energy
Department:
Energy
REPUBLIC OF SOUTH AFRICA

International
Energy Agency

Session 9: Developing monitoring and evaluation plans

Charles Michaelis and Mafalda Silva

Pretoria 16 October 2019

Baseline Exercise

- Where are we starting from?
- What data do you need?
- Where will it come from?

Develop a monitoring and evaluation plan

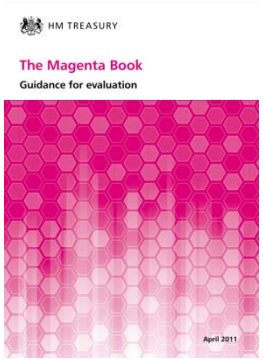
- Working in groups
- Things to consider:
  - What policy will you monitor and evaluate?
  - What is the purpose of the evaluation?
  - Who will use the results, what will they use them for?
  - What is the policy theory of change?
  - What else might have an effect on the outputs, outcomes and impacts?
  - What evaluation questions will help you to understand progress and impacts?
  - What indicators are needed?
  - What are the data sources /Where will the evidence come from?
  - What challenges you expect?
  - What will you do next?
- Prepare a 10 minute presentation to report back to the group

Useful evaluation resources

www.betterevaluation.org

https://www.gov.uk/government/publications/the-magenta-book

www.energy-evaluation.org



BetterEvaluation
Sharing information to improve evaluation

ENERGY EVALUATION

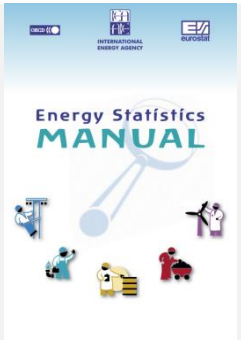
energy
Department:
Energy
REPUBLIC OF SOUTH AFRICA

Resources on Energy Statistics

The IEA produced a comprehensive Energy Statistics Manual covering most of our data collection methodologies, consistently with the IRES framework.

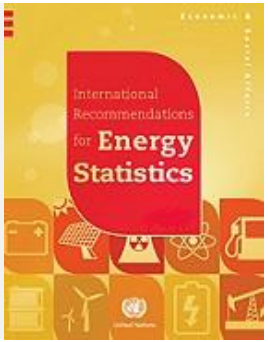
A comprehensive Energy Statistics Manual available in 10 languages.

Click on the manual to download it free of charge!



*Visit the **IEA's Statistics website** to access additional resources, including our questionnaires, glossary and documentation related to our data collection methodologies.*

To learn more about the international framework for energy statistics, please refer to the United Nations' International Recommendations for Energy Statistics (IRES).



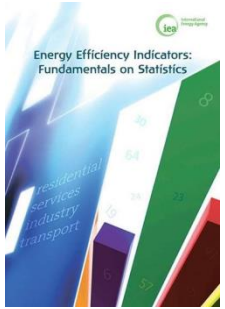
STATISTICS

energy
Department:
Energy
REPUBLIC OF SOUTH AFRICA

IEA resources : methodologies on indicators

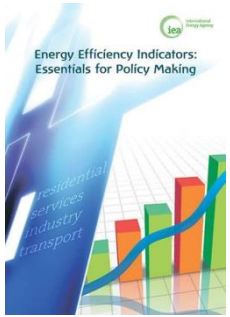
➢**Fundamentals on statistics:**
to provide guidance on how to collect the data needed for indicators

- Includes a compilation of existing practices from across the world
- https://webstore.iea.org/energy-efficiency-indicators-fundamentals-on-statistics



➢**Essentials for policy makers:**

- To provide guidance to develop and interpret indicators
- https://webstore.iea.org/energy-efficiency-indicators-essentials-for-policy-making



Both available also in:
Spanish
Russian
Chinese

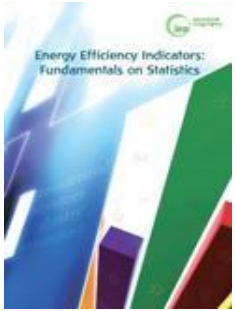
International guidelines are key to ensure comparability of data and indicators across countries

energy
Department:
Energy
REPUBLIC OF SOUTH AFRICA

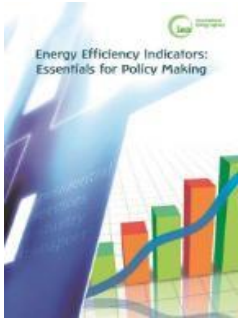
IEA

IEA e-learning courses: capacity building on energy efficiency data

- **Energy Efficiency Indicators: Fundamentals on Statistics**



- **Energy Efficiency Indicators: Essentials for Policy Making**



IEA Energy Statistics videos: resources for everybody

Training

The IEA offers hands-on training for energy statisticians, analysts and others working on energy policy, as well as webinars and an online training programme for those who cannot attend training in person.

