



Third meeting of the BIEE-ROSE Project on Energy
Efficiency and SDG7 monitoring in Latin America
and the Caribbean
Virtual conference July 6th 2021

Overview of BIEE Energy Efficiency Policy Data Base for LACS

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Online Policy Data Base

Overview of BIEE Policy Data Base

- The BIEE policy data base compiles all existing policy measures in LACs related to energy efficiency, energy access and end-use renewables*.
- Policy measures can be queried:
 - by **key words** (e.g. “energy poverty”);
 - by **sector**;
 - by **type** : e.g. mandatory information, regulation (i.e. obligation), financial (e.g. subsidies), fiscal (taxes), etc.
- Additional **filters** can be used for a more refined query, with a search :
 - By measure **sub-type**: e.g. for regulation: minimum energy efficiency standards, obligation for large consumers (e.g. mandatory audits).
 - By **end-use** or type of appliance.
- Queries can be done in English <https://biece-cepal.enerdata.net/en/measures> or Spanish <https://biece-cepal.enerdata.net/es/medidas>

* Measures on the promotion of renewables in the power sector are not included, as already well documented

Public interface: example of query of measures

- Search of measures by **sector** (households here), **country** (Chile, Uruguay, Brazil) and measure **type/ sub type** (mandatory information/ energy efficiency labels).

The screenshot displays the Enerdata public interface for searching measures. On the left, there are search filters: a search bar, Sector (Households), Country (Chile, Brazil, Uruguay), Measure type (Mandatory energy efficiency labels), and End use (Select...). A blue button with a toggle icon is circled in orange. On the right, there are 'More detail' and '8 measures found' options, and an 'Export' button also circled in orange. Below these is a table of results with columns for Country, Sector, and Title. A blue arrow points from the circled toggle button to the table.

COUNTRY	SECTOR	TITLE
Chile	Households	Refrigerator Labeling and MEPS
Chile	Households	Ovens Labeling
Chile	Households	Vacuum Cleaner Labeling
Chile	Households	Air conditionners Labeling
Uruguay	Households	Energy Efficiency Labelling – Domestic electric storage water heaters
Uruguay	Households	Energy Efficiency Labelling – Refrigerators
Uruguay	Households	Energy Efficiency Labelling – Air conditioners and heat pumps (domestic or similar use) up to 6kW of cap./m
Uruguay	Households	Energy Efficiency Labelling – Compact Fluorescent Lamps (CFLs)

Table

- By clicking on a button, possibility to enlarge the result table

Query of measures with more options

- As an option, measures can also be filtered:
 - by target i.e. to whom they are addressed (e.g. general public, SME's, public sector, low income households, public buildings in services, modal shift in transport)
 - by status (i.e. ended, ongoing or planned)
 - by period,
 - by qualitative impact in terms of energy savings (high, medium or low).

The screenshot shows a web-based query interface for measures. It includes several filter sections: 'Country' with selected options 'Chile', 'Brazil', and 'Uruguay'; 'Measure type' with 'Mandatory energy efficiency labels'; 'End use' with a 'Select...' dropdown; a 'Search' button; a 'Clear all' button; a '- Less options' link; 'Target' with 'General public'; 'Status' with 'All'; 'Starting year' with input fields for '2000' and '2010' and a 'Clear' button; and 'Semi quantitative impact' with 'High'. Arrows from the text on the left point to these specific filter elements.

Query of measures: display of more details

- By clicking on the title of any measure displayed in the table, it is possible to get more details on each measure (see above example of refrigerator labeling in Chile).
- And then to display a detailed description by clicking on a button
- Possibility to export the **measures description as PDF** (top right-hand corner).

Refrigerator Labeling and MEPS

Measure Code **Country**
HOU-CHL0028 Chile

Short description :
Energy efficiency labeling is a policy aimed at providing information to consumers so that at the time of purchase they can compare and select more efficient items. Having more efficient appliances means less energy consumption for the user, which in turn translates into lower electricity bills and a lower environmental impact due to lower greenhouse gas emissions. Energy consumption labels allow the consumer to make a more reasoned choice about the products they buy.

