



ORGANIZACIÓN LATINOAMERICANA DE ENERGÍA | LATIN AMERICAN ENERGY ORGANIZATION | ORGANIZAÇÃO LATINO-AMERICANA DE ENERGIA | ORGANISATION LATINO-AMERICAINE D'ENERGIE

Sustainable Energy Supply

Martha Ligia Vides L
Senior Specialist in Hydrocarbons

“4th APEC Oil and Gas Security Network (OGSN) Forum“
Tokyo - Japan, March 7-8- 2018

Nos une la **energía**
Energy joins us.



It was created on November 2, 1973 with the signing of the Lima Agreement, its founding charter.

OLADE is the political and technical support Organization through which its Member States undertake common efforts for regional and sub-regional energy integration.

It's mission is to contribute to integration, sustainable development and energy security of the region, advising and promoting cooperation and coordination among its Member Countries.

The Organization is ratified by 27 countries. It also includes **Algeria** as a participating country.





Region with an approximate population of 622 million people.



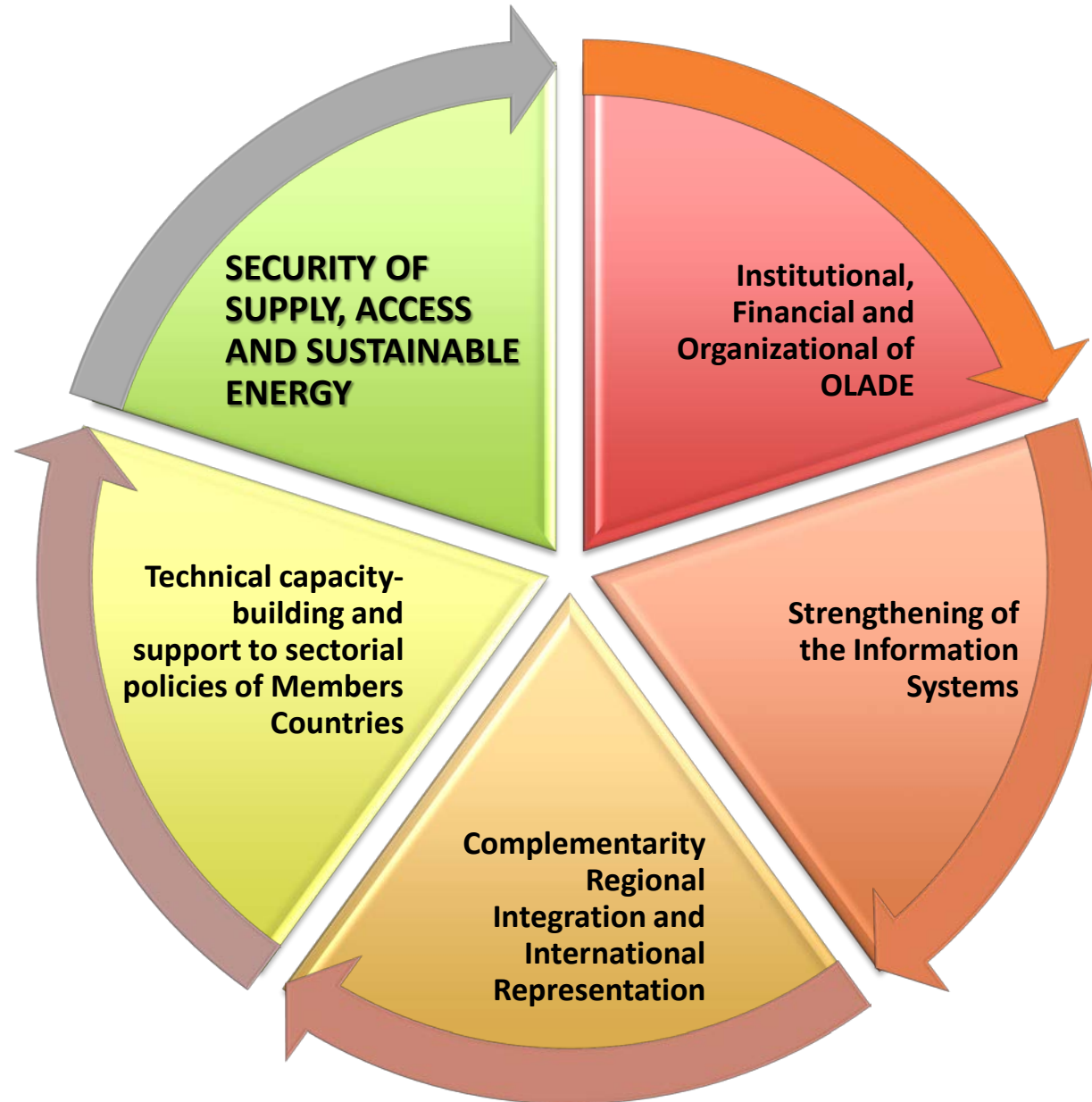
- The average electrical coverage exceeds 96%.
- Electricity generating capacity 370 GW.
- 34% of this capacity corresponds to Natural Gas plants, and 37% to generation, through renewable sources.
- However 21.8 million people in the region still lack access to modern energy.



