Perspectives on Renewables:
Latin America and the Caribbean

Dr. Karla Cedano

April 29, 2025

The Sources…

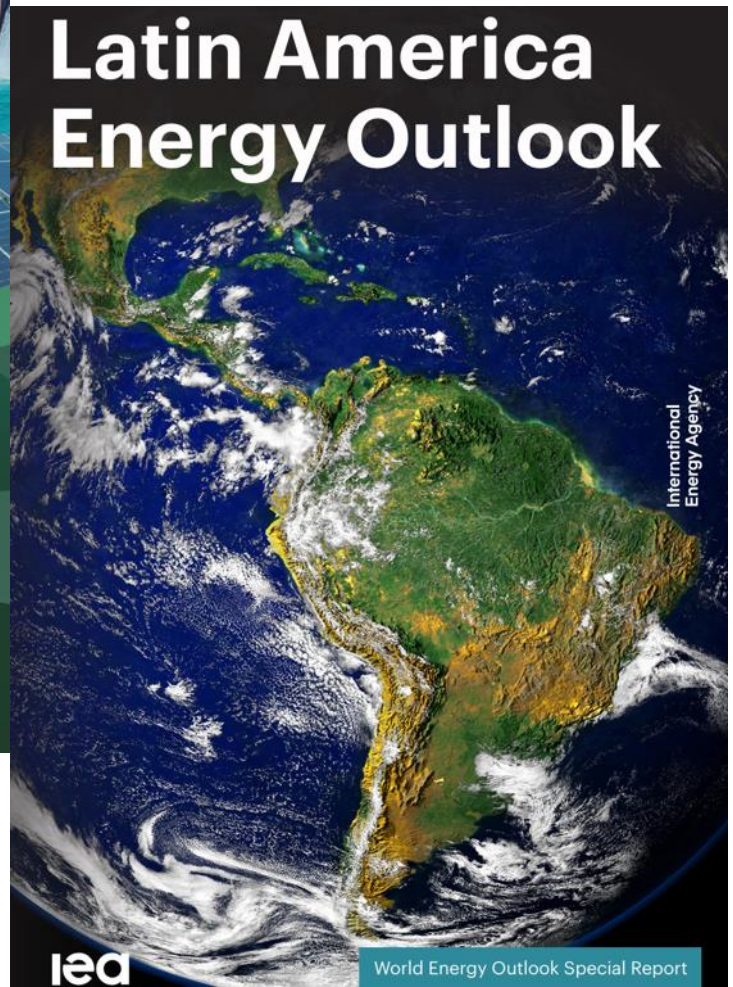

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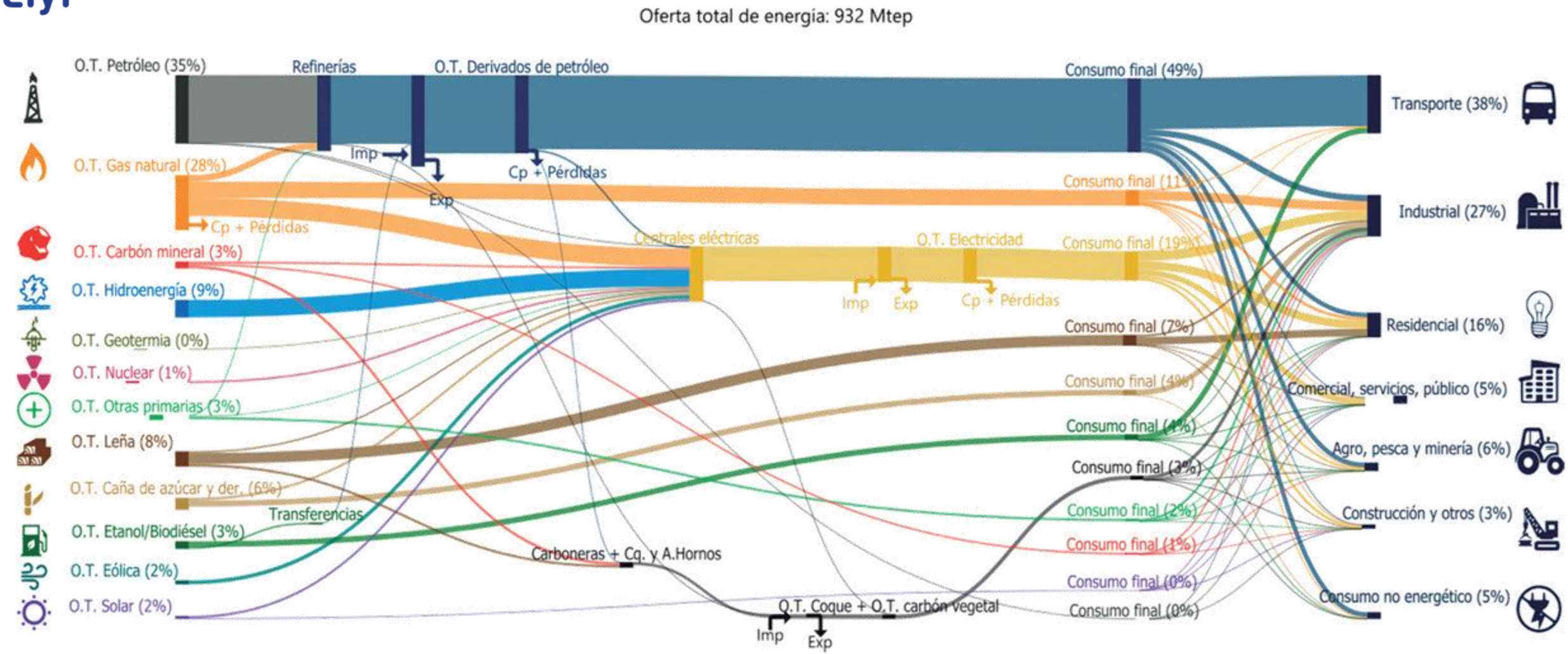
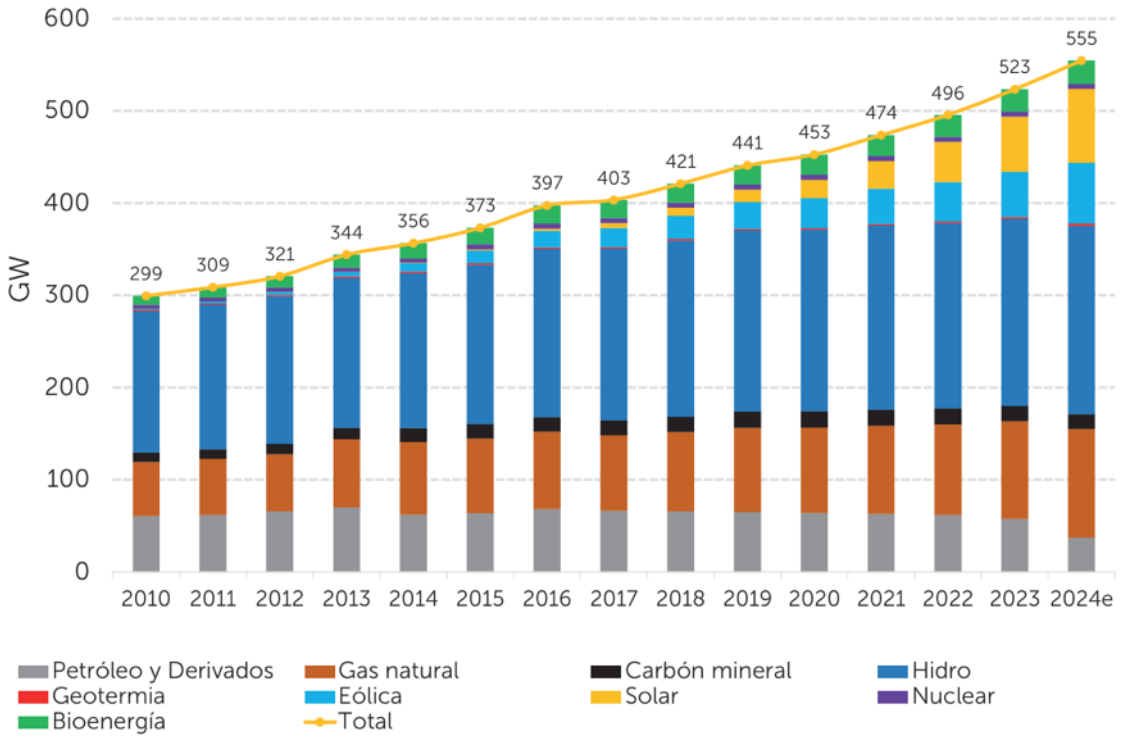
Figura 1. Balance energético resumido de ALC, año 2024 (preliminar)

