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IEA World Energy Outlook
Special Report on Latin America 2023

High-level Expert Workshop

Santiago, Chile, 16-17 March 2023

Background

The ***World Energy Outlook (WEO)***, the International Energy Agency's (IEA) flagship publication, is considered the global standard for energy analysis and long-term, scenario-based projections for energy supply, demand, and investment. The *WEO-2023 series* will include **for the first time a Special Report on Latin America**, exploring the region's evolving energy needs and how to cost-effectively energise growing economies while meeting climate goals, all in light of the ongoing global energy crisis. It will also highlight what additional measures would be needed to fulfil all energy and climate pledges made by Latin American countries, including the Net Zero pledges made by Latin American governments, covering over half of the region's CO₂ emissions.

As part of the preparations for the report, the IEA is organising a high-level workshop that will bring together leading policymakers, industry representatives, experts and other stakeholders to discuss the challenges and opportunities in Latin American countries as they implement their energy and climate strategies. IEA Deputy Executive Director, Ms Mary Burce Warlick, will provide opening remarks alongside UN ECLAC Executive Secretary, Mr José Manuel Salazar-Xirinachs (tbc).

The main sessions will explore:

- Mapping Latin America's energy transition: turning pledges into action
- Towards people-centred clean energy transitions in Latin America: Drivers, opportunities & challenges
- Hydropower, bioenergy and unconventional renewables: tapping the potential and accelerating deployment
- Clean transport, sustainable cities and energy efficiency: scaling up clean energy solutions
- Attracting investment and optimising resources: opportunities in the clean energy transition

The proceedings of this workshop will help to frame the key areas of analysis for the *WEO-2023 Latin America Energy Outlook* Special Report. The meeting will be informal in nature and held under the Chatham House Rule. Each session will be introduced by invited experts and followed by an open discussion. The diplomatic representations of Latin American as well as IEA member countries in Chile will be invited to attend the opening session. Attendance is by invitation only.

Participation in the event is free of charge, but participants are expected to cover their own travel and accommodation costs. Remote participation will not be possible and the event will not be livestreamed. Interpretation will be available for Spanish and English.

The WEO-2023 Special Report on Latin America is made possible through the IEA [Clean Energy Transitions Programme](#).

Day 1: Thursday 16 March

UN ECLAC Headquarters, Av. Dag Hammarskjöld 3477, Vitacura, Santiago, Chile
Room Raúl Prebisch

9:30 – 13.15	<i>Technical sessions with energy systems modelling experts (by separate invitation)</i>
14h00	Registration
15h00	<p>Welcome remarks</p> <p>Mr José Manuel Salazar-Xirinachs, Executive Secretary, UN ECLAC Ms Mary Burce Warlick, Deputy Executive Director, IEA</p>
15h10	<p>Session 1 – Mapping Latin America’s energy transition: turning pledges into action</p> <p>The objective of this session is to take stock of the latest energy sector developments in the region, highlight the success stories and industry best practices that countries can learn from, and recognise the progress of the various key infrastructure developments in the region’s energy sector. This session aims to understand how countries aim to reach their net zero pledges and what key obstacles threaten this transition.</p> <p>Session chair: Mr Andrés Rebolledo, Executive Secretary, OLADE</p> <p>Special keynote address: Mr Dave Turk, Deputy Secretary of Energy, US, tbc</p> <p>Introductory interventions:</p> <ul style="list-style-type: none"> • Ms Jeannette Sánchez, Director of the Natural Resources Division, UN ECLAC • Mr Thiago Barral, Energy Planning and Transition Secretary, Ministry of Mines and Energy, Brazil, tbc <p>Open discussion</p> <ul style="list-style-type: none"> • What are the latest energy sector developments in various countries and subregions? • How have NDCs evolved since the first submission? • How do countries aim to reach their net zero pledges? • How does a global net zero world affect countries with different energy profiles, including fossil fuel producers? • What concrete obstacles exist to Net Zero pledge implementation?
16h30	Group photo - coffee break

<p>17h00</p>	<p>Session 2: Hydropower, bioenergy and variable renewables: tapping the potential and accelerating deployment</p> <p>Latin America is famous for its high share of renewables in the energy mix and renewable technical potentials are well understood. This session will focus on the key drivers and impediments of deployment across technologies, sectors and countries and seek to clarify realistic levels of future utilisation of technically feasible potentials of different technologies. The session will also seek to identify policy trends which may lead to particularly strong – or slow – deployment in individual countries or subregions.</p> <p>Chair: Ms Agnes da Costa, Director, ANEEL, Brazil</p> <p>Introductory interventions:</p> <ul style="list-style-type: none"> • Ms Maria Cecilia Garibotti, Undersecretary of Energy Planning, Argentina • Mr Juan Roberto Paredes, Senior Energy Specialist / RELAC Technical Secretary, Interamerican Development Bank (IDB) <p>Open discussion</p> <ul style="list-style-type: none"> • What are the key current and planned government policies which will determine the long-term deployment of renewables? • How much of the remaining hydropower potential can be sustainably tapped? How will climate change affect hydropower availability? • How much bioenergy production capacity can be developed sustainably? • What are the key drivers and impediments of variable renewable deployment in the region? • How can regional integration be enhanced in support of renewable energy deployment?
<p>18h30</p>	<p>End of day 1</p>

Day 2: Friday 17 March

UN ECLAC Headquarters, Av. Dag Hammarskjöld 3477, Vitacura, Santiago, Chile
Room Celso Furtado

09h00
Session 3: Towards people-centred clean energy transitions in Latin America: drivers, opportunities & challenges

The objective of this session is to understand how the energy transition can be harnessed to: combat energy poverty, increase energy access and quality, whilst ensuring that jobs are created within emerging sectors in the process. In turn, it aims to uncover what policy approaches are required in order to promote reskilling workers into new energy sectors and secure inclusive, transitional benefits for local and vulnerable communities.