LAC has a green energy matrix with a share close to 25% of renewable energy and a huge potential to develop.



- The main energy source in the region.
- Final consumption matrix close to 63%, without counting the fuel used to generate electricity.
- Owns about 20% of the world's oil reserves, and 4% of gas natural reserves.



ENERGY SECURITY

“Vulnerability Study to Climate Change in the energy sector”

SUSTAINABLE ENERGY

“Latin America and the Caribbean Energy Efficiency Program” (PALCEE)

ACCESS TO ENERGY

“Access to sustainable energy in Latin America and the Caribbean”

COLOMBIA

Adaptation study to climate change in the gas and oil industry, a valid element for risk management

NICARAGUA

Adaptation study to climate change in the hydropower sector in Nicaragua, a valid element for a risk management strategy

CENTRAL AMERICA

Vulnerability to climate change in the hydropower generation systems and its adaptation options

ANDEAN ZONE

Vulnerability to Climate Change and adaptation measures of the hydropower systems to Climate Change in Andean Countries



OBJECTIVES

BENEFIT COUNTRIES

WITH FUNDING FROM
 AUSTRIAN
DEVELOPMENT
COOPERATION


Latin America and the Caribbean
Energy Efficiency Program


TECHNICAL
COUNTERPART

Strengthening institutions to develop energy efficiency

Strengthen the institutional framework by seeking a regulatory instrument to help decision makers to ensure the sustainability of national energy efficiency plans.

Professional training in energy efficiency

- Professionals as part of responsible energy efficiency institution and professionals of the financial sector in order to implement credit lines for the development of projects of this nature.
- Professionals responsible for the maintenance of the buildings where the demonstration projects will be developed on the demand side.

Implementation of demonstration projects

- Scheduled projects:
- Implementation of energy efficiency in the services and industrial sectors.
 - Energy savings in public and commercial buildings
 - Popular efficient lighting

PALCEE I:
El Salvador
Grenada
Jamaica
Nicaragua

PALCEE II:
Belize
Guyana

HYDROCARBON



- Institutional strengthening of governance
- Standards and technical regulations
- Support and recommend initiatives aimed at the transparency

ELECTRICITY



- Contributing whit tools for analysis of electricity generation
- Design of policies and regulatory frameworks
- Exchange of knowledge and good practices