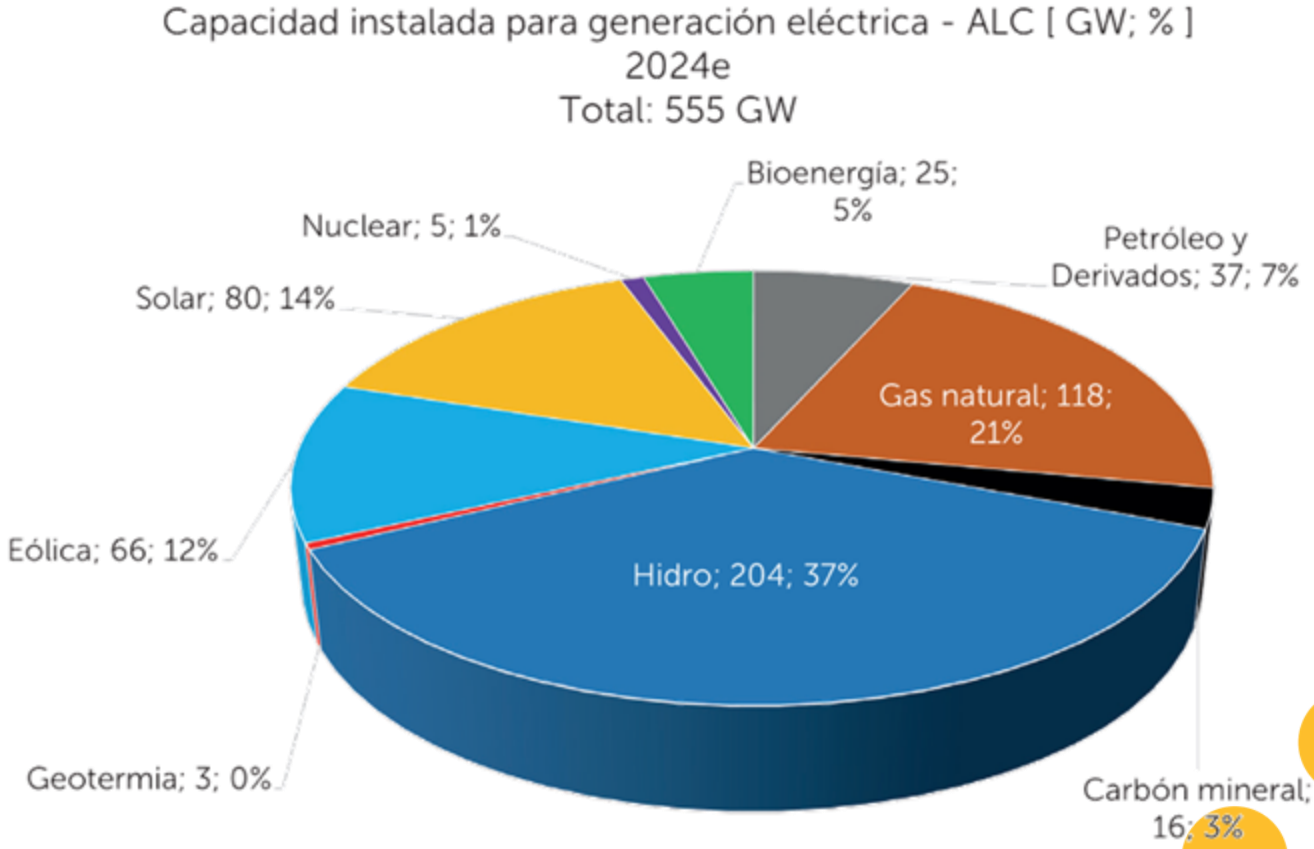


Fuente: sieLAC – OLADE, 2024

Figura 2. Capacidad instalada de generación eléctrica por fuente - ALC



Fuente: sieLAC – OLADE, 2024



Fuente: sieLAC – OLADE, 2024

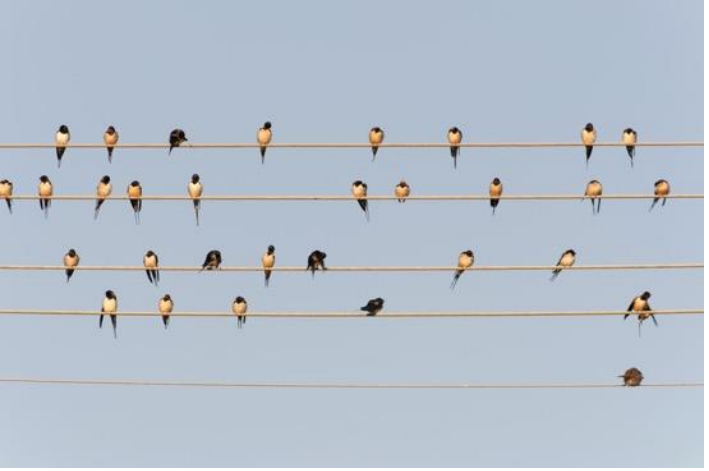
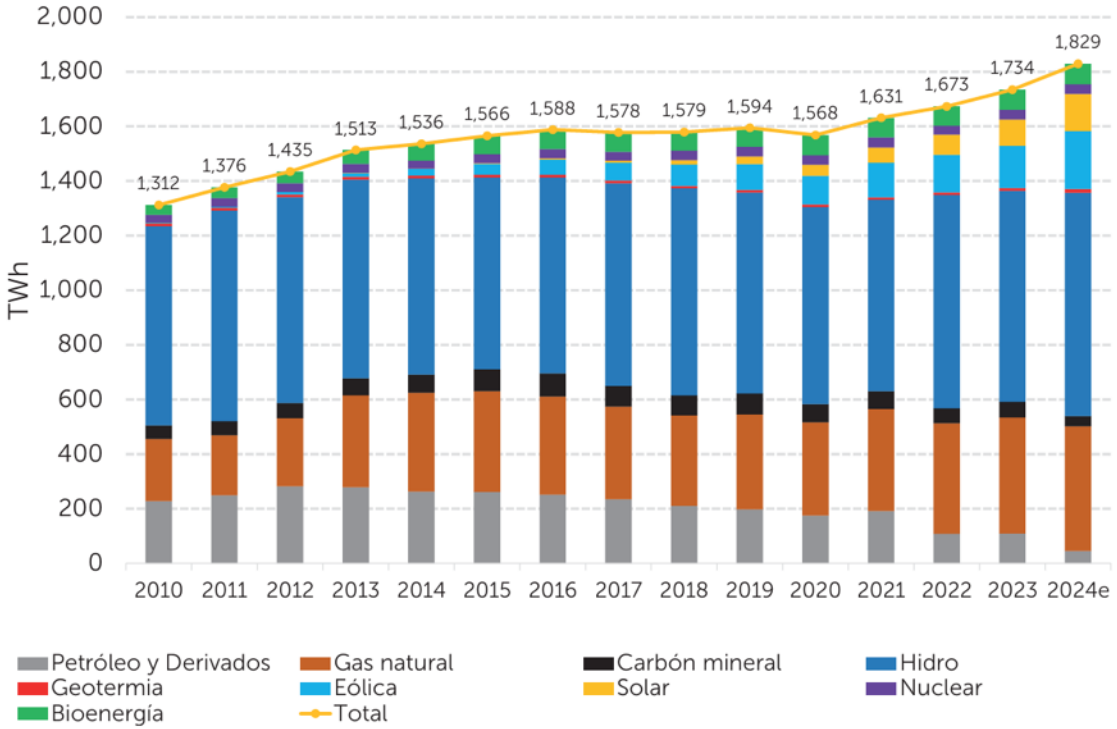
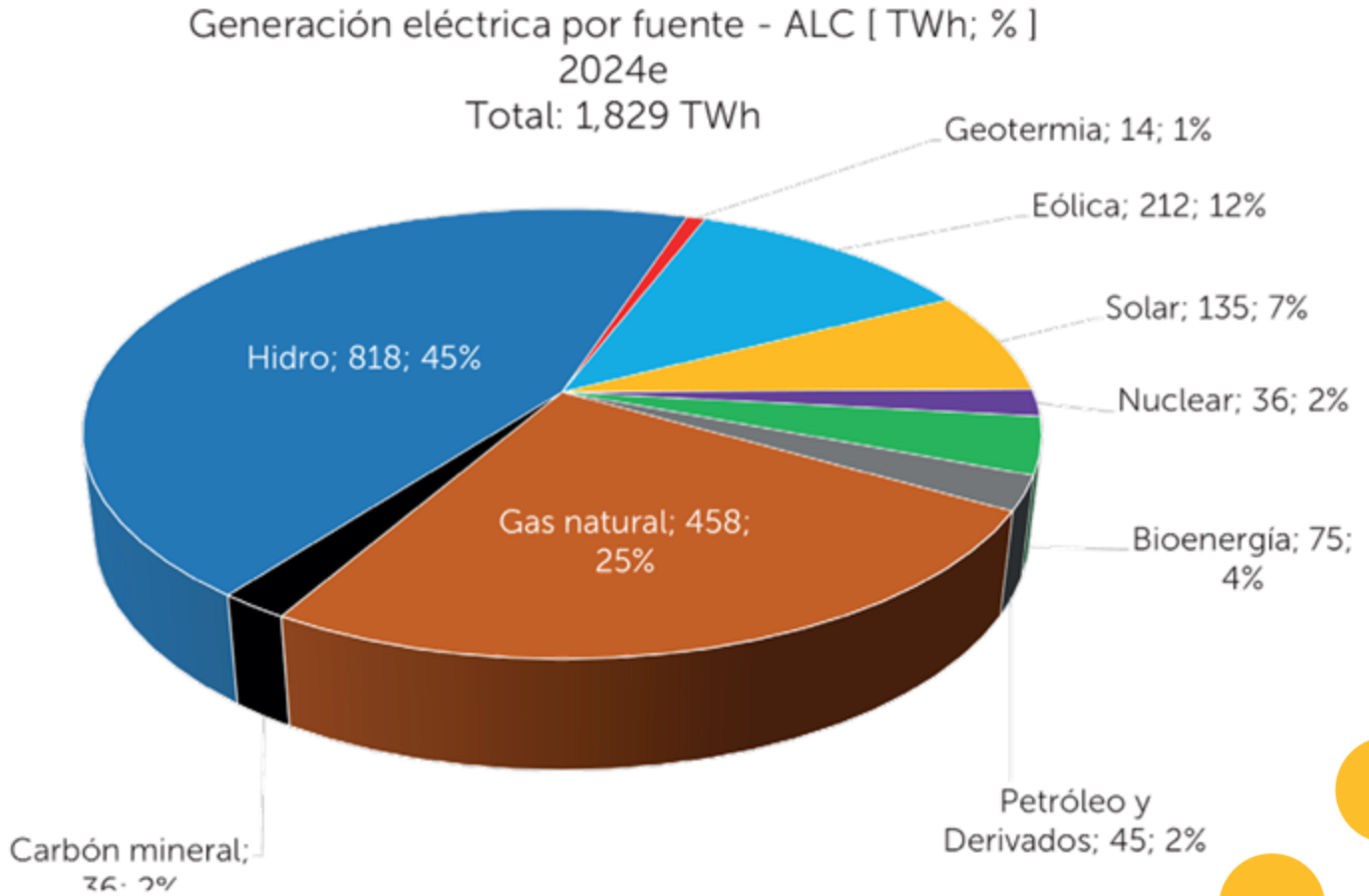


