

The BIEE Programme

in Latin America and the Caribbean

Andrés Schuschny Ph.D.

Natural Resources and Energy Unit

Energy End-Use Data and Energy Efficiency Metrics Initiative
First Meeting



UNITED NATIONS

ECLAC

12th December 2016

BIEE Programme

(B_{ase} de I_{ndicadores} de EE)



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ODYSSEE – MURE Initiative

- ODYSSEE: the BEST regional implementation strategy of an EE indicators database
- Implemented by ADEME in 29 + 1 EU countries
- Web: <http://www.odyssee-indicators.org/>
- MURE: A description of different policies and programs on EE implemented by EU countries



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Development Account

ROA 234/8

- *"Towards a Low Carbon Economy in Latin America: Policy Options for Energy Efficiency and Innovation" 2012 – 2015*



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Cooperation Programme CEPAL - BMZ/GIZ

- *“Structural change for sustainable and inclusive development in Latin America and the Caribbean”*



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Technical cooperation agreement with the ADEME

- *“Technical Assistance in the production, management and analysis of Energy Efficiency Indicators in some Latin American countries”*



BIEE Programme: Objectives

- **Develop a database to assess policies and programs** on EE in the participant countries
- **Promote capacity building** on EE indicators and incorporate knowledge within the national energy authorities
- Define a **common baseline** based on available information
- Motivate the maturity in the implementation of EE policies and programs based on monitoring, measure and standardization
- Promote the **comparability** (at the aggregate and sectoral level) to improve
- **Enhance regional coordination** on EE issues in the regional and global agenda.



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BIEE Programme participants:

- **Programme management:** ECLAC
- **Technical management:** Technical coordination Committee (ECLAC – ADEME) + ENERDATA
- **Operative structure:** Technical Coordination Committee + National coordination by means of the **National Teams / Focal points.**
- **19 Countries participating (all LA):**
 - ✓ **South America:** Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, Paraguay, Peru, Uruguay and Venezuela
 - ✓ **Mesoamerica:** Costa Rica, El Salvador, Guatemala, Honduras, México ,Nicaragua, Panamá, Dominican Republic, Cuba



BIEE Programme: Process / Activities

1. **Governments commitments / designation of a Focal Point**
2. **Capacity Building Workshops** (presentation of the indicators' template, introduce the data compilation process, estimations and calculations, selection of indicators)
3. ***Decentralized data collection process*** (based on available information) (National consultants if needed)
4. **National database**
5. ***Reporting including analysis and trends comparison: National Report on EE Monitoring***
6. **Website + regional network of officers and experts**
7. **Regional Meetings / International Event**



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PROGRAMA BIEE

Base de indicadores de Eficiencia Energética



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<http://www.cep.al.org/drni/biee>

Data Mapper

<http://www.biee-cepal.enerdata.eu/>



BIEE - Base de Indicadores de Eficiencia Energética



Global indicators

Power sector

Industry

Transport

Households

Services

Agriculture

Primary energy intensity at exchange rate

2012 2000/2012

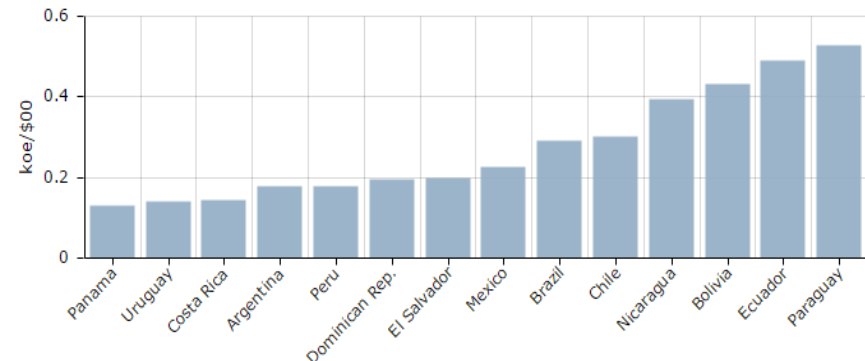
Map

Excel



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

2012 *



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 2000 prices and exchange rates. It measures the total amount of energy necessary to generate one unit of GDP. Uruguay, Panama and Costa Rica have the lowest energy intensities. Bolivia and Ecuador, countries that are larger producers and transformers of energy, require four times more energy to generate one unit of GDP than Uruguay, as Paraguay that is a large user of biomass with a low efficiency. However intensities at purchasing power parities are more relevant for comparisons.

Advanced indicators

* Last year available depending on countries.