ENERGY AND ACCESS

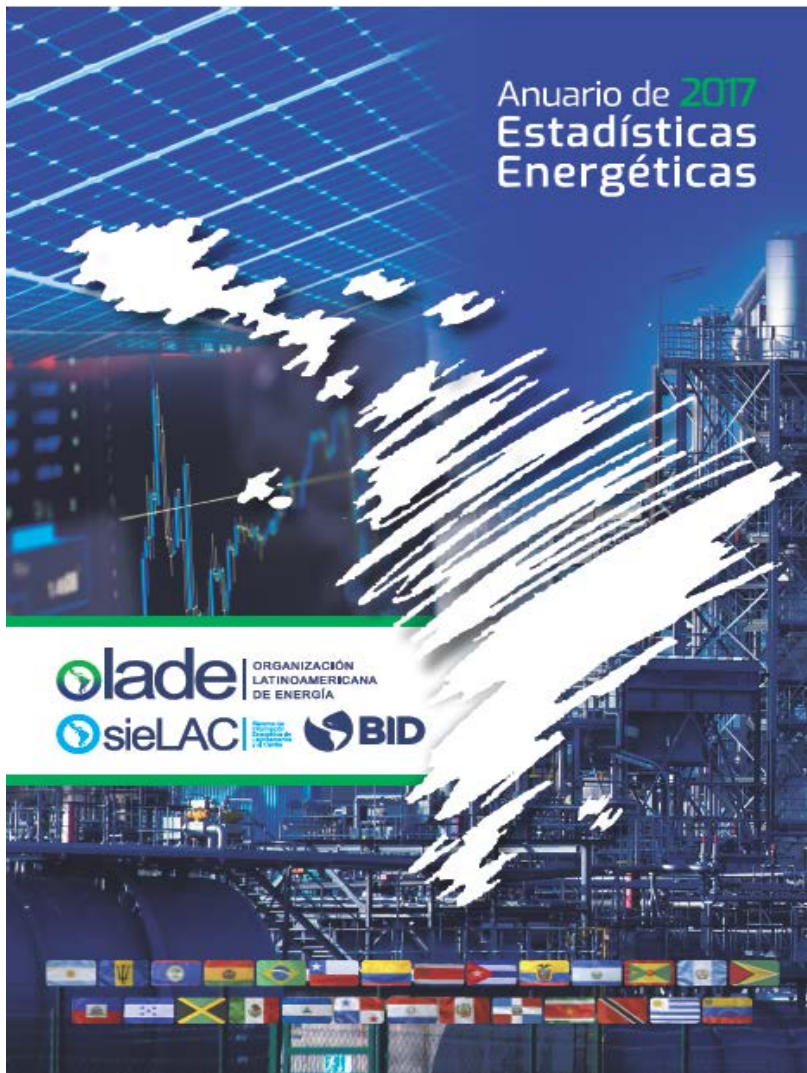


- Development of electrification methodologies for isolated areas
- Public policies

ENERGY INTEGRATION



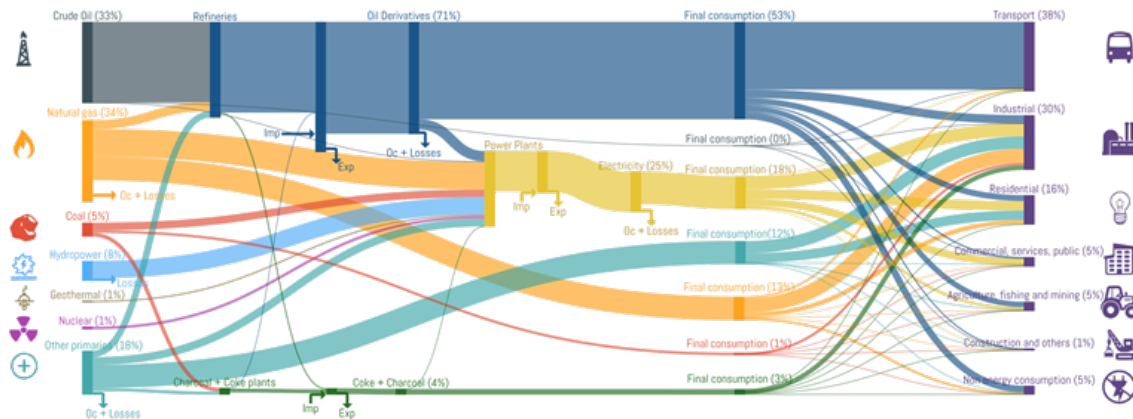
- Strengthen regional energy integration ties
- Support to sub-regional energy integration and planning
- Prospective studies - Regional Energy Security Study (PRESER)



Anuario de 2017
Estadísticas
Energéticas

olade | ORGANIZACIÓN LATINOAMERICANA DE ENERGÍA
sieLAC | BID

<http://www.sielac.olade.org>



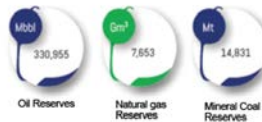
AMÉRICA LATINA Y EL CARIBE

General Features 2016

Population (th inh) 628,844
 Surface (km²) 21,326,496
 Population density (inh/km²) 29
 Urban population (%) 80
 GDP USD 2010 (MUSD) 5,568,543
 GDP USD 2011 PPA (MUSD) 8,160,635
 GDP per CAPITA (th USD 2011 PPA/inh) 15



Energy Sector



Productos y Servicios



Sistema de información Energética de Latinoamérica y el Caribe



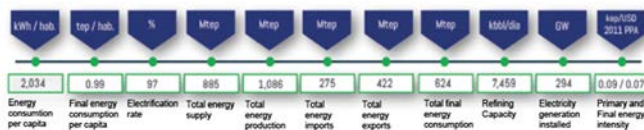
Herramientas de identificación energética para Latinoamérica y el Caribe



Capacidad energética virtual para Latinoamérica y el Caribe



Redes especializadas de Latinoamérica y el Caribe



Nos une la **energía**
Energy joins us



ORGANIZACIÓN | LATIN AMERICAN | ORGANIZAÇÃO | ORGANISATION
LATINOAMERICANA | ENERGY | LATINO-AMERICANA | LATINO-AMERICAINE
DE ENERGÍA | ORGANIZATION | DE ENERGIA | D'ENERGIE

Thank you very much
martha.vides@olade.org

Nos une la **energía**
Energy joins us.