



Agenda Stakeholder Workshop: Decarbonization in Brazil and Latin America-
Opportunities and Challenges

Wednesday, March 29 14:30-19:15 BRT

Thursday, March 30 09:00-13:00 BRT

In-person meeting

Hotel Serrambi

Serrambi - Praia de Serrambi s/n, Ipojuca - PE, 55590-000, Brazil

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Agenda

Day 1: Wednesday, March 29, 2023

Time (in BRT) Agenda Items

- 13:15-14:30 **Lunch and Registration**
- 14:30-14:45 **Opening, welcome, and introductions**
Roberto Schaeffer (COPPE) and Bas van Ruijven (IIASA)
- 14:45-15:15 **Overview of Agenda and Check-In**
Ines Omann (Jaeger International)
- 15:15-15:30 **Introduction to ENGAGE Project**
Bas van Ruijven (IIASA)
- 15:30-16:00 **Achieving Net-Zero in Brazil and Latin America w/hot topics in Latin America**

Achieving Net-Zero in Brazil and Latin America
Roberto Schaeffer (COPPE)
- 16:00-16:20 **Break**
- 16:20-17:30 **Group Discussion on key questions raised by presentation/reporting back**

Discussion points including: the future of fossil fuels in Latin America (LA) in the context of climate mitigation, poverty alleviation in LA in the context of climate mitigation, economic development priorities in LA in the context of climate mitigation, climate mitigation, energy transition and R&D investments in LA
- 17:30-17:45 **Survey on Just Transition**
Elina Brutschin (IIASA)
- 17:45-18:00 **National Dashboards/Climate Solutions Explorer (Interactive Session)**
Ed Byers (IIASA)
- 18:00-18:45 **Moderated Poster Session**

Silvia Pianta (CMCC): The role of dietary change in climate mitigation



Elina Brutschin (IIASA): *Just Transitions to Net-Zero Carbon Emissions for All (JustTrans4ALL)*

Christoph Bertram (PIK)/Gerd Angelkorte (COPPE): *Game Changers in Latin America*

Fábio Teixeira Ferreira da Silva (COPPE): *Sectoral downscaling of an IAM for building a state decarbonization plan: the case of Pernambuco, Brazil*

Aleluia Reis Lara (CMCC): *The impact of the Glasgow commitments to the Paris climate agreement*

Pianpian Xiang (ERI): *Zero-Carbon Ammonia technology pathway analysis by IPAC-technology model in China*

Ana Carolina Oliveira Fiorini (COPPE): *New Economy for the Amazon*

18:45-19:15 **Discussion with decision makers**

Main take-aways from Day 1

19:15 **End of Session**

20:00 **Joint-Dinner**



Day 2: Thursday, March 30, 2023

Time (in BRT) Agenda Items

09:00-09:10	Opening, welcome, and introductions <i>Roberto Schaeffer (COPPE) and Bas van Ruijven (IIASA)</i>
09:10-09:30	Feedback from Poster Session/Check-In Discussion <i>Ines Omann (Jaeger International)</i>
09:30-10:00	Presentation on sub-national implementation of decarbonization pathways Decarbonization, short vs. long term, financial issues, cities, implementation, new economy for the Amazon; decarbonization plan for Pernambuco <i>Alexandre Szklo (COPPE)</i>
10:00-10:50	Panel Discussion on implementation at the sub-national level
10:50-11:05	Break
11:05-12:00	World Café discussion What are the implications of insights gained during the workshop for future research and capacity building?
12:00-12:30	Reporting back from the tables and discussion
12:30-12:50	Final wrap-up discussions (Check-out) <i>Ines Omann (Jaeger International)</i>
12:50-13:00	Close of the Meeting <i>Roberto Schaeffer (COPPE) and Bas van Ruijven (IIASA)</i>
13:00	Lunch



Lecturers

Name

Bio

Elina Brutschin



Elina Brutschin joined IIASA as a research scholar in 2019, and works with the IIASA Energy, Climate, and Environment (ECE) Program, with a research focus on bridging insights from the political economy and modeling studies of energy. In her most recent line of work she has focused on developing tools to evaluate feasibility of ambitious climate scenarios from different perspectives. In her past research she has for example, analyzed political drivers and constraints of investments in renewable energy, the role of international cooperation in the diffusion of nuclear energy and the conditions for a successful coordination of regional gas policies. Dr. Brutschin has published in journals such as Environmental Research Letters, Energy Policy and Energy Economics, and with publishers such as Oxford University Press and Palgrave.

