences to undertake similar assessment, in particular for SIDS?
14:30-15:15	Interactive session (continuation)
15:15-15:30	Tea/coffee break
15:30-16:30	Session 8: Support and cooperation for undertaking assessments <i>This session aims at discussing what support and cooperation available to assist countries in their assessments</i> <i>Moderated by Angelique Pouponneau, AOSIS</i> <u>Speakers:</u> 1. Sangji Lee, UNDP – <i>From Pledge to Impact: Scaling Up UNDP's Climate Promise</i> 2. Carolina Ferreira, ILO – <i>Supporting Green Jobs assessments Latin America and the Caribbean</i> Q&A
DAY 3 – 22 April 2022	
09:30-10:00	Session 8: Support and cooperation for undertaking assessments (continuation from Day 2) <i>Moderated by Angelique Pouponneau, AOSIS</i> <u>Speakers:</u> 1. Nia Hunjan and Andrzej Blachowicz, Climate Strategies – <i>South-to-South Cooperation on Just Transitions (virtual participation)</i> 2. Annela Anger-Kraavi – <i>Just Transitions in the EU (virtual participation)</i> Q&A
10:00-11:30	Session 9: Country Case Studies using quantitative methodologies for assessment on impacts of response measures in Latin America

	<i>This session aims at sharing experiences on using quantitative methodologies for assessment on impacts of climate policies</i> <i>Moderated by Sangji Lee, UNDP</i> <u>Speakers:</u> 1. Rosa Ana Gonzalez – <i>M3E Model adapted to waste sector in Ecuador (Modelling Mitigation Measures)</i> 2. Hector Osorio, Ministry of Energy – <i>Net-zero by 2050: Road to carbon neutrality in Chile (virtual participation)</i> 3. Irene Wasilevsky – <i>Determinants and cost-benefit analysis for the implementation, differentiated by production stratum, for the NAMA of the Livestock Sector in Paraguay (virtual participation)</i> Q&A <i>Guiding questions:</i> <i>This session focus on quantitative policy impact assessment studies undertaken in Latin America.</i> - <i>What was the purpose of the assessment? Which policy /strategy was assessed?</i> - <i>Was there any particular consideration taken into account to plan the assessment or policy planning, in particular from Latin America perspective?</i> - <i>Which tool was used for the study and why?</i> - <i>What were results of study and What policy recommendations were made by the study?</i> - <i>How were these results used in policy planning and/or implementation?</i> - <i>Is there any lessons-learnt/ good practice which you would like to share with the audiences to undertake similar assessment, in particular for Latin America?</i>
11:30-12:30	Interactive session – Feedback or key messages from participants on the workshop
12:30	Closing of workshop

Short biography of speakers

Name of speaker	Short biography
Andrzej Blachowicz	Andrzej joined Climate Strategies in 2012 and since then has led its development into a world leading research-policy network. Most impactful initiatives convened during Andrzej's time include: research and dialogue on global coal, oil & gas transitions; implementing Just Transitions in developing countries; Global Climate Policy Conferences; industrial innovation; making trade more climate friendly; shifting climate policy frontier in CEE region in transport and buildings. Prior to Climate Strategies, Andrzej served as a Cabinet member and adviser on climate change to the Polish Minister of Environment during the Polish EU Presidency; was a senior member of various Polish delegations in the UNFCCC and European policy processes (while at the Polish National Centre for Emission Management KASHUE-KOBiZE), ran the Brussels office of the Center for Clean Air Policy and co-developed carbon business at HVB Bank in Germany. Andrzej is a Marshall Memorial Fellow of the German Marshall Fund and a fellow of the US Department of State. He holds a master degree in environmental management from the University of Warsaw and also completed the international courses at the UN University in Tokyo.
Annela Anger-Kraavi	Annela Anger-Kraavi has close to 20 years of experience in climate change policy and economics as well as in international climate negotiations. She holds a PhD in Climate Change Economics and MPhil in Environmental Policy from the University of Cambridge, UK. Annela is the outgoing Co-Chair of KCI, an EU negotiator to the UNFCCC since 2009, founder of the UNFCCC Women Leaders Network, Vice-Chair of the Climate Policy Advisors of the World Meteorological Organisation's (WMO) Climate Coordination Panel and recent Vice-Chair of the UNFCCC Subsidiary Body for Scientific and Technological Advice (SBSTA). She is also a Member of the Club of Rome's Estonian Association. Annela loves sailing and practicing upright bass and is the mother of two children.
Braulio Torres	Braulio supports the work on green jobs and just transition agenda of the International Labour Organization. He recently elaborated the Rapid Situational Analysis (RSA) on Green Jobs for Cuba and Colombia. Likewise, he designed and taught a 6-week course on Just Transition and Green Jobs for the Government of Colombia, to bring together the goals of the 2020 NDC with the national recovery goals. He has supported projects related to child

