







Introductory Training for the BIEE-ROSE Project on Energy Efficiency and SDG7 monitoring in Latin America and the Caribbean Virtual conference January 28th 2021

Overview and status of the Energy Efficiency Policy Data Base for LACS

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Overview of BIEE policy data base



Overview of BIEE Policy Data Base

- The objective of the BIEE policy data base is to compile all existing policy measures in LACs related to energy efficiency, energy access and end-use renewables*.
- To be easily retrieved through queries, policy measures are classified :
 - by sector
 - by type: e.g. mandatory information, regulation (i.e. obligation), financial (e.g. subsidies), fiscal (taxes)...
 - and sub-type: e.g. for regulation: minimum energy efficiency standards, obligation for large consumers (e.g. mandatory audits).
 - according to their targets, i.e. to whom they are addressed (e.g. SME's in industry, low income households for households, public buildings in services, modal shift in transport,...
- This corresponds to descriptors that have to be specified to characterise the measures.

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



Measure types

Each measure is characterised by its type and sub type

Measure type	Sub types
Mandatory information	Mandatory labels/ energy efficiency certificatesMandatory audits
Regulation	 Minimum Efficiency standards for buildings, for electrical appliances, vehicles Other regulations (energy management obligations, installation of solar)
Financial	SubsidiesSoft loans
Fiscal	Tax reduction on efficient vehicles, appliancesEco-Tax
Information/training	 Information campaigns; information centres Voluntary labelling; voluntary audits Promotion of EE practices (public transport, behaviour)
Others	 Energy saving or renewables obligation Technology procurement Agreements , awards
Programme	General programmes (covering the whole sector) or all sector (for horizontal sector)

Summary of descriptor of measures in BIEE policy data base

Sector	5 sectors: households, industry, transport, services, horizontal,
Types	7 main types: mandatory information, regulations, financial, fiscal, information, others, sectoral programmes
Sub-types	~100 sub types :horizontal 14), households (17), services (24), industry (19), transport (25)
End-uses	~30 end-uses: households (12), services (6), industry (5), transport (5)
Targets	~20 actors: households (6), services (6), industry (5), transport (5)
Status	On going, planned, terminated
Other descriptors	Overview Impact evaluation (savings, cost) Detailed description References



BIEE Policy Data Base consists of 2 interfaces

- BIEE policy data base is made of two interfaces :
 - A public interface to query policies and measures, freely accessible to anybody: https://biee-cepal-measures.enerdata.net/energy-efficiency-policies-database.html
 - A private interface for national experts to input or modify the measures accessible with a password
- BIEE policy data base is bilingual English/Spanish (language selection on home page):
 - Menu in Spanish if Spanish selected and vice versa.
 - Input by national experts in Spanish or English (translation of main characteristics to be done by Enerdata).



Public interface



The public interface: query of measures

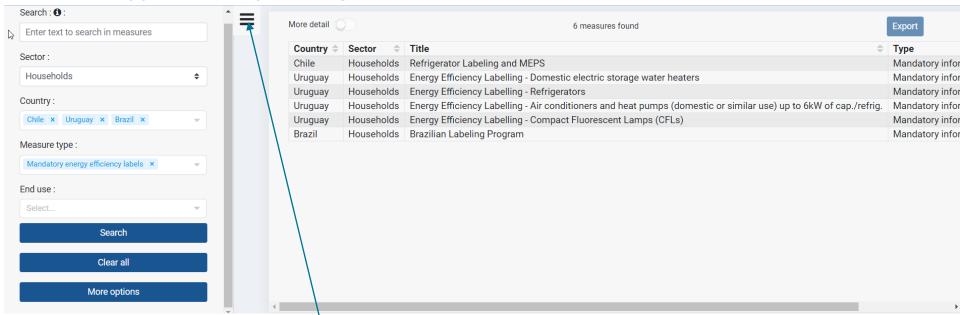
- Measures can be searched by key words (e.g. "energy poverty") or by sector and/or by country
- Measures can then be filtered by type (or sub type) and/or by end-use.
- The results of a query are displayed in a table specifying the country, sector, title, measure type and starting year.
- This table can be exported on Excel.