Edward Byers



Edward Byers is a senior research scholar in the Integrated Assessment and Climate Change Research Group of the IIASA Energy, Climate and Environment (ECE) Program, with research interests in infrastructure systems, water and climate change risks, the water-energy nexus, and vulnerability. He joined IIASA in 2016, as an IIASA Postdoctoral Research Fellow associated with both the former Energy and Water programs. His research at IIASA is primarily on climate change impacts to the energy and water sectors using global impact, hydrological, and integrated assessment models. He also works on the emulation of climate risks and the representation of climate risks in integrated assessment modeling. In 2023, he will be the coordinator of a forthcoming European Commission Horizon Europe project on the socioeconomic risks of climate change in Europe.

Roberto Schaeffer



Roberto Schaeffer is Full Professor of Energy Economics at the Energy Planning Program of the Federal University of Rio de Janeiro (PPE/COPPE/UFRJ), Brazil. He holds a PhD in Energy Management and Policy from the University of Pennsylvania. His research interests include integrated assessment modeling of energy, land-use and climate change mitigation. Dr. Schaeffer has contributed to the Intergovernmental Panel on Climate Change (IPCC) in various roles over the past 25 years. Dr. Schaeffer has been Associate-Editor of "Energy-The International Journal" since 1998, and an elected member of the Brazilian Academy of Sciences since 2021. Dr. Schaeffer was recipient of the 2020 Integrated Assessment Modelling Consortium (IAMC) "Award for Extraordinary Contribution to the Field of IAM", and recipient of the 2022 Brazilian Centre of Foreign Relations (CEBRI) "Academic Award".

Alexandre Szklo



Alexandre Szklo is Full Professor of the Energy Planning Program at COPPE/UFRJ. He holds a DSc degree from COPPE/UFRJ. He is the author of numerous books and about 160 articles in scientific journals, and has supervised more than 150 doctoral theses and master's dissertations, in addition to final projects for undergraduate engineering courses. He twice won the Giulio Massarani Academic Merit Award, granted by the Luiz Alberto Coimbra Institute for Graduate Studies and Research in Engineering. In 2013, 2014 and 2015, he was also awarded with the Vale-CAPES prize for supervising dissertations or theses in the field of engineering, with a subject on global climate change. He twice won the Plínio Catanhede Award, granted by the Brazilian Institute of Oil and Gas (IBP). Since February 2021 he is the representative of the scientific community within CONCEPE (Advisory Council of the Energy Research Company).

Bas van Ruijven



Bas van Ruijven is group leader of the Sustainable Service Systems (S3) group in the Energy, Climate, and Environment (ECE) program at IIASA and co-chair of the International Committee On New Integrated Climate change assessment Scenarios (ICONICS). He holds an MSc in Environmental Science (2004) and a PhD in Energy Science (2008) from Utrecht University in the Netherlands. As part of the Horizon 2020 project ENGAGE, which is led by the IIASA ECE program, Dr. van Ruijven works on assessing the co-benefits and trade-offs of climate policies for other Sustainable Development Goals. Dr. van Ruijven's research interests cover a wide range of topics, from energy and technology scenarios to energy transitions in developing countries and the impacts of climate change.

Main moderation

Ines Omann



Ines Omann holds a master in environmental systems sciences and economics and a PhD in Ecological Economics. Since 1997 she is working as researcher in sustainability science at diverse institutions in national and international (mainly EU) projects, also in leading roles. Her research centers around the themes of sustainability transitions, climate change, quality of life research, scenario development, transdisciplinary research. Her main focus lies on transdisciplinary projects, in which she is responsible for stakeholder engagement, co-creating feasible, credible and legitimate results.

Since 2016 self-employed as facilitator and action researcher. Ines is trained in diverse moderation and facilitation methods: Her moderation background is the Art of Hosting – creating spaces for conversations that matter.

