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# "Needs for developments in energy data in Latin America and the Caribbean"

2018 InterEnerStat Workshop: Energy efficiency and end – use data and Meeting of Organizations

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## About OLADE



### About OLADE

- Intergovernmental public entity
- Established on November 2, 1973
- 27 countries of the Latin American and Caribbean Region

### Purpose

- Contribute to the economic and social development of the Latin American and Caribbean countries supporting:
- Regional integration
- Protection and conservation of energy resources
- Rational use of energy

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

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## Management of Energy Statistics in LAC



Institutional and legal framework



Energy balances (Harmonization)

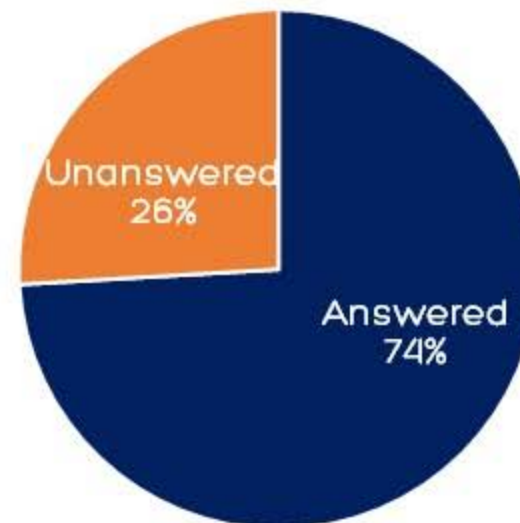


Energy Prices



IT Tools

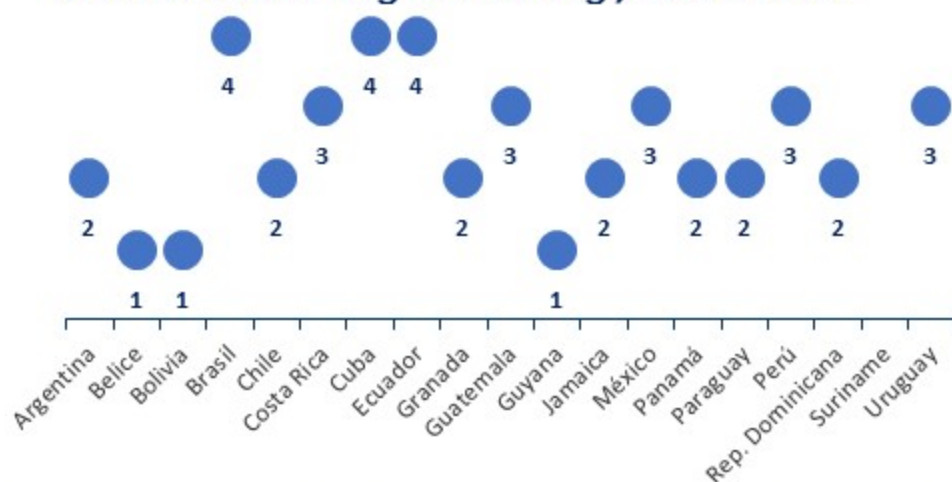
### Survey on Management of Energy Statistics