INFORME NACIONAL
DE MONITOREO DE LA
EFICIENCIA ENERGÉTICA
DE LA REPÚBLICA
ARGENTINA, 2014



INFORME NACIONAL
DE MONITOREO DE LA
EFICIENCIA ENERGÉTICA
DE LA REPÚBLICA DE
CHILE, 2014



INFORME NACIONAL DE MONITOREO DE LA EFICIENCIA ENERGÉTICA DEL BRASIL



RELATÓRIO NACIONAL DE MONITORIZAÇÃO DA EFICIÊNCIA ENERGÉTICA DO BRASIL



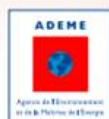
INFORME NACIONAL DE MONITOREO DE LA EFICIENCIA ENERGÉTICA DE **NICARAGUA**



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INFORME NACIONAL DE MONITOREO DE LA EFICIENCIA ENERGÉTICA DE EL SALVADOR, 2016



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CEPAL



Comisión Nacional de Energía

GOBIERNO DE
EL SALVADOR
UNÁMONOS PARA CRECER

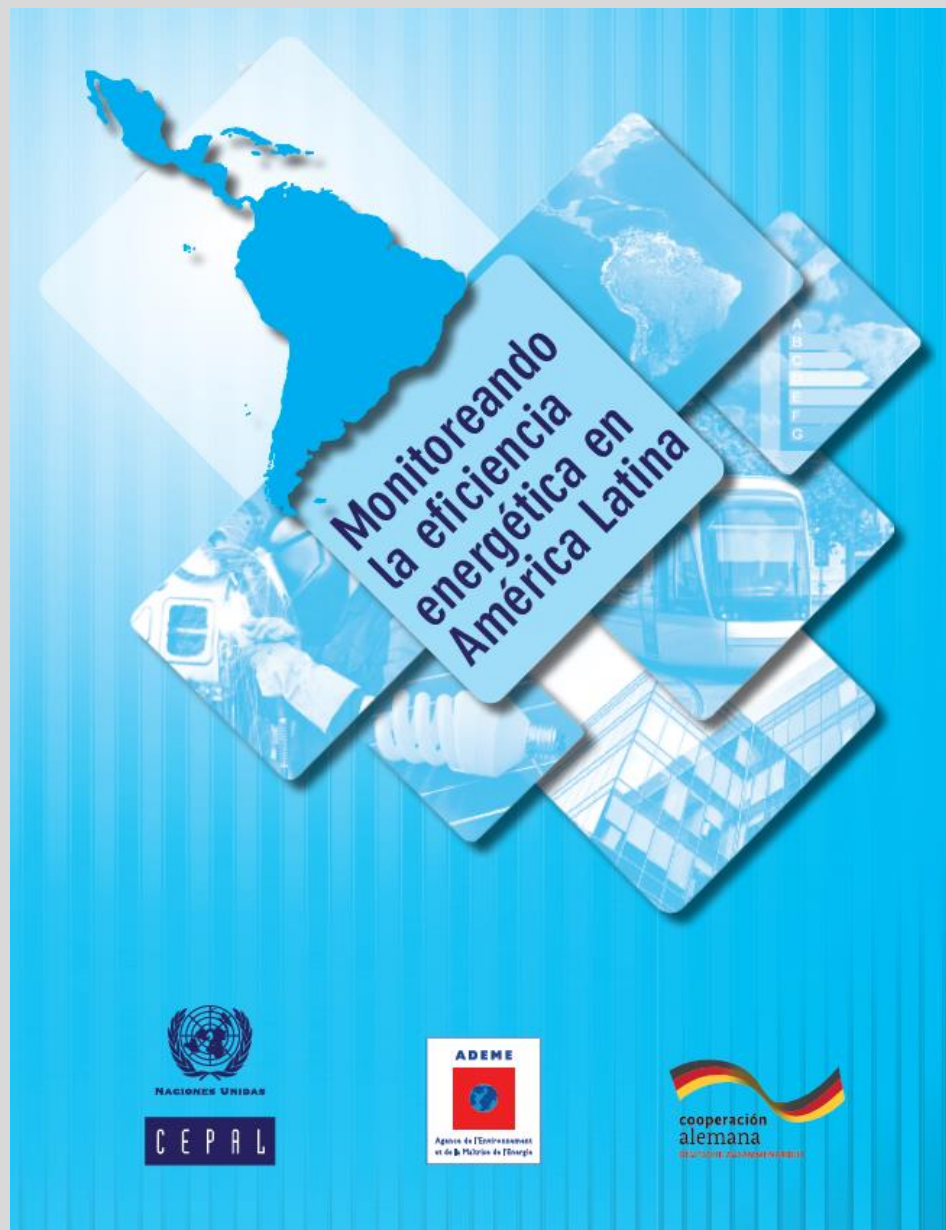


Agencia de Eficiencia Energética y Medio Ambiente



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<http://kcy.me/2e9mk>

Activities performed

- Almost 140 experts and officers participated in the activities
- 16 regional workshops
- 2 Regional (Cartagena & Rio) and 1 International Meeting (ADEME / France)
- Dedicated sessions in the last 5 Regional Political Dialogues on EE
- 2 European technical tour visiting GLZ, IEA, ADEME, WEC, InterSolar, etc.
- 14 national consultants hired
- Web, Social Network, DataMapper



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Regarding End-Uses Data

- ECLAC recommend to their member states the end-use data compilation for energy planning and so on but it's calculation is costly and need International cooperation support.
- Under the BIEE Initiative most of the participating countries use partially end – uses data, but not systematically.
- SE4ALL / SDG Access Pillar: we are starting to use household / multipurpose / life conditions surveys to analyze: Affordability in access.
- This will be an opportunity to compile information about where LAC are and how can this surveys be improved in the area of end use energy information.



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Thank you

andres.schuschny@cepal.org

Natural Resources and
Infrastructure Division
ECLAC – United Nations



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