Jill Jäger



Jill Jäger is an independent scholar based in Vienna, Austria. She has a PhD in Climatology (1974) from the University of Colorado in Boulder, Colorado. In addition to contributing numerous scientific publications in books and scientific journals, she has participated in a range of research projects focusing on integrated sustainability assessment, vulnerability to climate change, and sustainability science. Currently she is a task leader in the ENGAGE project focusing on stakeholder engagement in dialogues at the national, regional and global levels.

LinkedIn Moderation

Moritz Kammerlander



Moritz Kammerlander is an environmental sociologist, mainly working as an Expert for Sustainable Mobility at the Energy Agency of Graz fostering local and national implementations. For the ENGAGE project, he supports Jill Jäger in the implementation of the stakeholder engagement process. In doing so, he expands his ten-year working experience in climate change research (e.g. sustainable mobility & consumption, envisioning, scenario development & integrated assessment, and of course stakeholder engagement).

Stakeholder Participants

Name

Bio

Samanta Della Bella



Biologist, graduated at the University of São Paulo - USP, with a master's degree at the Federal University of Pernambuco - UFPE, worked with Biodiversity Conservation, and in the management of Conservation Units at the State Agency for the Environment of Pernambuco and since 2019 serves as General Manager on Climate Change at the state Secretariat for the Environment, having coordinated the Pernambuco's Decarbonization Plan, and acting as secretary of the Technical Chamber on Climate of ABEMA - Brazilian Association of State Entities for the Environment.

Gabriel Blanco



Full-time professor and researcher at Centro de Tecnologías Ambientales y Energía (CTAE), Faculty of Engineering of Universidad Nacional del Centro (UNICEN), Argentina, in the areas of renewable energy, climate change and sustainability.

Professor in graduate programs in Argentina and abroad.

Advisor and consultant for national and international organizations. Member and participant of multiple multilateral projects and initiatives.

Former member of the Argentina's negotiation team and former chair of the Technology Executive Committee at the United Nations Convention on Climate Change (UNFCCC).

Author of book chapters, articles and national and international conferences on energy and climate change issues.

Former National Director of Climate Change of the Ministry of Environment and Sustainable Development, Argentina.

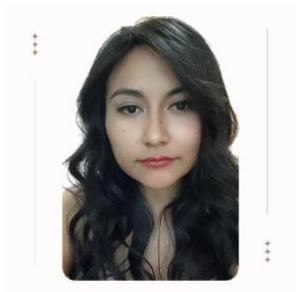
Coordinating lead author of IPCC 5th and 6th Assessment Reports.

Rayana Burgos



Rayana Burgos is a climate activist with practical and research experience on the relationship between youth, gender, race and climate (climate justice). She holds a Bachelor in Political Sciences from the Federal University of Pernambuco (UFPE). Burgos is a consultant at CLIMÁTICA, member of Fé no Clima and of the Youth Sounding Board of the European Union in Brazil, as well as a Youth Climate Leaders Fellow and a Climate Parent Fellow.

Diana Michelle Davila Ronquillo



Michelle Davila is from Ecuador and has been studying ecology and environmental science for a couple of years. She is very passionate about the concept and the implications of sustainable development and redefining the relationship between human development and nature. She completed her bachelor's in Ecology and Natural Management at Saint Petersburg State University, Russia and is currently studying for a Master's in Environmental Sciences, Policy, and Management at CEU and the University of Manchester. She is interested in the payment of ecosystem services, climate change adaptation, building resilience in vulnerable communities, and environmental justice. She firmly believes that we need to rethink how we approach environmental policies to get a more fair path toward decarbonization in Latin America.

Andrés Emilio Avila Akerberg



Andrés Ávila holds a PhD in Political and Social Sciences from the Faculty of Political and Social Sciences of Mexico's National University (UNAM) and a Master's Degree in International Relations with a speciality in Environment and Strategic Studies at the School of Advanced International Studies (SAIS) from the Johns Hopkins University.

Since 2014 he is Executive Director Política y Legislación Ambiental (POLEA), a Mexico City based civil society organization dedicated to promoting positive changes in the national and subnational political and legislative agendas on environmental and social issues. Among its achievements, POLEA has been able to develop processes that have led to the development and approval of climate and forest legislation at the national and subnational levels.

