



Comisión de Integración Energética Regional  
**CIER**



Comité Argentino de la CIER  
**CACIER**

**Ester Beatriz Fandiño**  
*Secretaria Ejecutiva del CACIER*

## **CIER Region Electrical Sector & Climate Change**

**Position Paper  
COP 16**

## CIER Position Paper

- The energy sector is extremely important in terms of Climate Change.
- To what the CIER region is concerned, the dominant source in the region is hydroelectric with an installed capacity equivalent to 20% of the world, and a potential of 594 GW of hydraulic power of which we have only developed 25%.
- In turn, there is also a wind power potential of approximately 350 GW.

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- The hydraulic capacity allows us, -differently from European countries- fluctuations in wind power, using dams as regulators of wind production and biomass variations. Thus, the dams of hydroelectric plants work as energy reservoirs.
- On the basis of simulated reference scenarios to 2017, it is quantified as 58% of the participation of total non emitting sources in the production of electric energy in South and Central America.

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### Points of consensus to address:

- Since direct impacts from Climate Change have the most dramatic consequences for the poor, it requires not only well designed measures to mitigate the emissions but also to adapt to economic, social and environmental impacts.
- Our countries must take part in the search for balanced agreements in the COP16 meetings, taking into account the strong points and failings of each country.

## CIER Position Paper

### Points of consensus to address (cont):

- We support the adoption of voluntary and adequate actions, without abandoning the principle of common, but differentiated, responsibilities between developed and developing countries.
- Mitigation mechanisms, such as NAMAs, to be undertaken by developing countries as part of the global effort to combat climate change, with the corresponding counterpart of financial resources and technology transfer from the developed countries.

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### Points of consensus to address (cont):

- Negotiations must keep in mind the need for clarity regarding measurement, reporting and verification (MRV) and which penalties are to be established.
- Different mechanisms are required for developed countries which have binding objectives and the developing countries which must take on quantifiable voluntary commitments.

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### Points of consensus to address (cont):

- We encourage the discussion of the “REDD” (Reduction of Emissions by Deforestation and Degradation of Forests) type mechanisms, that provides an opportunity to introduce new values in the mechanisms proposed to reduce emissions of greenhouse effect gases.

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### Points of consensus to address (cont):

- With this focus it is suggested that efforts to negotiate in order to carry out forestation and reforestation projects undertaken by the electricity sector will be considered valid actions regarding claims upon the financial mechanisms for development.

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### Points of consensus to address (cont):

- The region has a “historical environmental credit,” in contrast to the “historical responsibility” of the developed countries for the great emissions in the past.
- The negotiations should take advantage of these comparative scenario of the region.

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### Points of consensus to address (cont):

- Furthermore, it would seem convenient and to the benefit of all the Parties, to analyze a manner of regional coordination among institutions and agencies, to allow to treat variations in hydraulic flows on the basis of studies (e.g. Project CIER05) that analyzes the impact of extreme hydro meteorological conditions with effects in the electrical energy sector and the adequate necessary actions, and its support.

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### Points of consensus to address (cont):

- LA electric region is “quite clean” in terms of GHG emissions, due to the past efforts, and the expansion axes of our capacity for generation are hydroelectricity, thermal generation based on natural gas – with the alternative of LNG- and non conventional renewable energies (NCRE).
- Thus, LAC is able to contribute to the achievement of the reduction targets. For that, we ask to support the following measures:

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### Points of consensus to address (cont):

1. Perform prospective hydrological studies to face greater variability of future flows
2. Promote better understanding of the benefits of hydroelectric projects and its dams for multiple mitigation purposes and Climate Change effects (floods & droughts)
3. Support NAMA`s mitigation mechanisms & technological transfer. Includes CO2 capture/CCS

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### Points of consensus to address (cont):

4. Special considerations for the emissions of the thermoelectric stations needed for security & complementary to the generation matrix of the CIER countries, (focusing the trends to minimize the operating periods of thermoelectric facilities)
5. The negotiations must avoid making commitments that result in electric energy rate increases to consumers of the CIER region.

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### Last, but not least:

- Advocate for the continuity of CDM provided for Kyoto, with new improvements to:
  - Better comprehension of hydro matrix & benefits.
  - Enforce Energy Integration as a strategic contribution to GHG reduction (Project CIER 15 identified 12 projects to increase cross boarder transactions with environmental benefits of 7.8 millions tns CO2 avoided per year).
  - Promote improvements in the approval process of CDM project, for instance: agility and transaction costs.

## Introduction to CIER



The Commission is an international organization which has led and managed integration for 46 years and groups 235 institutions and companies in the public and private sector, regulators, ministries and associations in South and Central America and the Caribbean.



## CIER Objectives

- Promoting and favoring the integration of the energy sector in the Region.
- Supporting its members in the search for company efficiency, including security in regional supply, quality of service, energy efficiency, regulation, sustainable development.
- Promoting the participation of the different actors of the South American energy sector in the analysis and discussion of key themes for the industry.

## Membership

### CIER MEMBERS 2010

Distribution	Generation	Transmission	Integrated C+T+D+C	Combination of G, T, D, C, Business	Agencies, Ministries, Regulators	TOTAL
38	32	17	16	79	55	237



# Thank you !

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**CIER**

[www.cier.org.uy](http://www.cier.org.uy)

**CACIER:**

[www.cacier.com.ar](http://www.cacier.com.ar)

**Ester Fandiño**

[www.esterfandino.com.ar](http://www.esterfandino.com.ar)