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BIEE indicators in LACs: data collection and dissemination

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Data collection

- As countries had different previous experiences with the BIEE project and to alleviate the work for national teams, the last updating has been organized as follows.

- For **4 countries** that have continued to update their **BIEE data template** (Argentina, Brazil, Mexico, Uruguay), data were directly collected by **national teams**.

- For the **other 10 countries:**
  - **Aggregate data were** collected from **OLADE** and **CEPALSTAT** by **Enerdata;**
  - **More disaggregated** data were collected by **national teams** (e.g. data on equipment and consumption by **end-use** for households, by **mode and vehicle type** in transport, or **by branch** in industry).

- **National teams** are generally representatives of Ministries in charge of energy.

Participating countries: 14 countries covered*

Country	All data updated by National team	Macro data updated by Enerdata	Detailed data updated by national team
Argentina	X		
Bolivia		X	No focal point
Brasil	X		
Chile		X	Work in progress
Colombia		X	Waiting for answer
Costa Rica		X	X
Ecuador		X	Work in progress
El Salvador		X	Work in progress
Mexico	X		
Nicaragua		X	No focal point
Panama		X	X
Paraguay		X	
Peru		X	No focal point
Uruguay	X		

Enerdata

3 Caribbean countries (Barbados, St Lucia and Trinidad and Tobago) and Guyana participated in the second phase of BIEE .

BIEE data mapper: main features

- **All data collected were used to calculate the BIEE indicators in their national data template: the indicators are then disseminated in an on line data base, called " BIEE data mapper"***

- **The data mapper gives access to a selection of indicators showing both the range of values by country on a map and a ranking of countries (bar charts).**

- **Both levels and trends are available.**

- **Key messages and a short analysis is available for each indicator in English and Spanish**

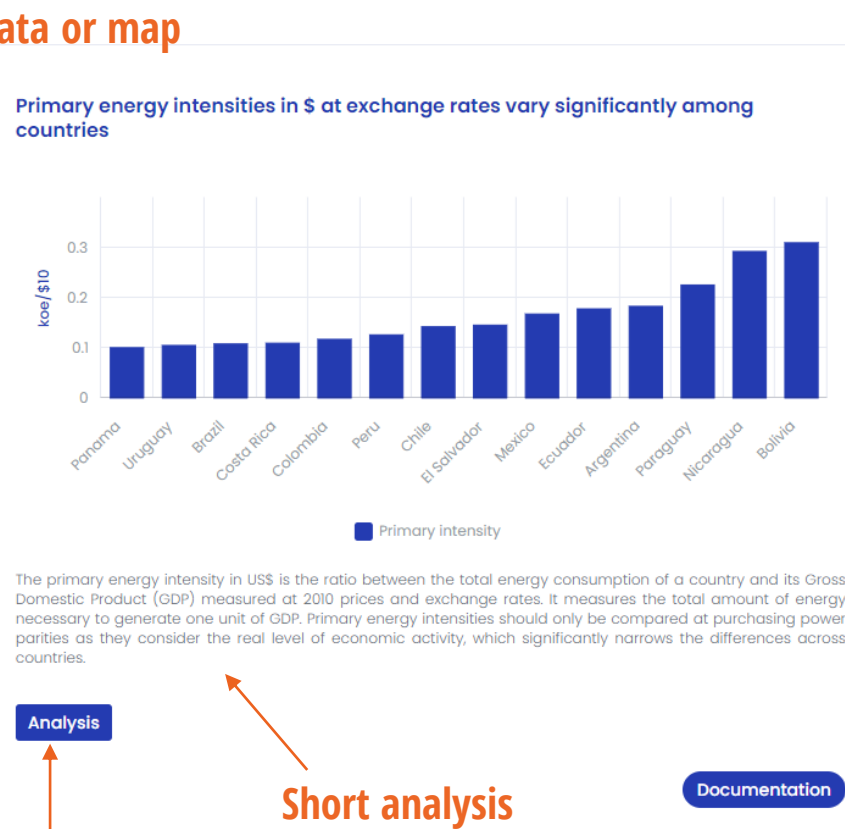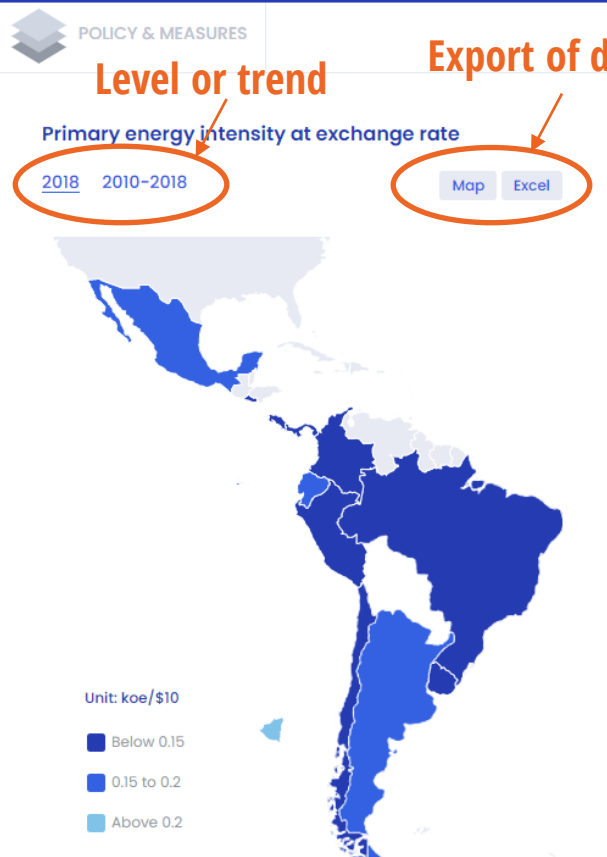- **Possibility to access to some additional indicators to explain the trends observed ("Analysis")**