*20 countries answered the survey*

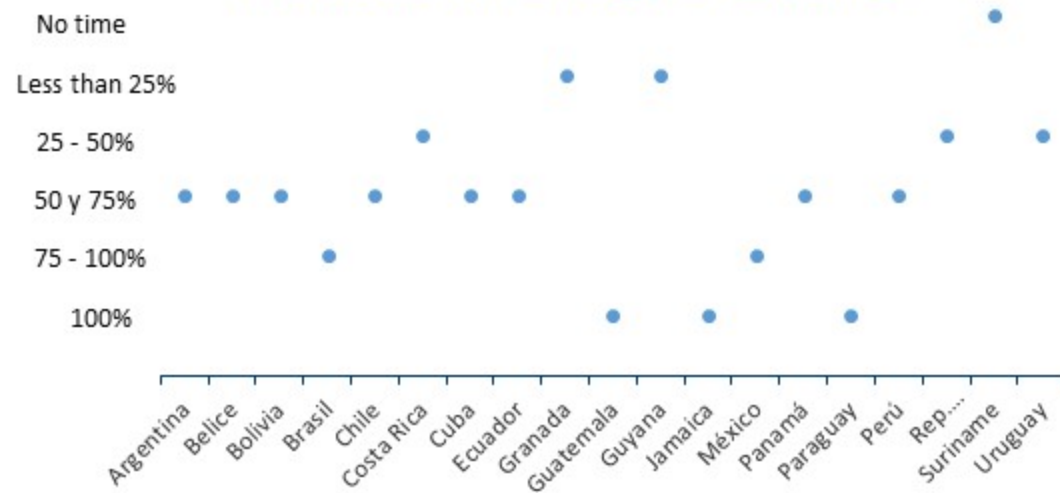
# Institutional framework

*Officials working on energy statistics*



- Energy statistics are managed by the Energy Sector in LAC
- Political biases could arise and affect data management
- Countries have 1 to 4 officials working on energy statistics (Suriname no one)
  - The average of officials working on energy statistics is 2.3
  - ¡High rate of staff turnover!!

*Workload for energy statistics*

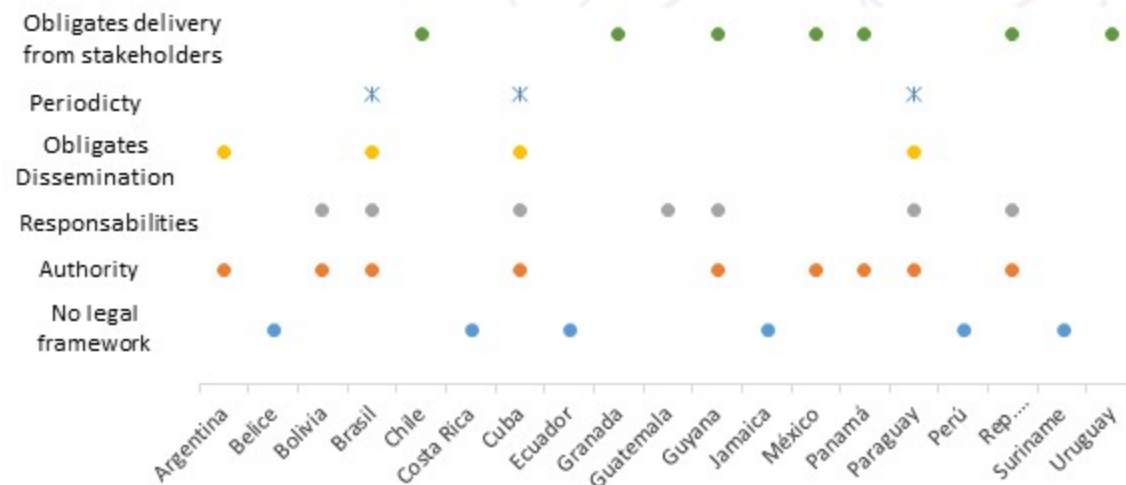
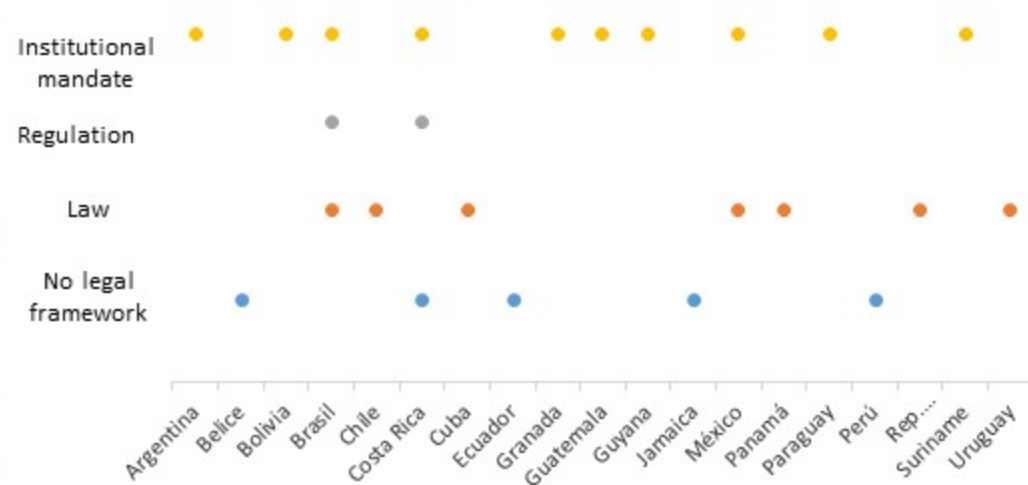