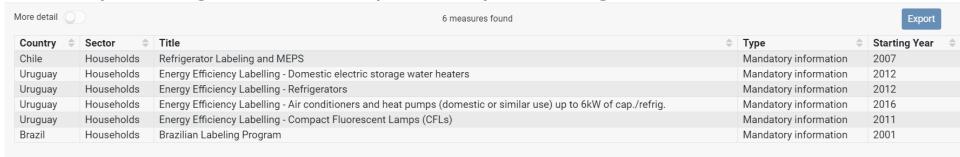


Public interface: example of query of measures

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



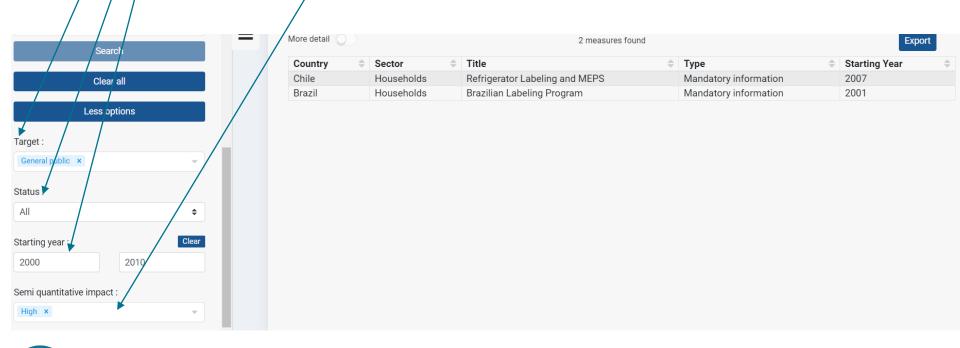
By clicking on a button, possibility to enlarge the result table





Query of measures with more options

- As an option, measures can also be filtered:
 - by target (e.g. general public, SME's, public sector),
 - by status (i.e. ended, ongoing or planned)
 - by/period,
 - by qualitative impact in terms of energy savings (high, medium or low).





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 below 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.

Country: Chile Refrigerator Labeling and MEPS Title: Short description: El etiquetado de eficiencia energética es una política orientada a entregar información a los consumidores para que al momento de la compra puedan comparar y selecciónar artículos más eficientes. Contar cor artefactos más eficientes significa para el usuario menor consumo de energía, lo que a su vez se traduce en cuentas de electricidad más bajas y una menor incidencia Ámbiental debido a menores emisiones de gases de efecto invernadero. Las etiquetas de consumo de energía, le permiten al consumidor hacer una elección más razonada sobre los productos que compra. Reference: https://www.sec.cl/transparencia/docs2015/Resolucion_74.pdf Status **Ending date** Semi quantitative Impact Issuing date Starting date Ongoing 2006 2007 Hiah Types: Mandatory energy efficiency labels - Labels for electrical appliances Target: General public End Use: Refrigerators



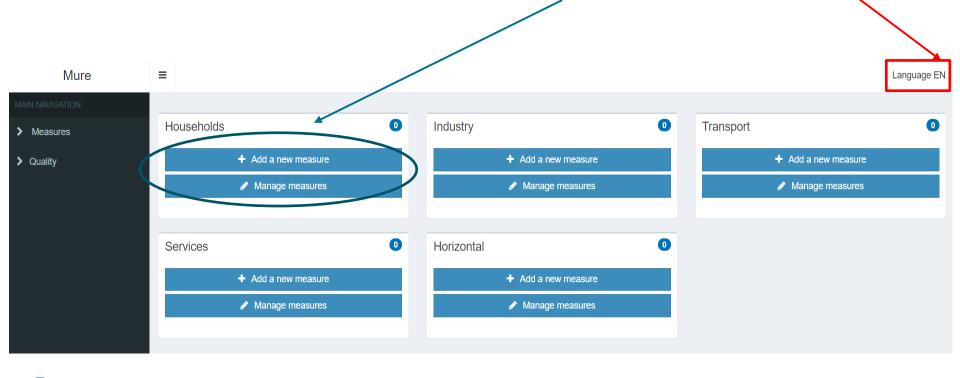
Refrigerator Labeling and MEPS - Measure Detail