	labour, waste management, and energy transition in Mexico, as well as training programs in collaboration with the International Training Center of the ILO. Braulio also serves as senior advisor of Monitoring, Evaluation, and Learning at Nuup, a Mexican agriculture organization which has a focus on the sustainability of food systems. Previously he was the Director of the Monitoring, Evaluation and Learning Practice in a strategy and policy consulting firm based in Mexico City (C-230 Consultores). Prior to that, he served as the Mexico Country Director for Innovations for Poverty Action. Braulio holds a master's degree in public policy from the University of Chicago (2010); and was a 2017-18 mid-career SPURS Research Fellow in the Department of Urban Studies and Planning at MIT.
Camila Gramkow	Camila Gramkow has a PhD in Climate Change Economics from the University of East Anglia, UK. She has a master's degree in economics from the Federal University of Rio de Janeiro. Before that, she graduated as an Economist from the University of São Paulo (USP). She has published more than 25 technical articles in the area of sustainable development. She has more than 10 years of professional experience in the area of sustainable development, having worked in academia, the third sector, consulting and international cooperation. She worked on dozens of technical cooperation projects, mainly in low-carbon economics, economic instruments for climate change mitigation, and green fiscal policy, in partnership with several Brazilian government ministries and agencies, international organizations, and civil society entities. She is currently the Economic Affairs Officer of the Brazil Office of the United Nations Economic Commission for Latin America and the Caribbean (ECLAC), where she leads the work on the Big Push for Sustainability.
Carolina Ferreira	Carolina Ferreira is the Green Jobs Specialist for Latin America and the Caribbean, providing technical support for the promotion of green jobs and a just transition to environmental sustainability in the region. Previously, she has worked at the global level with the Green Jobs team in the ILO headquarters and has served as an environmental sustainability officer at the ILO, where she was responsible for coordinating the organization's internal efforts to green its operations. Carolina Ferreira has previous experience in tax consulting for large corporations in various sectors in Brazil. She holds a PhD in International Relations/Political Science from the Graduate Institute of International and Development Studies (Switzerland), with specialization in global environmental governance, climate change and forests.

Catherine Goldberg	Catherine Goldberg has worked on climate policy at the U.S. Department of State since fall 2016. She has been the U.S. response measures negotiator since 2020 and was recently elected as one of the co-chairs of the KCI. Alongside her UNFCCC responsibilities, Catherine also covers climate issues in the G7 and G20, and manages the South and Central Asia bilateral portfolio. Catherine has a B.S. in geology from Boston College and a Masters in Public Policy from the University of Maryland.
Hector Osorio	Héctor Osorio is a Climate Finance specialist working in the UNDP in Chile, with more than 5 years of experience in the energy sector. Over the last 3 years Héctor has been working to assess the impact that mitigation policies and energy measures could have on the Chilean economy, aswell as defining the financial requirements of these measures. He is also training employees of the Ministry of Energy and the Ministry of Finance in the use of a Computable General Equilibrium (CGE) model that would help them assess the economic impact of policies, both energy associated, and non-energy associated. I have been working with the Ministry of Finance in Chile and they are interested in attending the conference (virtually), so they asked me if there is going to be a link or if they have to register in order to watch the presentations, or if this is only going to be a non-virtual conference.
Irene Wasilevsky	Economist, graduated from the University de Buenos Aires. Master in Finance, graduated from the Torcuato Di Tella University. Consultant for international organizations on issues related to capital markets, entrepreneurial finance, and sustainable development. Currently is consultant for UNEP FI in sustainable finance in Paraguay and external consultant in Fundación Avina in sustainable finance direction. Former National Supply Chain and Mining Infrastructure Director in Argentina. Former Coordinator of Forest Carbon Partnership Facility in Argentina. Former Coordinator of National Native Forest Protection Fund. Former Head of Capital Markets Development and SMEs in Buenos Aires Stock Exchange. Coordinator and Professor of various Training Programs in Finance, Capital Markets, Sustainable Development, Climate Finance.