Reference :
https://www.sec.cl/transparencia/docs2015/Resolucion_74.pdf

Status	Issuing date	Starting date	Ending date	Semi quantitative Impact
Ongoing	2006	2007		High

Types :
Mandatory energy efficiency labels - Labels for electrical appliances

Target :
General public

End Use :
Refrigerators

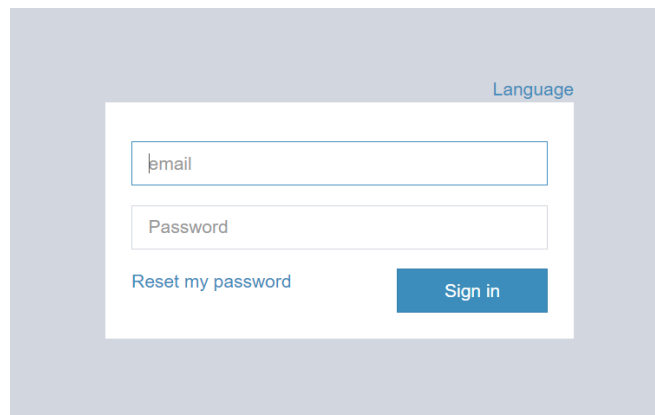
[+ View Detailed Measure Description](#)

Export

How to input the BIEE Policy Data ?

- The BIEE policy data base is updated by national focal point through a **private interface** accessible with a password:

<https://biee-cepal.enerdata.net/admin/login>

A screenshot of a login interface. At the top right, there is a 'Language' dropdown menu. Below it are two input fields: 'email' and 'Password'. Under the 'email' field is a link that says 'Reset my password'. To the right of the 'Password' field is a blue button labeled 'Sign in'.

If you do not have any password yet, please contact Enerdata

- National focal points input the measure in one of the two languages **English or Spanish** and can later modify the measures.
- **User guide** to help you to categorize the measures and to use the platform.

BIEE Policy Data Base quality check

- The **translation** of main characteristics is done by Enerdata.
- Enerdata prepares **reports of comments** to suggest:
 - additional information,
 - changes of categories in case of wrong classifications,
 - missing important measures, etc.
- Once validated, the measures are published in the public data base by Enerdata.

Example of quality check report

Quality control report of policy measures – México

Date : 02/06/2021

Medidas que faltan por ingresar

Horizontal

- Comisión Nacional de Conservación de Energía

Comentarios sobre medidas ingresadas

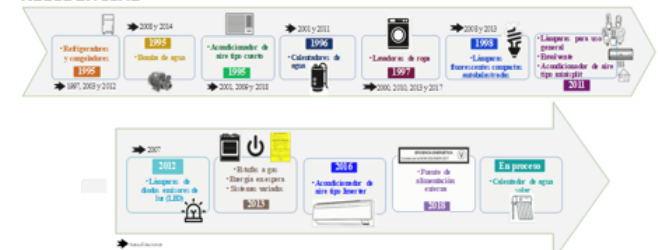
▲ Hogares

- Sobre las políticas sobre etiquetado y norma de los electrodomésticos: se tendría que repetir la medida 2 veces y no solo una porque sino cuando un país quiera ver cuales son los países que tienen medida con etiquetado (obligatorio?) pues no vera a México. Lo que recomendamos es crear 2 medidas:

- Una **medida sobre las normas** donde aquí se explica sobre los aspectos de la norma (el nivel por ejemplo). En esa medida, sería interesante añadir en la descripción general información sobre el **numero** y la lista de los equipamientos cubiertos por las normas.

También Bruno sugiere añadir esa información y esos gráficos:

FIGURA VIII.10. LÍNEA DE TIEMPO DE INCORPORACIÓN Y REVISIÓN DE NORMAS DE EFICIENCIA ENERGÉTICA DE EQUIPOS Y SISTEMAS CONSUMIDORES DE ENERGÍA EN EL SECTOR RESIDENCIAL



