



International  
Energy Agency

# IEA Capacity building activities End-use and activity data

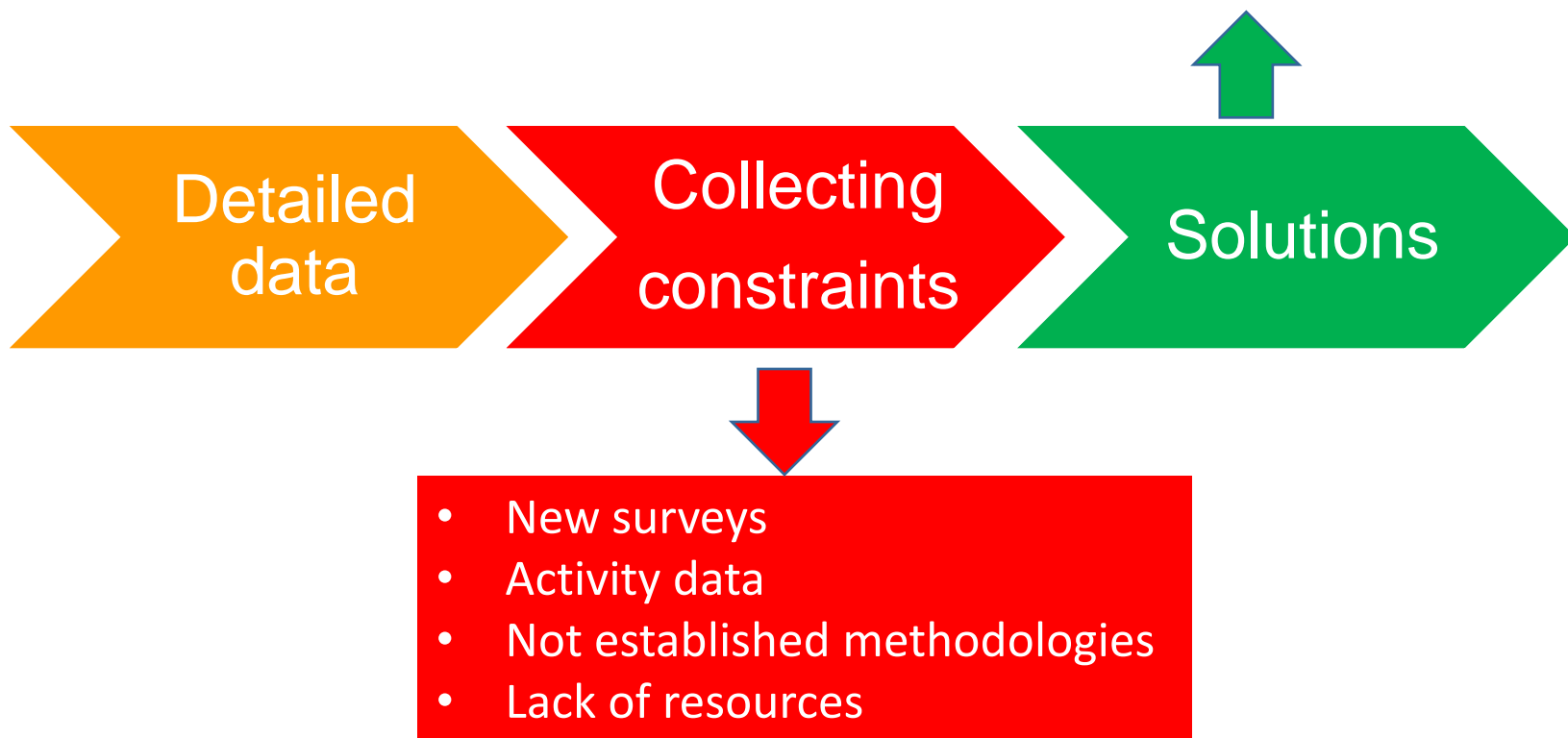
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IEA, Energy Data Centre

*2016 InterEnerStat Energy efficiency and end-use data workshop  
13-14 December 2016, Paris*

# To study Energy Efficiency

- International cooperation
- Raising the importance of EE data
- Capacity building



# IEA work to improve EE data

Assessing data quality

Trainings and Webinars

EE indicators manuals

Practices databases online

# Trainings, Webinars, Workshops

- 2 annual statistics training events
- Policy/technical events (e.g. IEA E4)
- Webinars (e.g. Mexico, etc.)
- Regional events in cooperation with partners (APEC, AFREC, UNSD etc.)

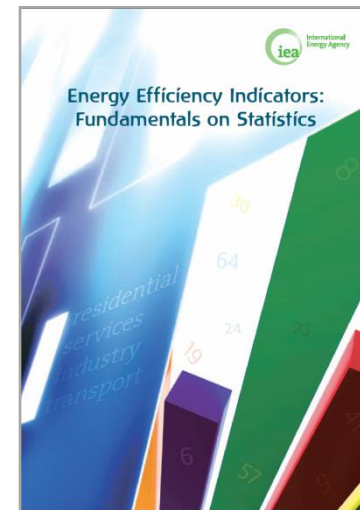


# The energy efficiency indicators manuals

- **Fundamentals on statistics:**

*How to collect the EE indicators data ?*  
plus a compilation of existing practices