Joaquim Bento de Souza Ferreira Filho	Bachelor's degree in Agronomy from the University of São Paulo (1977), master's degree in Science (Applied Economics) from the University of São Paulo (1988) and doctorate in Economics from the University of São Paulo (1995). Post-doctoral fellow at the Centre of Policy Studies - COPS, at Monash University, Melbourne, Australia, 2002. Currently a senior professor at the School of Agriculture "Luiz de Queiroz" -ESALQ, at the University of São Paulo - USP. Professor and advisor at the master and doctoral levels of the Graduate Program in Applied Economics of ESALQ/USP. Research lines have focused on Agricultural and Natural Resource Economics, working mainly on the following topics: land use change, Brazilian agriculture, computable general equilibrium models, regional analysis, input-output models, social accounting matrices, and green jobs in Brazil.
Joaquin Etorena Hormaeche	Mr. Etorena has a Master's degree in Social Communication, Political Economy and Geography from the University of Muenster, Germany. Born in 1977 in Montevideo, Uruguay, he grew up in Germany and since 2005 has worked in Argentina, first in a GIZ regional project for the Gran Chaco Americano, dedicated to regional integration for Sustainable Development and with a strong component of strengthening supply chains. of value and, as of 2007, as CIM Expert in the Argentine National Focal Point of the UNCCD, with the mission of fostering synergies between the strategies of the UNCCD and the UNFCCC. For the Secretary of Environment and Social Development of the Nation, under implementation of the World Bank, he has been General Coordinator of a United Nations Adaptation Fund Project, taking into account the creation of green jobs in the restoration sector of degraded productive rural environments. Within this framework, job placement programs have been developed in conjunction with the Ministry of Social Development, as well as a disaster management system for droughts. Joaquin Etorena is currently the National Coordinator of the UN PAGE Program, an alliance of five United Nations agencies (UNDP, UNIDO, UN Environment, UNITAR, with the ILO as the lead agency in the country) with the aim of promoting the just transition towards a Green Economy, with the National Focal Points Ministry of Production and Labor as well as Environment and Sustainable Development.
Kirsten Svenja Wiebe	MSc (2006) Econometrics and Operations Research, Maastricht University PhD (2012) Economics and Policy Studies of Technological Change, United Nations University MERIT Competence and research areas The analysis of sustainability aspects of the global transition to a green economy is at the core of Kirsten's research. She is an expert in global and national macro-econometric input-output modelling, an elected member of the