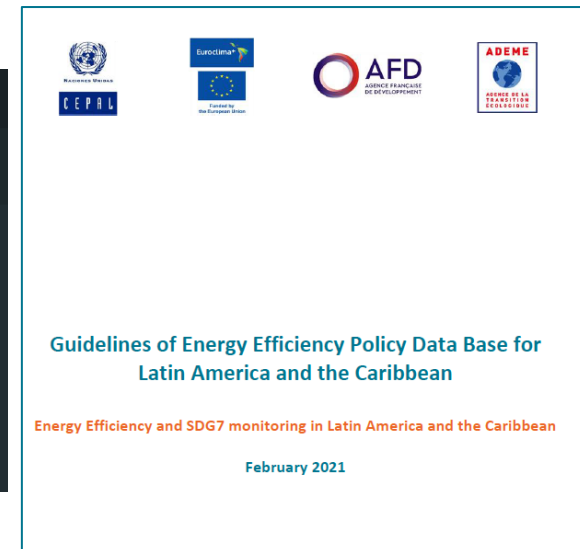
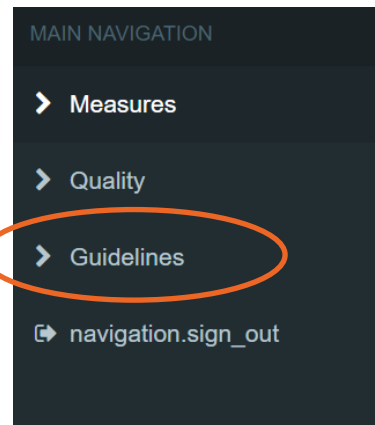
Al cierre de 2015 están disponibles tecnologías eficientes en el mercado nacional que cuentan con una NOM-ENER, y son usadas en el 86.3% de los usos finales del sector residencial. La Figura VIII.9 muestra las fuentes de energía y los usos finales, considerando que los refrigeradores representan 5.7% del total y en la distribución están contabilizados en equipos eléctricos.

BIEE Policy Data Base: new features since last meeting (January 2021) (1/3)

- New types of measures to fit with Latin American context (e.g. pilot projects, voluntary labelling, etc.)
- New design to be homogeneous with data mapper

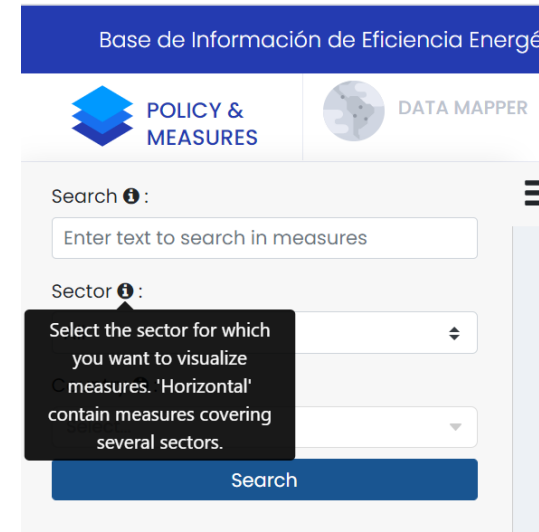


- User guide updated and now available in the private interface (ENG & SPA)

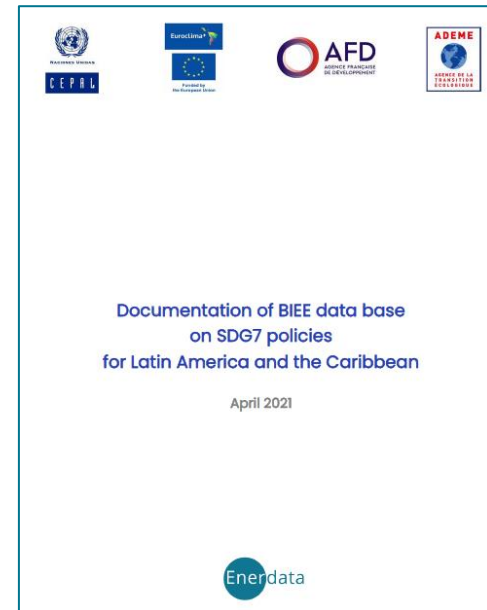
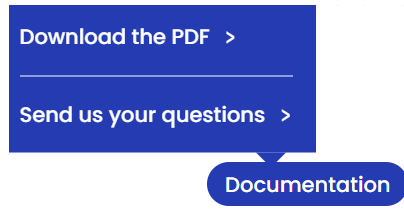


BIEE Policy Data Base: new features since last meeting (January 2021) (2/3)

- Help for Data Base users



- Documentation of the Data Base with classifications, sources and examples of use



BIEE Policy Data Base: new features since last meeting (January 2021) (3/3)

- Common homepage for the **BIEE website**: data mapper, policy data base (and other tools to come)

ES / EN

BIEE

Base de Información de Eficiencia Energética

Database developed by ECLAC with the support of the French Agency for Ecology Transition (ADEME) and Enerdata with funding from the French Development Agency (AFD) to promote the evaluation of Energy Efficiency in Latin America and the Caribbean.