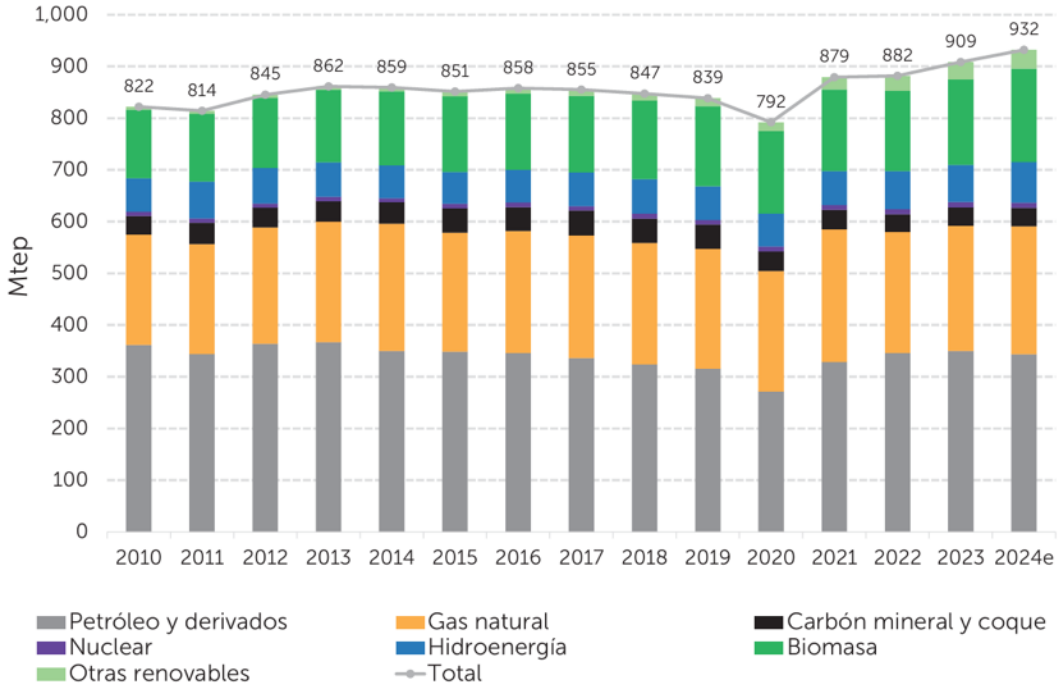
Figura 5. Generación eléctrica por fuente - ALC