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	Council of the International Input-Output Association, and a member of the Editorial Board of the journal "Economic Systems Research". Previously she has been working at NTNU's Industrial Ecology Programme, at the OECD in the Trade in Value Added initiative, and at the Institute of Economic Structures Research in Germany. She holds a PhD from UNU-MERIT in Maastricht for her thesis "Quantitative assessment of sustainable development and growth in Sub-Saharan Africa". Her work was a major contribution to the ILO's "World Employment Social Outlook 2018: Greening with jobs" and the Inter-American Development Bank's 2020 report "Jobs in a net-zero emissions future in Latin America and the Caribbean". Her research continues to provide background information for UNFCCC's work on climate change response measures, esp. regarding impacts on global sustainability and cross-border effects, and the UNDP's NDC partnership.
Kishan Kumarsingh	Kishan has been the lead Trinidad and Tobago climate change negotiator for the past 24 years and has held various leadership positions internationally including Chair of the Expert Group on Technology Transfer, and Chair of the Subsidiary Body on Scientific and Technological Advice to the United Nations Framework Convention on Climate Change, Co-Chair of the Ad Hoc Working Group on the Durban Platform , which is the body charged with negotiating the Paris Agreement (2013-14), during which he was able to table and adopt the decision on the Nationally Determined Contributions or NDCs which now form the bedrock of the Paris Agreement. Currently he is the co-chair of the ad hoc work programme on the new collective quantified goal on climate finance. He was also the lead negotiator for Trinidad and Tobago on the Escazu Agreement on Access to Information, Public Participation and Justice in Environmental Matters in Latin America and the Caribbean in which he played a leadership role in fostering consensus and facilitating adoption of that Agreement. Nationally, he is Head of Multilateral Environmental Agreements at the Ministry of Planning and Development and is overall lead on coordinating climate action and international reporting on various Multilateral Environmental Agreements (MEAs), and advising on climate policy. He was the climate change advisor to the Minister of Environment and Prime Minister of Trinidad and Tobago in 2009 at the Commonwealth Heads of Government meeting and the 15th Conference of the Parties to the United Nations Framework Convention on Climate Change in Copenhagen.

	To date he has led the development of the National Climate Change Policy, the Nationally Determined Contribution under the Paris Agreement and its Financial and Implementation Plan, and various other climate-related projects, and is chairing a Cabinet-appointed Technical Committee to coordinate the implementation of the NDC. He has chaired many Cabinet committees on various environmental issues.
Kusum Lata	Kusum Lata is a professional in the field of climate change working on policies, strategies, capacity building. Presently, she is a well-known expert on economic diversification and just transition of workforce while she leads the support to international negotiations on the impact of the mitigation policies. She has written technical papers for international negotiations, research papers in reputed journals and chapters in books on renewable energy. She spent first fifteen years of her career working in India on developing technology for bio-methanation (waste to energy) and biomass gasification and shares two patents through her research. She completed her doctorate in the field of waste to energy. She enjoys working on projects which directly impact the life of people especially in developing countries, which inspired her to work in Togo, Africa to support development and implementation of GHG mitigation projects.
Nia Hunjan	Nia is a Programme Associate at Climate Strategies, leading the pioneering South-to-South Just Transition project which explores novel approaches to just transition in the Global South. Before joining Climate Strategies in 2021, Nia completed an MSc in Carbon Management from the University of Edinburgh. Here her research focus was on power structures and knowledge production in the climate debate, in particular barriers to participation faced by marginalised groups.
Peter Govindasamy	Govindasamy is the Director of the Climate Change International Team in the Singapore Ministry of Trade and Industry (MTI). He is concurrently the Chief Negotiator for the Pacific Alliance-Singapore Free Trade Agreement (PASFTA), and the Dean of the MTI Academy. As a member of the Singapore's delegation to the United Nations Framework Convention on Climate Change (UNFCCC) since 2008, Peter has participated in 13 Conference of the Parties (COP) and has held various facilitation roles. He is currently serving as the co-chair of the Katowice Committee of Experts on the Impacts of the Implementation of Response Measures (KCI) since 2019. He had most recently co-facilitated the Ministerial Decision on the Impacts of Implementation of Response Measures during COP26 in Glasgow. Peter has also had extensive experience in international trade having served as the chief negotiator of various Singapore FTAs and investment treaties, and as the lead services, investment and rules negotiator. As Director of