POLICY & MEASURES

The database includes policies and measures in Latin American and Caribbean countries, which aim at the improvement of energy efficiency and the promotion of renewables in end-use sectors (households, industry, transport and services), as well as improving the access of households to energy.

[Policy & measures](#)

DATA MAPPER

The data mapper includes more than 60 indicators covering the OSD7 aspects. Through the map, graphs and accompanying text, it provides an analysis on the level and trends of the indicators by comparing the Latin American and Caribbean countries.

[Data Mapper](#)

<https://biece-cepal.enerdata.net/>

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ADEME AFD ECLAC European Union

Online demonstration

<https://biece-cepal.enerdata.net/measures>

Status of Policy Data Base

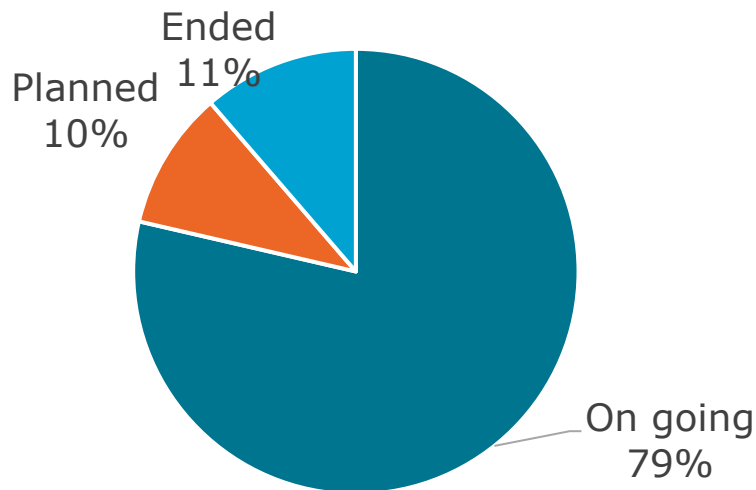
Status of BIEE Policy Data Base

- Measures have been input by national focal points in 12 countries.
- For 3 countries without focal points (Bolivia, Nicaragua, Peru), Enerdata has input measures based on a literature review.
- For some other countries, we are still expecting some inputs (e.g. Colombia, Guatemala, Dominican Republic, Caribbean Countries).
- The focal point name and the source of measures are documented in the Documentation of the Data Base



Status of BIEE Policy Data Base

- The data base contains 165 measures, of which 131 are on going, 16 are proposed and 18 are ended.



	On going	Planned	Ended	Total
Argentina	13	1	2	16
Brazil	22		2	24
Bolivia	3			3
Chile	8		1	9
Costa Rica	21			21
Ecuador	5			5
El Salvador	2		1	3
Guyana	2		1	3
Honduras	2	13	1	16
Mexico	22		1	23
Nicaragua	4		3	7
Panama	5			5
Paraguay	3	1	1	5
Peru	5		3	8
Uruguay	14	1	2	17
Total	131	16	18	165

BIEE Policy Data Base: next steps

- For some countries, Enerdata will send an **update of the quality report** following a systematic analysis done in June → further comments and suggestions for measures to be added
- Focal points are invited to include the **missing important measures** in the platform and to update the existing measures if needed
→ **This should be done before July 31st in order to be included in the synthesis report on policies**

July 7: Updated quality reports sent by Enerdata

August: Regional report on OSD7 policies



July 31: Missing measures added and corrections done by National Teams

- **For countries that have not yet input measures:** it is **still time** to do it if you want your country to **be included in the data base.**

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Enerdata



Enerdata is an energy intelligence and consulting company established in 1991. Our experts will help you tackle key energy and climate issues and make sound strategic and business decisions. We provide research, solutions, consulting and training to key energy players worldwide.