

# IEA Webinar

Climate Change and Hydropower in Latin America

International  
Energy Agency

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## Background

Hydropower is the main source for electricity generation in Latin America, accounting for 45% of electricity supply. By 2040, it is likely to remain significant or potentially increase, supporting the achievement of Sustainable Development Goals (SDGs) and carbon emissions reduction in the energy sector. However, climate change poses an increasing challenge to Latin American hydropower with rising temperatures, fluctuating rainfall patterns, melting glaciers, and increasing occurrence of extreme weather events. The International Energy Agency (IEA) analysis supports Latin American hydropower in coping with the adverse impacts of climate change and developing a tailored set of climate resilience measures based on a comprehensive assessment of climate risks and impacts.

## Objective

This IEA webinar on climate change and hydropower in Latin America will discuss impacts of climate change and explore measures to enhance climate resilience. Speakers from governments, international organisations and development banks will share the latest findings and best practices in the region. Discussions in this webinar will contribute to raising awareness of adverse impacts of climate change and developing solutions for resilient hydropower systems.

## Agenda

- Date: Friday, 26 March 2021, 14:00-15:30 (CET)
- Format: Virtual event

Friday 26 March	
14h00 (CET)	<b>Welcome and Opening Remarks</b> <ul style="list-style-type: none"> <li>• Mechthild Wörsdörfer, Director of Sustainability, Technology and Outlooks, IEA</li> </ul>
14h10 (CET)	<b>Session 1: Climate impacts on Latin American Hydropower</b> <ul style="list-style-type: none"> <li>• Jinsun Lim, Energy and Environment Policy Analyst, IEA</li> <li>• Roberta Boscolo, Lead Weather &amp; Climate Services for Energy and Luis Roberto Silva Vara, HydroSOS Project Officer, World Meteorological Organisation</li> <li>• Giovani Vitória Machado, Director of Energy Economic and Environment Studies, Brazil EPE</li> <li>• Q&amp;A (15 min)</li> </ul>
14h45 (CET)	<b>Session 2: Enhancing climate resilience of Latin American Hydropower</b> <ul style="list-style-type: none"> <li>• Maria Ubierna, Hydropower Specialist, International Hydropower Association</li> <li>• Arturo Alarcon, Senior Energy Specialist, Inter-American Development Bank</li> <li>• Caroline Field, Associate Director for Resilience, Security and Risk, Resilience Shift</li> <li>• Q&amp;A (15 min)</li> </ul>
15h20 (CET)	<b>Closing remarks</b> <ul style="list-style-type: none"> <li>• Laura Lizano, National Energy Director, Central American Integration System (SICA)</li> </ul>
Moderated by Tom Howes, Head of Energy and Environment Division	