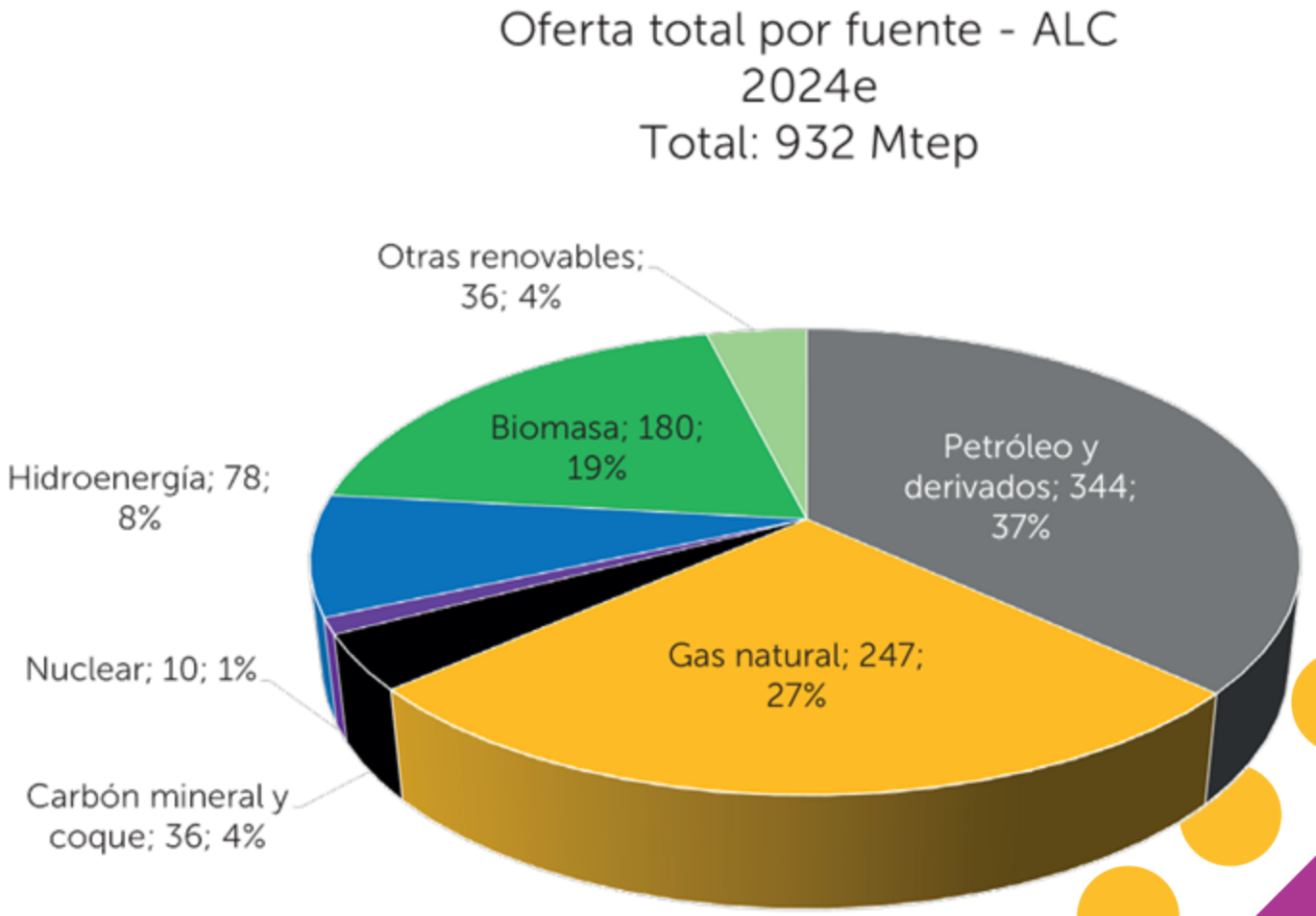


Fuente: sieLAC – OLADE, 2024

Figura 20. Oferta total de energía en ALC por fuente

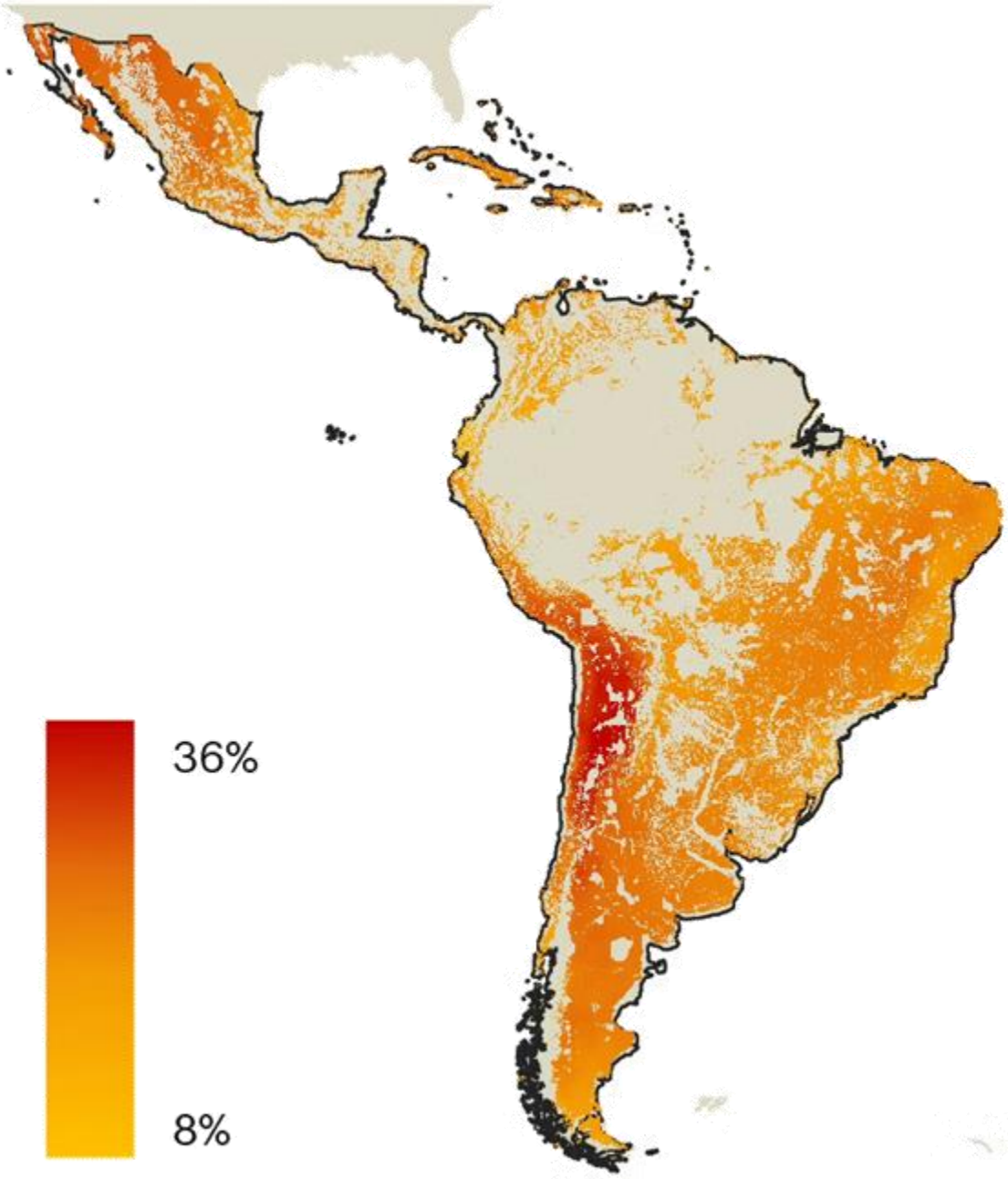


Fuente: sieLAC – OLADE, 2024

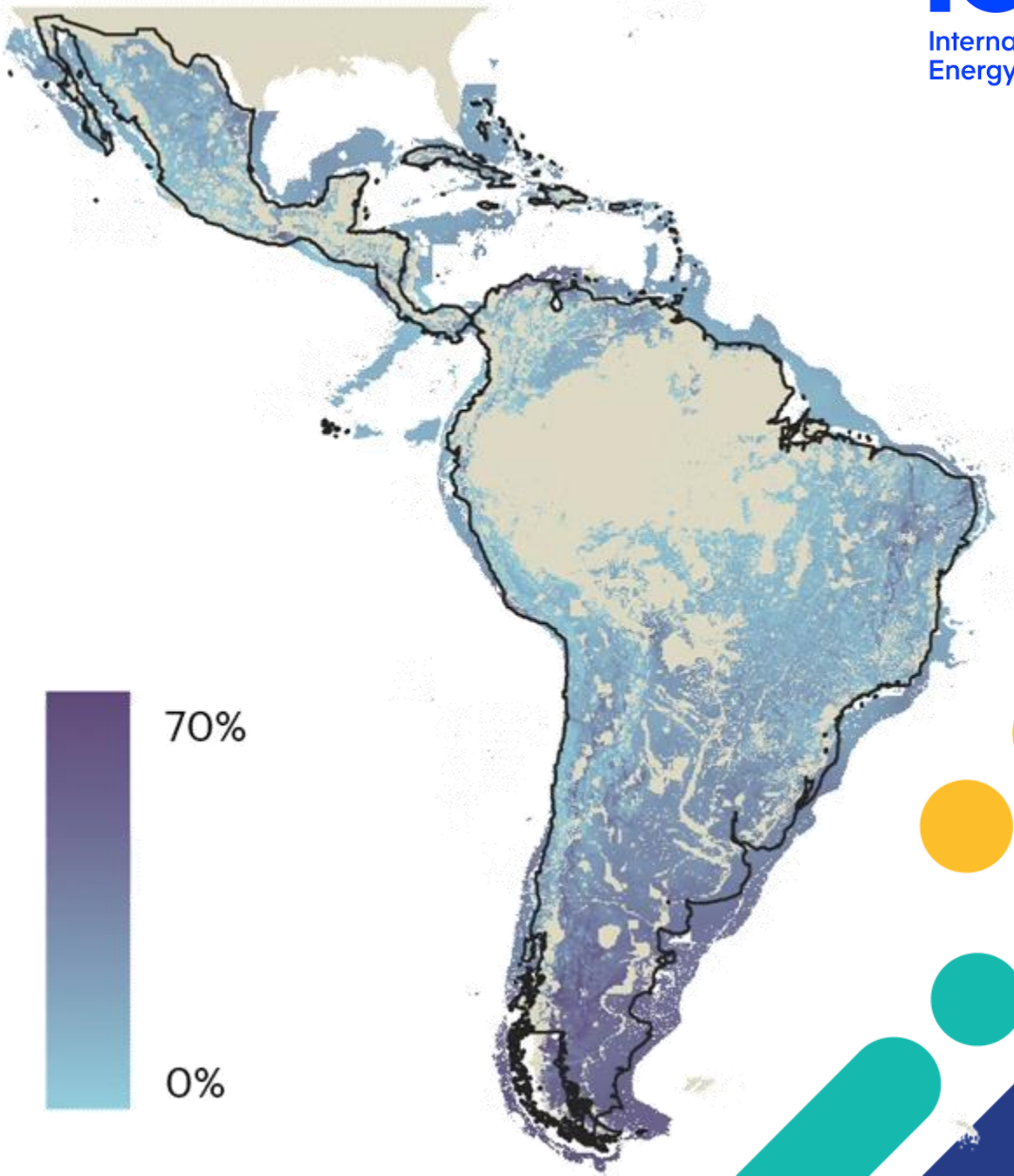


Fuente: sieLAC – OLADE, 2024

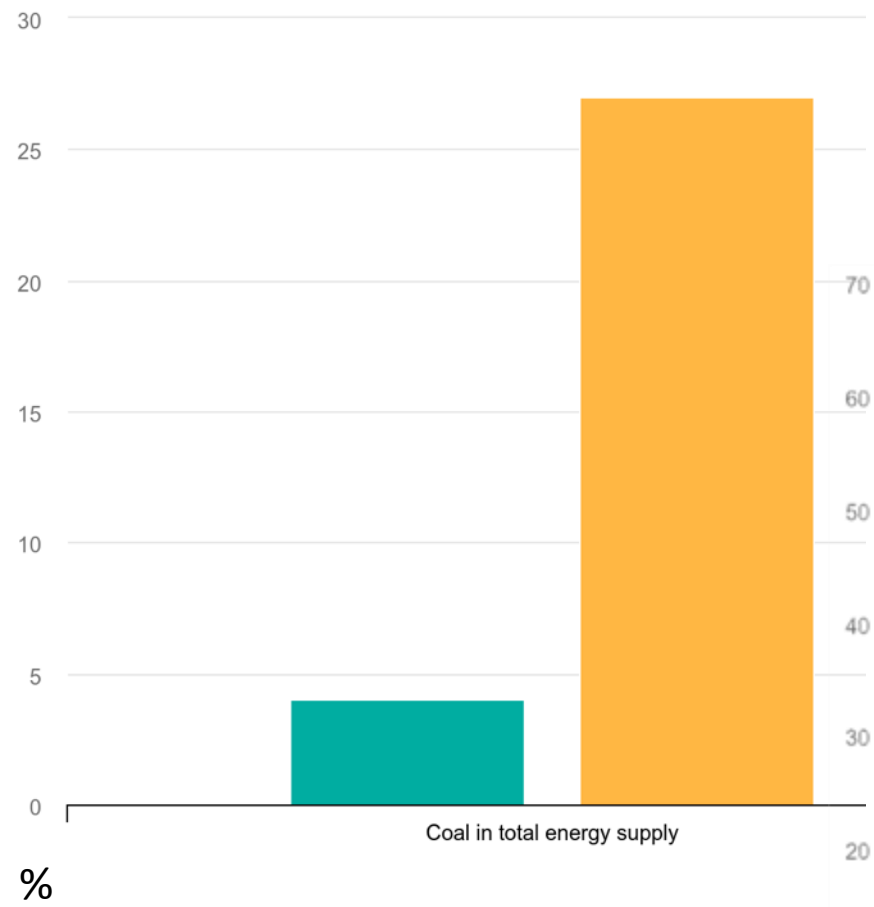
Solar PV

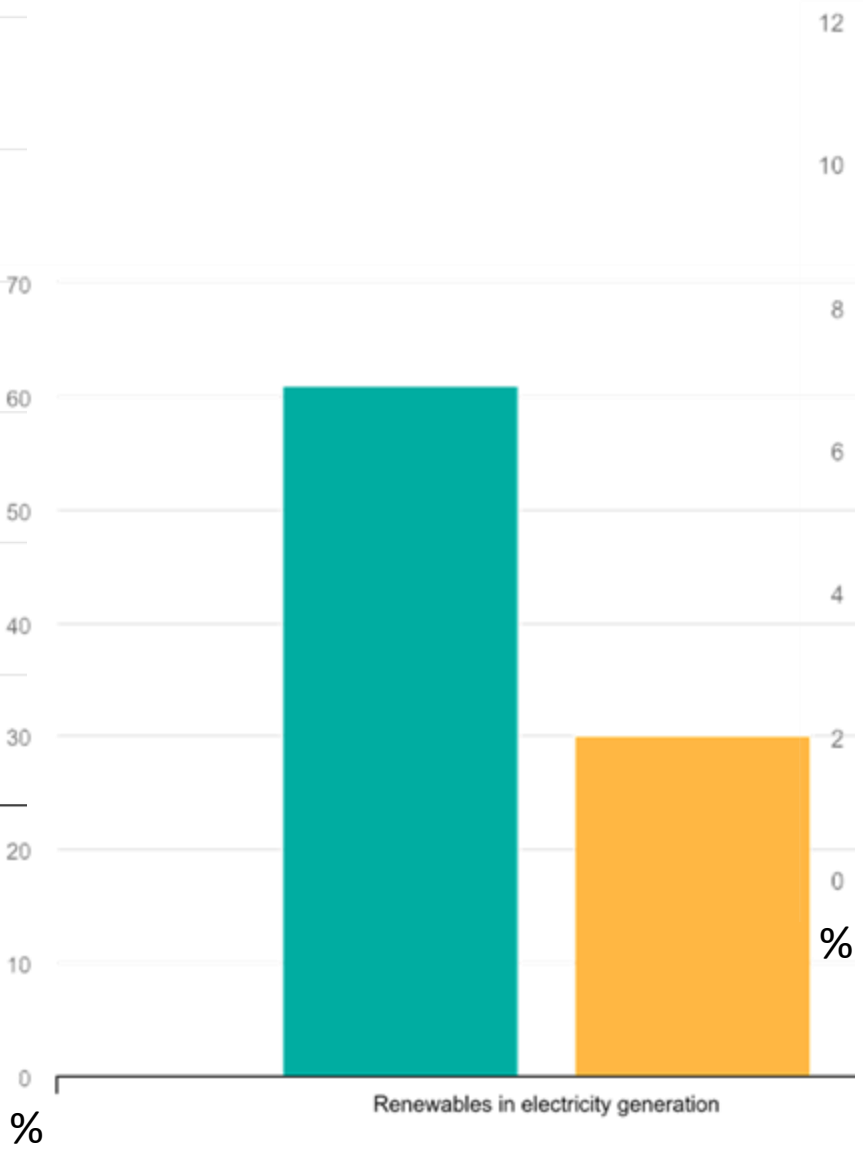


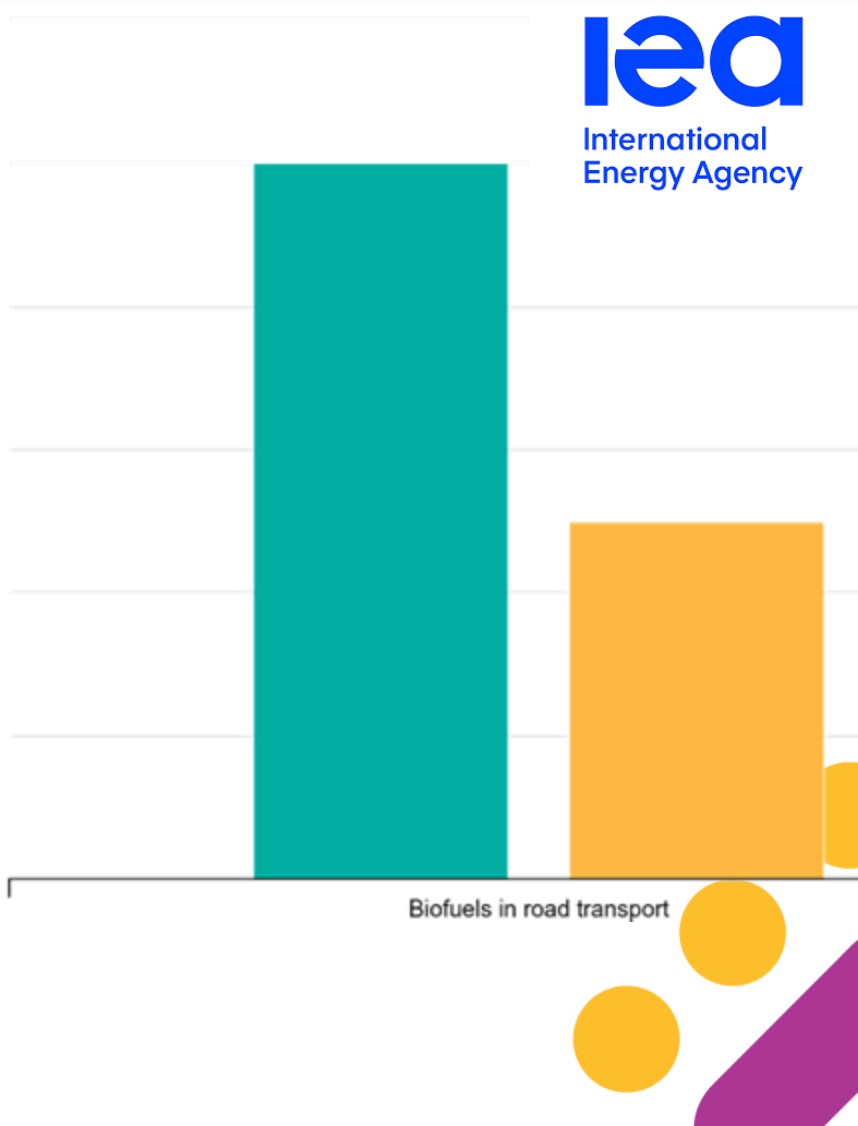