Doctor Avila has over twenty-five years of experience working on projects related to climate change, forests, renewable energies, energy efficiency, transport, water and environmental security. His professional trajectory highlights his work as Climate Change adviser at the Mexico-Denmark Program on Energy and Climate Change; Director of GLOBE Americas, Director of the Forestry Initiative of GLOBE Mexico and as a foreign policy advisor in the Senate of the Republic.

He is a professor on a course on Environment at the bachelor's degree of International Relations at the Faculty of Political and Social Sciences of UNAM and has more than 15 publications on topics such as water, climate change, national security and sustainable development.

Javier Enrique Martínez Cedeño



Javier Martinez coordinates the Decarbonization agenda as a climate change analyst in the Mitigation Department of the Climate Change Directorate of the Ministry of Environment Panama. He is an Environmental Engineer from the Universidad Tecnológica de Panamá, nominated expert to the UNFCCC by Panama, and former National GHG Inventory Coordinator.

Claudio Fabian Szlafsztain



Full professor at the Federal University of Pará (Brazil) – Center of Higher Amazon Studies. Geologist (Universidad de Buenos Aires, Argentina), Master in Environmental Sciences (University of Hokkaido, Japan), Doctor in Geography (Kiel University, Germany), and post-doctoral fellow at Pittsburgh University (USA). Areas of interest: vulnerability and adaptation to global and climate changes. Consultant on climate change and disasters of the international cooperation of Germany. UNFCCC nominated experts representing Brazil.

Jhonathan Godoy



Jhonathan Godoy is a young climate leader who studies climate change in the international arena. Currently coordinates the local HUB from Pernambuco vinculated to the Youth Climate Leaders and is graduating in Political Science and International Relations in the Federal University of Pernambuco.

Karla Godoy



Karla is a Master's graduate in Sustainable Development from the University of Minnesota, where she received the Fulbright scholarship. She also holds a Master's degree in Political Science from the Universidade Federal de Pernambuco. Karla has experience in sustainable development in both the private sector and the third sector through international work. Currently, Karla is serving as the Executive Secretary of Sustainability in Pernambuco.

**Enrique Gabriel Maurtua
Konstantinidis**



Enrique Maurtua Konstantinidis is a Climate Change specialist with almost 20 years of experience in national and international Climate Policy. He is currently the Coordinator of the Independent Global Stocktake for Latin America and the Caribbean. Since 2004 he has been actively involved in the United Nations Climate Change negotiations from a civil society perspective. He coordinates the G20 Group of Climate Action Network International (CAN) where he facilitates NGO positions from all over the world. He led the climate change advocacy work of FARN in Argentina for 7 years and was Regional Coordinator of Climate Action Network Latin America (CANLA). Enrique leads advocacy initiatives in Argentina and Latin America. He is a proficient speaker and trainer who regularly gives trainings on climate change and international negotiations.

Ana Luiza Ferreira



Ana Luiza Goncalves Ferreira is the Secretary of Environment, Sustainability and Fernando de Noronha. She holds a Master's degree in Public Administration with focus in Public Policy from the University of Georgia, which she received in 2009.

Thalia Hernandez Amezcua



Thalia is an environmental economist, committed to tackling climate change and its negative impacts. Throughout her career, she has developed studies that contribute to the creation of a sustainable low carbon economy. In the public service, as part of the Mexican National Institute of Ecology and Climate Change, she specialized in environmental and social impact assessment, environmental economic valuation and sectorial mitigation strategies. Thalia also has experience working as a consultant for different international development agencies and NGOs, developing strategies to reduce greenhouse gases in energy sectors and to plan an energy transition with a social equity approach. During her PhD in Environmental Studies, she designed and applied a new methodological approach to improve and broaden knowledge related to energy demand, by analysing the experience of drivers and users of ride-hailing services and their social and environmental impacts in Mexico City.