Enerdata   **https://biee-cepal.enerdata.net/en/datamapper**

BIEE data mapper: main features

Language selection

Level or trend

Export of data or map

Base de Información de Eficiencia Energética

ES / EN

DATA MAPPER

POLICY & MEASURES

Global indicators

Primary intensity

At exchange rate

At purchasing power parities

Final energy intensity

At exchange rate

At purchasing power parities

Ratio final/primary intensity

Renewables

% in TPES

% in gross electricity consumption

% in final energy consumption

Power sector

Industry

Transport

Households

Services

Agriculture

Primary energy intensity at exchange rate

2018   2010–2018

Map   Excel

Unit: koe/$10

Below 0.15

0.15 to 0.2

Above 0.2

Primary energy intensities in $ at exchange rates vary significantly among countries

koe/$10

Panama, Uruguay, Brazil, Costa Rica, Colombia, Peru, Chile, El Salvador, Mexico, Ecuador, Argentina, Paraguay, Nicaragua, Bolivia

Primary intensity

The primary energy intensity in US$ is the ratio between the total energy consumption of a country and its Gross Domestic Product (GDP) measured at 2010 prices and exchange rates. It measures the total amount of energy necessary to generate one unit of GDP. Primary energy intensities should only be compared at purchasing power parities as they consider the real level of economic activity, which significantly narrows the differences across countries.

Analysis

Documentation

Short analysis

Additional indicators and analysis

Enerdata

BIEE indicators 5

BIEE data mapper: overview of content

- **In addition to energy efficiency indicators, which were the core of the project, indicators on renewables (SDG 7.1) and energy access (SDG 7.2) have been added in the third phase.**

- **Users have 2 different entries to consult the data mapper :**
    - **By sector: overall, power, industry, transport, households, services, agriculture**
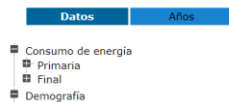   - **By SDG 7 topic: energy efficiency, renewables, energy access**

Sector	Topic
Global indicators ∨	
Power sector ∨	
Industry ∨	
Transport ∨	
Households ∨	
Services ∨	
Agriculture ∨	

Sector	Topic
Energy efficiency overview ∨	
Energy efficiency by sector ∨	
Renewables ∨	
Energy access ∨	

Enerdata

BIEE national data bases: Mexico and Uruguay

- For **2** pilot countries, **a national internet data base** has been developed to enable them to disseminate to a wide public the data collected in their national data template, as well as the indicators developed in the framework of BIEE.

- The format and content have been customised to the countries' characteristics.

- The loading of the Excel data template file **to internet** and adaptation of the data base format (categories, units) is very easy

Example of Uruguay

Example of Mexico

https://biee.miem.gub.uy/site/index.php

Online demonstration

https://biee-cepal.enerdata.net/datamapper