Onshore and offshore wind



International Energy Agency





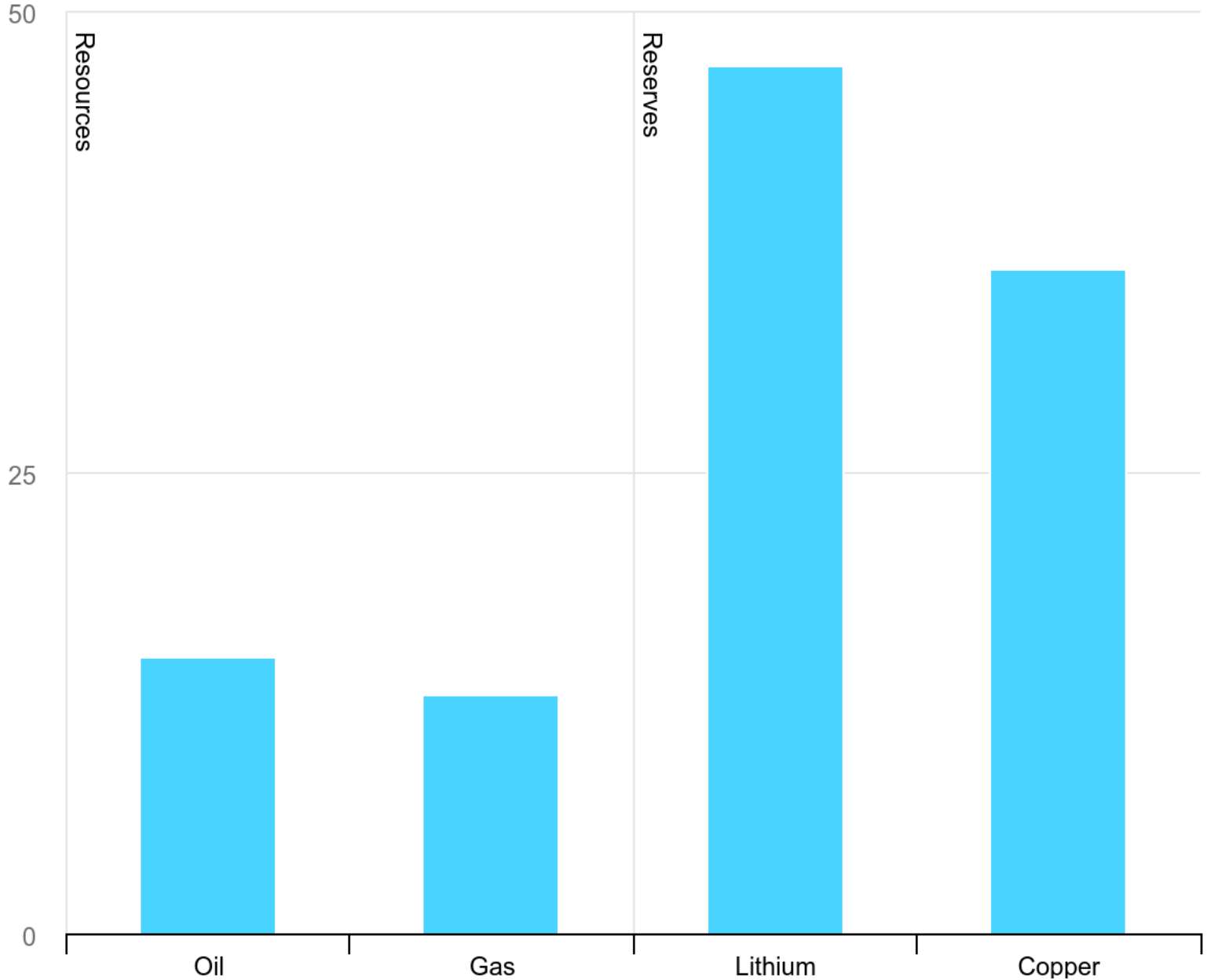


International Energy Agency

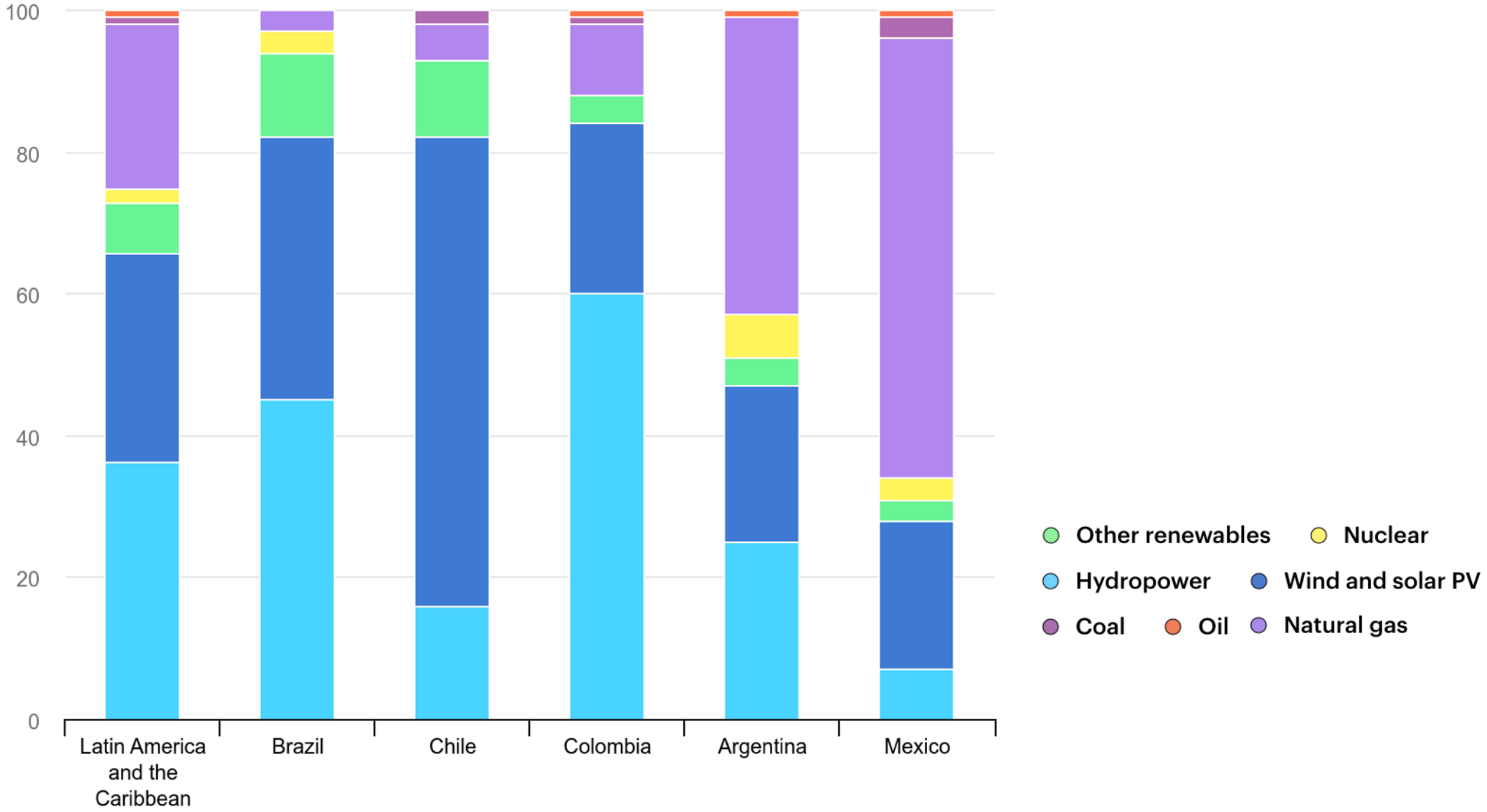
World

LAC

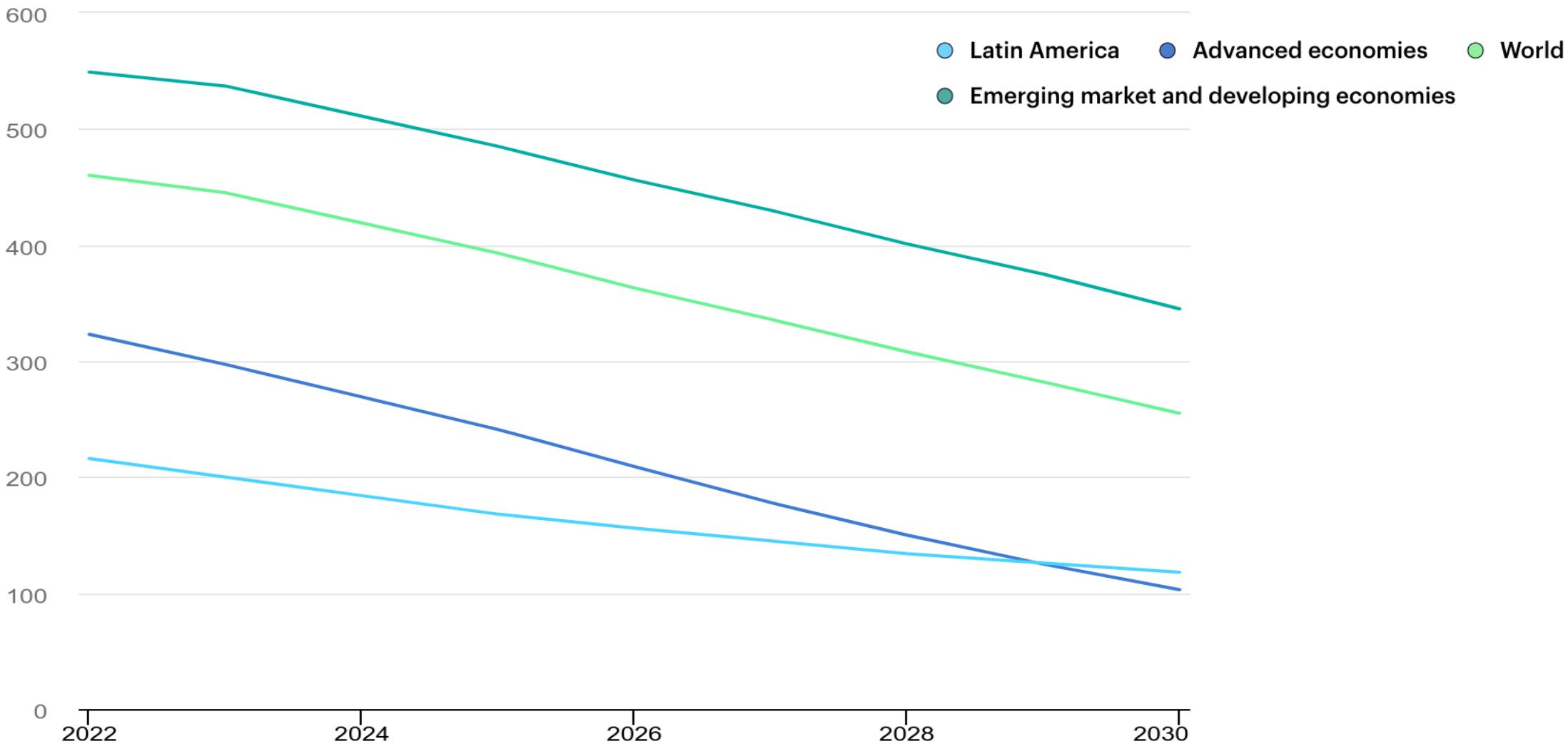
Global energy resources and reserves in LAC



Electricity generation mix in the announced pledges scenario 2030



CO_2 emissions intensity of electricity generation in aps 2023



Key Findings

- A number of LAC governments are developing increasingly integrated and long-term energy scenarios linked to their climate goals.
- There is a growing emphasis on participatory scenario development as part of energy planning processes in the LAC region
- The long-term scenarios analysed by LAC countries are increasingly based on larger shares of renewables in their energy mix and on more efficient energy consumption.
- Transparent energy data and statistics are crucial to the development of more reliable scenarios.
- The support provided through international co-operation has been crucial in enabling many LAC countries to develop energy scenarios for medium- and long-term energy planning.
- The LAC region is developing energy scenarios with a broader scope that goes beyond technoeconomic criteria.

Solar Landscape

- Solar Thermal
- PV in Power generation
- Biofuels (Solar concentration applications)
- Solar in Green Hydrogen production
- LAC Talent throughout the whole Solar Value Chain
  - R&D – most important universities in the region
  - Professional Associations (ABENS, ANES, ISES, …)
  - Geographical resource allocation
  - Gender mainstreaming

See you in Fortaleza!

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