- Workload: Between 50% and 75% of the time is used in energy statistics processing
- No institutionalized interaction between stakeholders, except:
  - Brasil, Mexico and Paraguay
  - Energy Statistics Committee institutionalized



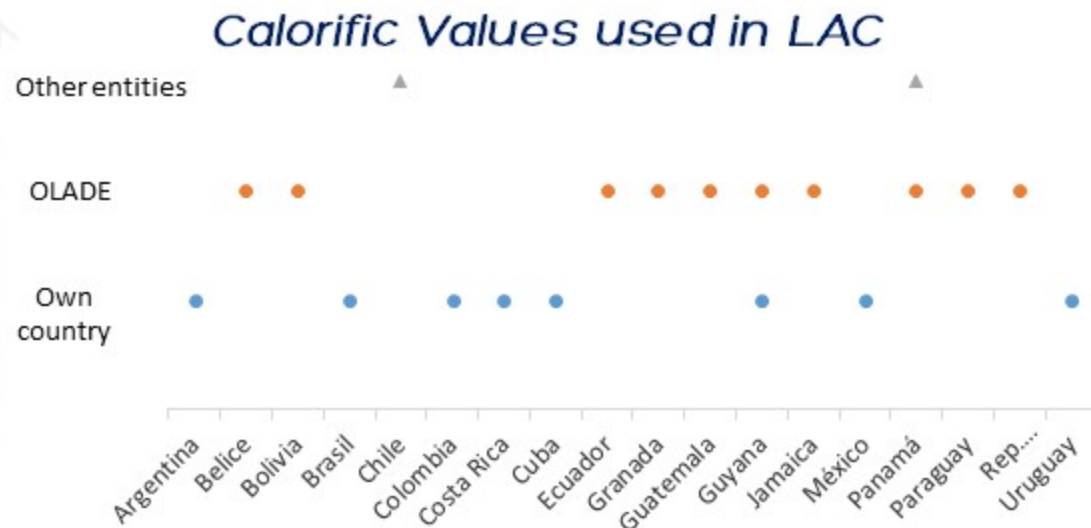
# Legal framework

## Type of legal framework



- In most of the countries (10), energy statistics are supported on an institutional mandate
- When there are institutional changes, the mandate may not guarantee the continuity of the management of energy statistics
- 7 countries in LAC have a law for energy statistics management
- 6 countries don't have any legal framework for Energy Statistics

## Information availability for Energy balances harmonization



- 10 countries in LAC work with the Calorific Values from OLADE (Study from '80)
- 8 countries have their own Calorific Values
- Chile uses the standard Calorific Values from the IEA

- International Bunkers are included as part of transport or exports in most countries
- Transfer flows are not counted in most countries
- Most countries don't disaggregate consumption in the energy sector and economic sectors
- New energy types need to be considered
  - **Dissagregation of oil**
  - **Natural gas liquids**
    - Condensates are considered as part of natural gas production by OLADE methodology
  - **Dissagregation of coal types**



## *Energy prices*

- Two trends identified in LAC
  - Between 1988 and 2006: More reply of the countries, with regular deliveries of information
  - Since 2007:
    - Less countries deliver information
    - Irregularity in the deliveries
    - Missing sectors and energy types

## *Data storage and processing*

- Some countries using Energy Information Systems (SIE - País) developed by OLADE (many request its implementation)

## Needs for developments in energy data in LAC

### 1. **Harmonization of energy balances methodology (with support of IEA)**

- Continue with the ongoing process
- Identify Calorific Values by country
- Capacity building in OLADE and countries

### 2. **Development of energy prices consolidation (with support of IEA)**

- Development of an harmonized methodology for dissemination of energy prices information
- Support countries in compilation and delivery of harmonized information

### 3. **Support countries to reinforce its institutional and legal frameworks**

- Institutionalize Energy Information Committees
- Support in the implementation of proper legal framework for energy statistics

### 4. **Support countries to enhance their data processing environment**

- Support the implementation of National Energy Information Systems

### 5. **Development of new modules in OLADE's sieLAC about**

- Energy prices
- Energy infraestructura
- Energy Efficiency
- Renewables
- Energy poverty
- Gender and Equity





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# Thank you

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