Keynote speaker: Mr Diego Pardow, Minister of Energy, Chile

Introductory interventions:

- **Ms Michelle Marie Muschett Zimmermann**, UN Assistant Secretary-General, Assistant Administrator and Director of the Regional Bureau for Latin America and the Caribbean, UNDP, tbc
- **Mr Glenn Pearce-Oroz**, Director of International Relations and Special Projects, Sustainable Energy for All (SEforALL)

Open discussion

- Which are the most vulnerable groups which are most likely to be left behind in energy transition processes?
- Where do the opportunities lie to improve energy access, quality and security within the context of the energy transition?
- What concrete policy measures can be implemented to ensure the maximization of job creation in the low-carbon economy?
- Are there best practices for enhancing stakeholder engagement, creating local benefits and tailored skills training?

10h30
Coffee break
11h00
Session 4: Clean transport, sustainable cities and energy efficiency: scaling up clean energy solutions

This session will discuss the benefits of integrating clean transport, sustainable cities and energy efficiency within a holistic systems perspective. It seeks to understand the incentives to develop clean public transport and the state of sustainable urban planning in the region. A key focus for the session will also be to understand the characteristics of existing infrastructure to identify key opportunities for sustainable city transformation and scaling up clean energy solutions. Lastly, this session intends to take stock of energy efficiency policies and successes, while seeking to understand why the region lags behind global averages in realizing its energy efficiency potential.

	<p>Chair: Ms Virginia Zalaquett, Professor and Academic Coordinator of the Diploma in Energy Efficiency, Pontificia Universidad Católica de Chile (PUC), Chile</p> <p>Introductory interventions:</p> <ul style="list-style-type: none"> • Mr Ronny Rodríguez Chaves, Deputy Minister of Energy, Costa Rica • Mr Walter Verri, Deputy Minister of Industry, Mining and Energy, Uruguay <p>Open discussion</p> <ul style="list-style-type: none"> • To what extent are sustainability aspects incorporated into urban planning and where are key gaps in implementation? • Why is the region lagging behind global averages in using its energy efficiency potential? • Where are the main opportunities regarding sustainable city transformation? • How can collaboration across different levels of administration (national, federal, municipal) be improved in order to streamline policy development and implementation? • Electric vehicles vs. biofuels: where and why is each more effective, and where does the balance in dual implementation lie? • What cities in the region can be seen as leaders or examples, and why?
<p>12h30</p>	<p>Session 5: Attracting investment and optimising resources: opportunities in the clean energy transition</p> <p>The clean energy transition leads to the emergence of a “new global energy economy”, which opens new opportunities but also creates challenges that require careful long-term planning and corresponding investments. This session will discuss best practices for attracting investment to clean energy projects and how policies can contribute to a well-managed and smooth transition also in macroeconomic terms (fiscal revenues). The session will also explore the key clean energy investment opportunities in the region (including hydrogen and critical minerals), with a view to understanding existing funding streams and potential gaps in the future. Finally, the session will explore factors that may currently prevent investment from flowing freely into clean energy projects and discuss best practices for addressing these challenges.</p> <p>Chair: Ms Luisa Palacios, Senior Research Scholar, Center on Global Energy Policy, Columbia University</p> <p>Introductory interventions:</p> <ul style="list-style-type: none"> • Mr Antonio Silveira, Manager, Physical Infrastructure and Digital Transformation, CAF – Development Bank for Latin America • Ms Natacha C. Marzolf, Principal, Energy Division, Inter-American Development Bank (IDB) • Ms Janina Franco, Senior Energy Specialist, World Bank

	<p>Open discussion</p> <ul style="list-style-type: none"> • Where do the opportunities lie to introduce new technologies into the energy mix and into the market? And, what type of policies would be required in order to mobilize the necessary investments? • What will be the fiscal impact of a gradual transition away from fossil fuel production (over the coming decades) and how can this be managed? • How do projects get funded in practice and where do obstacles lie? • Are there successful examples in your country for tools, mechanism, programmes which boosted clean energy investments? • How to ensure that investments in recent mega-trends such as hydrogen and critical minerals also create local value added and development?
<p>14h00</p>	<p>Conclusions and next steps</p> <p>This session will provide a brief summary of take-aways for the structure and preliminary key messages for the Latin America Special Report and set out the timeline of next steps in the elaboration, including topics for follow-up technical meetings with country focal points and experts.</p> <p>Moderators:</p> <ul style="list-style-type: none"> • Ms Stéphanie Bouckaert, Head of Demand Sectors Unit, Energy Demand Outlook Division, IEA • Mr Brent Wanner, Head of Power Sector Unit, Energy Demand Outlook Division, IEA • Mr Joerg Husar, Latin America Programme Manager, IEA <p>Concluding remarks: Mary Burce Warlick, IEA Deputy Executive Director</p>
<p>14:30</p>	<p>Lunch (ECLAC canteen)</p>