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	MTI's International Trade Cluster (2009 to 2019), he oversaw Singapore's engagement at the WTO – principally the trade policy review of Singapore and the WTO Ministerial conferences – and concluded Investment Guarantee Agreements (IGA) with Iran, and Colombia, as well as FTA negotiations with the Gulf Cooperation Council. In addition, he chaired the ASEAN-India FTA (services) negotiations. Most recently, as the Chief Negotiator for PASFTA, following more than 4 years of negotiations, he facilitated the conclusion of the PASFTA, which was signed by Pacific Alliance and Singapore Trade Ministers on 26 Jan 2022. During his two stints in Geneva, as First Secretary (1995-98) and Counsellor (2003-09) at the Singapore Permanent Mission to the United Nations, Peter also contributed to the WTO process in his capacity as the Vice-Chairman of the WTO Committee on Import Licensing Measures in 2005 and 2006, and as the chair of the WTO negotiations on Domestic Regulations in Services from 2005 to 2009. Most notably, the draft text which he had circulated then, had served as a basis for the recently concluded WTO Joint Statement Initiative on Services Domestic Regulation in Dec 2021. Prior to joining MTI, Peter had served in the Singapore Ministry of Foreign Affairs (MFA). At MFA, he handled matters pertaining to the European Union, and multilateral issues relating to the United Nations (UN), International Atomic Energy Agency (IAEA), International Labour Organisation (ILO), World Health Organisation (WHO), World Intellectual Property organisation (WIPO) and the World Trade Organisation (WTO).
Riad Sultan	Riad Sultan is currently a member of the academic staff at the University of Mauritius and has been associated with the Green Jobs Assessment Network (GAIN) from the ILO since its creation. He holds a PhD in economics with specialisation in environment management from the University of Cape Town, South Africa. He has conducted studies on energy modelling and forecasting, cost-benefit analysis of renewable energy system, ecosystem valuation and climate change economics. He has developed several economic frameworks for the analysis of environment and climate change, including bioethanol production, climate impact assessment, and bioeconomic modelling of marine ecosystem. He has also contributed to several studies on green economy modelling, green jobs assessment, and green skills for the International Labour Office, UNEP and UNITAR and was also involved with the African Peer Review Mechanism (APRM) report to the African Union for Mauritius since 2013. Dr Sultan was the former Research Executive of the National Economic and Social Council, Mauritius and has been involved with many environmental, social and economic studies for the Government of Mauritius for the period 2002-2010.

Robert Brecha	Dr. Robert (Bob) Brecha is a senior consultant for Climate Analytics with many years of experience in developing mitigation, energy system and modelling scenarios. His publications focus on climate change mitigation strategies, and energy needs for sustainable development. With Climate Analytics Dr. Brecha has worked at the interface of climate science and policy on various energy system modelling and NDC revision projects in Antigua and Barbuda, Saint Lucia, Grenada, Trinidad and Tobago, Burkina Faso, Ivory Coast and Ghana. Dr. Brecha is Professor of Sustainability and Director of the Sustainability Program at the University of Dayton in Ohio, USA, as well as a faculty member in the Renewable and Clean Energy Program and the Physics Department. He was a regular visiting scientist at the Potsdam Institute for Climate Impact Research (PIK) in Germany from 2006-2017 and has been affiliated with Climate Analytics since 2018.
Rosa Ana Gonzalez	She is a geographic and environmental engineer. She has a master's degree from the Tropical Agricultural Research and Higher Education Center of Costa Rica in Hydrologic and Water Management, and is certified in Climate Change Finance. She has been involved in Ecuador's climate change management since 2016, with the formulation of climate change projects for the prioritized sectors in the country, working at the national and sub-national levels with the local actors. She was involved in the formulation of the first NDC in Ecuador, its Implementation Plan, and the National Adaptation Plan formulation and is responsible for the green recovery strategy that has been built during the last year.
Sangji Lee	Sangji is a Climate Change and Green Economy Technical Specialist at the UNDP's Climate Strategies and Policy Team based in Headquarters. She provides support to countries in the formulation and implementation of their Nationally Determined Contributions (NDCs), while also leading the thematic support on just transition and green economy/recovery. In this role, she supports countries to understand the development co-benefits of climate action and provides tools for evidence-based policy-making and just transition. Before joining the team, Sangji worked with UNDP Mozambique, the UNDP Global Policy Centre in Seoul, the OHCHR Regional Office in Fiji, UN Department of Political Affairs in HQ, research institutes, and government.



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	As a Chevening Scholar, she earned a Master's of Science in Environment and Development from the London School of Economics. She is also a certified expert in environmental governance (Korean Ministry of Environment) and in climate and energy finance (Frankfurt School of Finance).
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