Giovani Machado



Giovani Machado is an economist who holds MSc and DSc degrees in Energy Planning at the Graduate School of Engineering in the Federal University of Rio de Janeiro (COPPE/UFRJ). Expertise in geopolitics and prices, gas infrastructure planning, energy forecast, biofuels supply and demand analysis, energy sustainable development, energy transition, energy planning, policy and regulation. He has worked for several institutions in the energy area: Lawrence Berkeley National Laboratory – LBNL (visiting scholar), Brazilian Oil, Gas and Biofuel Regulatory Agency – ANP (coordinator for strategic studies), Energy Planning Program at COPPE/UFRJ (Fellow Researcher and Professor), Getulio Vargas Foundation – FGV (professor and coordinator of the MBA in Energy Business). He has collaborated to the International Atomic Energy Agency – IAEA as an ad hoc international expert in energy sustainable development and energy modelling issues. In December 2006, he joined the Energy Research Office – EPE, holding various management positions at the Directory of Oil, Gas and Biofuels. Currently, he is the Director for Energy Economics and Environmental Studies in EPE. Also, he is author of several publications on energy issues and reviewer for international energy journals.

Inamara Melo



Master in Environmental Management (IFPE), she holds a bachelor's degree in Social Communication from the State University of Southwest Bahia (2004), with an MBA in Environmental Planning and Management and specialization in Gender and Women's Studies. She was Secretary for the Environment and Sustainability and General Manager for the Promotion of Citizenship for Women in the city of Recife. She held the position of Secretariat for the Environment and Sustainability of the State of Pernambuco and coordinated for three years the Technical Chamber of Climate of ABEMA, the Brazilian Association of State Entities for the Environment.

Thaís Pacheco Kasecker



Thaís Kasecker is a biologist, with master's degree and PhD in Ecology, with more than 15 years of experience in biodiversity conservation, natural resource use and sustainable development in Brazil and Latin America. Thaís is currently Technical Advisor in the Climate Change Policy Program - Pomuc at GIZ - Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH and Country Correspondent at EU Climate Dialogues Program, with a portfolio to strengthening the climate agenda and provide an entry point for local climate action in Brazil. Before coming to GIZ, Thaís worked for public sector as climate change superintendent of Rio de Janeiro State. She was also the Biodiversity and the Knowledge Management Manager at Conservation Brazil for more than 10 years, responsible for science and data analysis of all CI-Brasil projects, focused in the environmental, social and economic spheres that subsidize public policies in Brazil.

Other important collaborations were IPCC Sixth Assessment Report, Urban Climate Change Research Network, and she is also part of Columbia Women's Leadership Network in Brazil Program, that aims to develop a growing network of women who will contribute to the transformation in Brazil.

Alessandro Ribeiro Campos



Master degree in analysis and modeling of environmental systems by the Institute of Geosciences of the Federal University of Minas Gerais (UFMG) and PhD in progress in Production Engineering at the School of Engineering of the Federal University of Minas Gerais (UFMG). He worked in important projects to support the Brazilian government in the national decarbonization process, such as the Greenhouse Gas Mitigation Options project in Key Sectors in Brazil: Integrated Mitigation Scenarios for Brazil by 2050 (MCTIC/ONU Meio Ambiente/PNUMA/GEF, 2017). Currently is Coordinator of sustainability, energy and climate change in Fundação Estadual do Meio Ambiente, the environmental agency of Minas Gerais State Government. As coordinator, he led the government team in the elaboration of the Minas Gerais State Climate Action Plan (PLAC-MG), an important instrument with the planning of climate actions for the coming decades at the government level to achieve neutrality of net emissions of greenhouse gases in the state by 2050.

Márcio Rojas



Holds a bachelor's degree in Biological Sciences (2000), a master's degree in Molecular Biology (2002), a specialist degree in Bioethics (2005) and a doctorate in Bioethics (2011). He is currently an analyst in science and technology at the Ministry of Science, Technology and Innovations - MCTI (since 2003), where he is General Coordinator of Climate (since 2014), having been a member of the Ethics Committee (2007-2010 and 2013-2016). He was also a collaborator at the University of Brasília - UnB, acting in the Unesco Chair in Bioethics and in the Graduate Program in Bioethics, and was a member of the board of the Brazilian Society of Bioethics - SBB (first treasurer, 2011-2013 management). He participated in the international negotiation processes that resulted in the Universal Declaration on Bioethics and Human Rights of the United Nations Educational, Scientific and Cultural Organization (UNESCO) and the Paris Agreement under the United Nations Framework Convention on Climate Change (UNFCCC). He works as a manager in science, technology and innovation with a focus on global climate change.