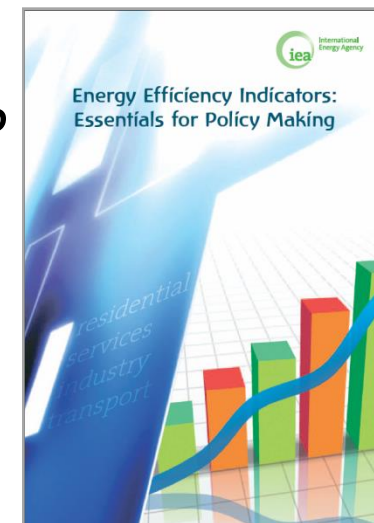
<http://bit.ly/1RUqUkb>



- **Essentials for policy makers:**

*How to develop and interpret EE indicators?*

<http://bit.ly/1stibAN>

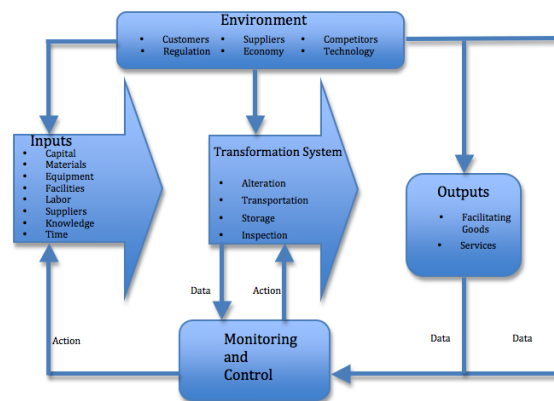
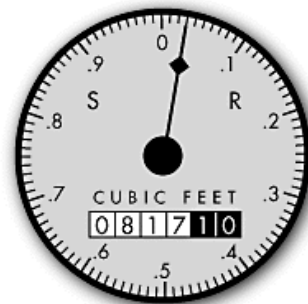


**Free on the IEA website  
in different languages**



# Manual: how to collect data

- Administrative sources
  - before starting new data collection
- Surveys
  - possibly expanding existing surveys
- Metering and measuring
  - costly but effective for specific equipment efficiency
- Modelling
  - complementary to surveys or stand alone

# Country practices database

## Energy Efficiency Indicators Statistics: Country Practices Database

supplement to the publication *Energy Efficiency Indicators: Fundamentals on Statistics*, this database provides energy efficiency indicators from a variety of OECD Members and non-Members.

Practices are searchable by country and territory, sector, methodology and type of available documents. The database also provides links to various national administrations work.

Countries and territories	Sector	Methodology	Available content
<input type="checkbox"/> Albania <input type="checkbox"/> Australia <input type="checkbox"/> Austria <input type="checkbox"/> Belgium <input type="checkbox"/> Bosnia and Herzegovina <input type="checkbox"/> Brazil <input type="checkbox"/> Bulgaria	<input type="checkbox"/> Industry <input checked="" type="checkbox"/> Residential <input type="checkbox"/> Services <input type="checkbox"/> Transport	<input type="checkbox"/> Administrative sources <input type="checkbox"/> Measuring <input type="checkbox"/> Modelling <input checked="" type="checkbox"/> Surveying	<input type="checkbox"/> methodology <input type="checkbox"/> project web site <input type="checkbox"/> questionnaire <input type="checkbox"/> report <input type="checkbox"/> results

- Practices in surveying, administrative sources, modelling and metering across sectors
- Questionnaires and other material available
- Links to various national administrations work

Energy Efficiency Indicators Statistics: Country Practices Database

26 results found  
(Tip: sort columns by clicking on the column header)  
Perform another search

Filter:

PRACTICE	COUNTRIES AND TERRITORIES	SECTOR	METHODOLOGY	AVAILABLE CONTENT
R/Su/01	Albania	Residential	Surveying	questionnaire
R/Su/02	Austria	Residential	Surveying	methodology, questionnaire, results
R/Su/03	Belgium	Residential	Surveying	report
R/Su/04	Portugal, Belgium, Bulgaria, Czech Republic, Denmark, France, Germany, Greece, Hungary, Italy, Norway, Romania	Residential	Surveying	methodology, project web site, questionnaire, report, results
R/Su/05	Canada	Residential	Surveying	project web site, questionnaire
R/Su/06	China	Residential	Surveying	
R/Su/07	China	Residential	Surveying	
R/Su/08	Croatia	Residential	Surveying	
R/Su/09	Croatia	Residential	Surveying	report
R/Su/10	Bosnia and Herzegovina	Residential	Surveying	report, questionnaire, results

Information for country practice (R/Su/05)

Background	
Country	Canada
Sector	Residential
Methodology	Surveying
Organisation	Natural Resources Canada
Name	Survey of Household Energy Use (SHEU)
Purpose	To determine total residential energy consumption To determine residential appliances energy consumption To collect residential appliances diffusion To collect household energy expenditure To collect dwelling physical characteristics To collect household occupant characteristics
Data collection	
Sample design	Stratified random sampling approach
Sample sources	The respondents for the households and the environment survey (HES) were part of the community health survey (CHS) who were interviewed for the CHS. The response rate of the HES to get the SHEU.
Sample/Population size	21 690 / 12 932 350
Response rate	45%
Time to complete	60 minutes
Mandatory	No
Incentive	None

Natural Resources Canada  
www.nrcan.gc.ca

Office of Energy Efficiency (OEE)  
For Personal Use  
For Business Use

Energy Use Inside and Outside the Dwelling - 2007 Survey of Household Energy Use - Supplemental Report

Appendix B.  
Questionnaires  
Energy use inside the dwelling  
Energy use outside the dwelling

Section: Sport recreation vehicles / Outdoor equipment  
Have you / Has anyone in your household owned any of the following recreational vehicles in the last 12 months?

... All-terrain vehicle (ATV)  
... Snowmobile  
... Dirt bike or motocross motorcycle

<http://www.iea.org/eeindicatorsmanual/>

An example of how to benefit from each other's work

## **As end-use data are vital, cooperation activities could cover:**

- Sharing good practices
- Developing an international energy efficiency data collection system
- Delivering targeted trainings
- ... Others ...