Private interface



Private interface: general content

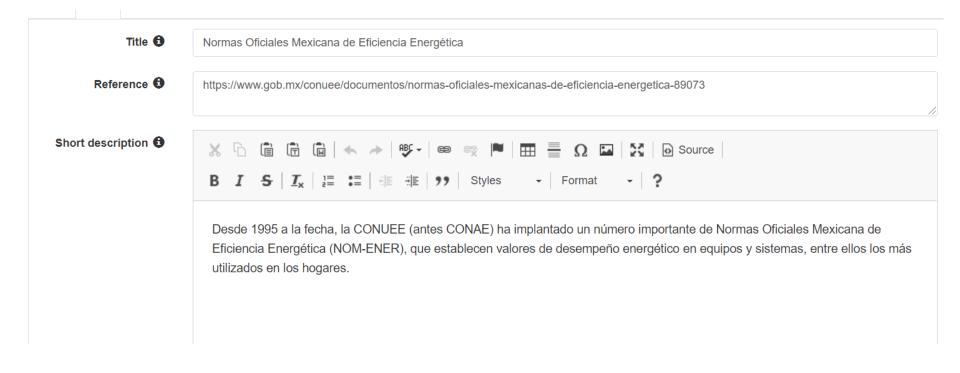
- To input a measure in the data base, you have to access the "private" interface protected by a password.
- By default a language will be selected depending on your country, which can be changed with a button.
- This interface also allows to modify an existing measure
- Click on the sector and action required (add or manage).





Private interface: adding a measure (1/3)

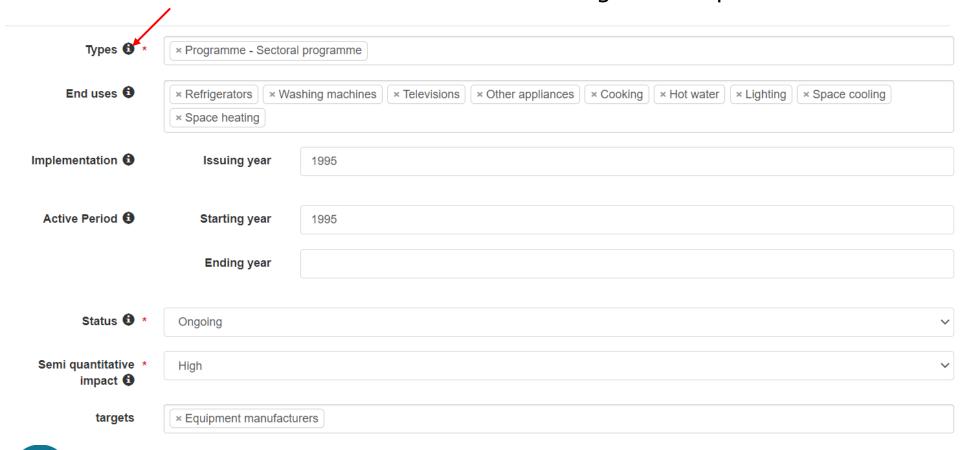
- First write the title which should be short to be easily displayed in the table in the public interface.
- Second include a reference : link to a web site
- Third provide a short description (1 to 5 lines) (example of norms in Mexico below).
- So far only this part is translated





Private interface: adding measures'characteristics (2/3)

- To characterise the measure (type, end-use, status, impacts and targets) you have to select among the categories proposed (drop list) and input the date for the active period.
- Information button to remind the meaning of each parameter.