Gregorio Saúl Pérez Arana



Agricultural Engineer graduated from the Faculty of Agronomy of the University of San Carlos de Guatemala, with specialization in Drought Agriculture, Rainwater Harvesting and Water Resources Management. 30 years of professional practice with experience in different branches of Agronomy, Technical Assistance and Community Organization, in the public, private and civil society sectors; working the last 13 years, in the Ministry of Environment and Natural Resources, addressing issues of Desertification, Land Degradation, Drought and Climate Change.

From January 2017 to date, serving as head of the Department of Climate Change Mitigation of the Ministry of Environment and Natural Resources, leading and coordinating projects for the reduction of greenhouse gas emissions - GHG - in Guatemala, in the 5 prioritized sectors: Energy, Transportation, LULUCF, Industrial Processes and Integrated Management of Waste and Solid Waste.

Ana Silvia Domínguez López



Ana Domínguez is the Chief Climate Mitigation Officer of the Government of the Republic of Panama and has worked on climate and sustainability reforms since 2006, when she began her career as a junior climate change and carbon markets analyst at the Ministry of Environment. Ms. Domínguez holds a Master's Degree in Energy and Environmental Management from the Technical University of Berlin and a Civil Engineering degree from at the Technical University of Panama. In 2022, she finalized a Fullbright Humphrey Fellowship Program specialized in Natural Resources, Environmental and Climate Change Policy at UC Davis.

Eva Marina Valencia Leñero



Eva is specialized in sustainability transitions for the water-food-energy and climate change sectors. She has an undergraduate degree in Law from the National Autonomous University of Mexico, and a master's degree in Environmental Sciences, Policy and Management from an Erasmus Mundus University Consortium with Central European University, Hungary and in Lund, Sweden. She is now the founder of Tricolor Coalition (Mexico City's Doughnut Economic Action Lab), and works as Scaling Coordinator of the International Maize and Wheat Improvement Center (CIMMYT) which is part of the Consortium of International Agriculture Centers (CGIAR). During the former she is working in developing aligned projects to inform, and collaborate in water and energy projects in Mexico City. In the latter, she is working in joint CGIAR Initiatives aimed at improving the agri-food systems for mitigation, and digitalization challenges in different countries around the world. She has worked in the public and social sectors at a global, national, and local levels including in the National Institute for Ecology and Climate Change, the Mexican Regulatory Commission, and the United Nations Economic Commission for Europe.

Eveline Vasquez Arroyo



Eveline works as Consultant for the Water and Sanitation Division of the Infrastructure and Energy Sector at the Inter-American Development Bank (IDB). She holds a bachelor's degree in Environmental and Natural Resources Engineering from the Callao National University (Peru) and an MSc. and DSc. degrees in Environmental and Energy Planning from the Graduate School of Engineering at the Federal University of Rio de Janeiro (COPPE/UFRJ), Brazil. She has experience working on water-energy-land use nexus and climate change through Integrated Assessment Models. Furthermore, she was a project coordinator on climate change mitigation and adaptation analysis for the water and energy securities and SDG implementation at CENERGIALAB. Finally, she was a consultant for UNDP, IPEA, ANA, and MCTI and was an Expert Reviewer for Group II and III of the AR6 IPCC Report.

Leta Vieira



Leta Vieira is the Technical Regional Manager at ICLEI South America. Architect and Urban Planner, specialist in Sustainable Business Management from the Universidade Federal Fluminense and in International Cooperation from Université de Montréal. She is currently pursuing a postgraduate degree in Agrarian Studies at the Universidade Federal de Pernambuco and a Master degree in Smart Cities at the Universidade Nove de Julho. With more than 10 years of experience working with climate policies, she previously worked for the City Hall of Recife, both at the Secretariat of Environment and Sustainability and at the Instituto da Cidade Pelópidas Silveira do Recife.