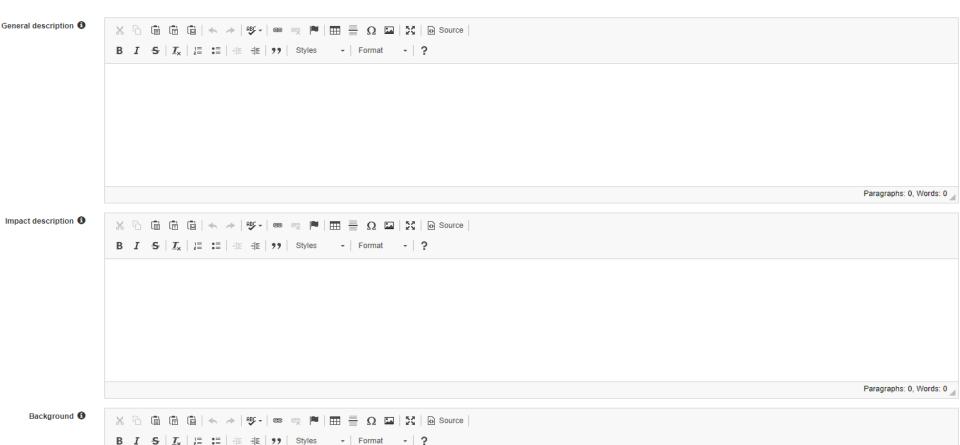




Private interface: detailed description of the measure (3/3)

The measure has then to be described in more details in 3 categories:

- General description to provide more details on the measure; you can insert graphs, pictures (picture of label)
- Impact description to indicate what is the impact (expected or measured from data or evaluations studies: amount of energy/GES saved, number of equipment sold etc...
- Background: why was it implemented? Link to other measures, etc...



Status of BIEE policy data base



Status of BIEE Policy Data Base

- The software of the BIEE policy database in LACs has been adapted from the MURE policy database for Europe* by Enerdata from July to September 2020.
- It has been tested by 4 volunteer countries, that we warmly thank: Brazil, Chile, Mexico and Uruguay

	Brazil	Chile	Mexico	Uruguay	Total
Horizontal	2	2		6	10
Households	2		1	4	7
Services			2	2	4
Industry	2			2	4
Transport	1	1		2	4
Total	7	3	3	16	29

Enerdata

^{*}MURE contains over 2000 energy efficiency measures https://www.measures.odyssee-mure.eu/energy-policies-database.html#/

Status of BIEE policy data base: overview of measures

- The pilot test showed a majority of measure on mandatory information (i.e. energy efficiency labels) and overall programmes (9 each), followed by financial measures.
- Others include an important measure in Uruguay: the energy efficiency certificates.

	Brazil	Chile	Mexico	Uruguay	Total
Mandatory information	2	2	1	4	9
Regulation			1	2	3
Financial			1	4	5
Information	1				1
Programme	4	1		4	9
Others				2	2
Total	7	3	3	16	29



Status of contacts for BIEE Policy Data Base

Country	First contact	Participation confirmation
Argentina	18/11/2020	Y
Barbados	14/12/2020	
Bolivia		
Brasil	20/11/2020	Υ
Chile	05/11/2020	Y
Cuba	14/01/2021	Considered
Colombia	18/11/2020	Considered
Costa Rica	04/12/2020	
Ecuador	07/12/2020	Y
El Salvador	18/11/2020	
Guatemala	07/12/2020	
Guyana	15/12/2020	Υ
Honduras	07/12/2020	
Jamaica	14/12/2020	
Mexico	20/11/2020	Y
Panama	04/12/2020	Y
Paraguay	15/12/2020	Υ
Peru		
Rep. Dominicana	15/12/2020	
Trinidad & Tobago	16/12/2020	
Uruguay	20/11/2020	Υ



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