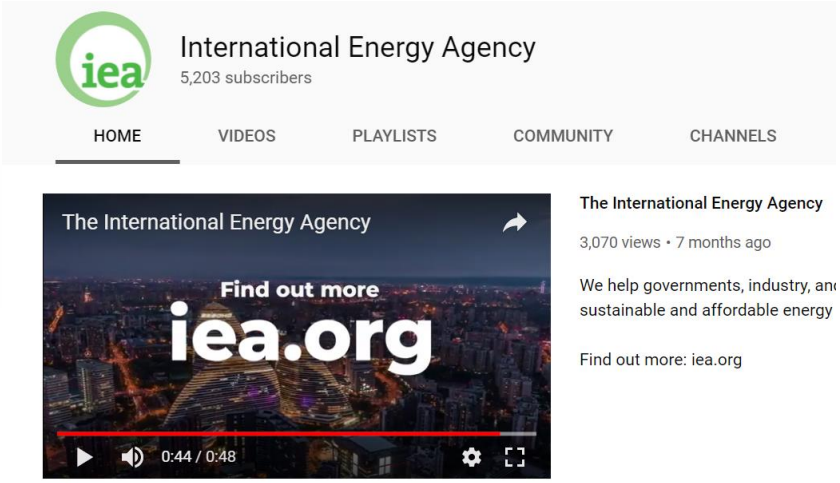
Energy Statistics Weeks

Statistics webinars

Online statistics training programme

https://www.iea.org/statistics/#training

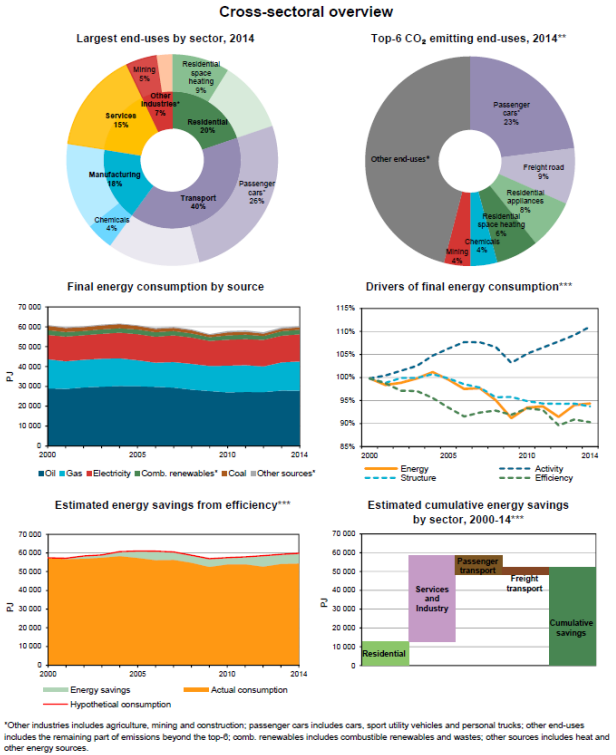
YouTube

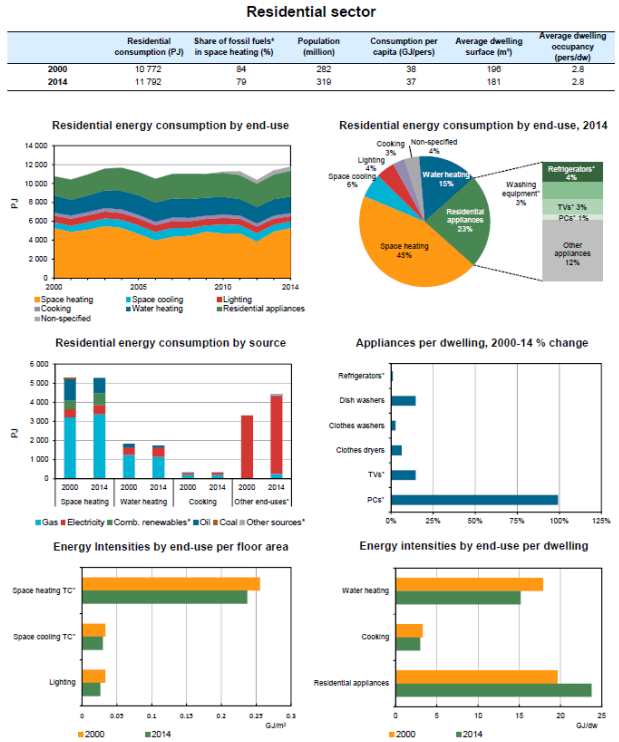


energy
Department:
Energy
REPUBLIC OF SOUTH AFRICA

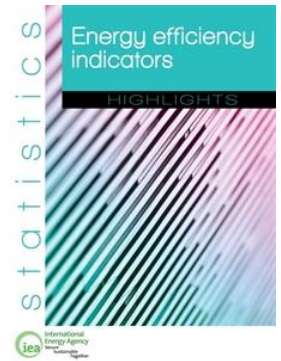
IEA

Energy Efficiency Indicators Highlights





	Residential consumption (PJ)	Share of fossil fuels* in space heating (%)	Population (million)	Consumption per capita (GJ/pers)	Average dwelling surface (m²)	Average dwelling occupancy (pers/dw)
2000	10 772	84	282	38	196	2.8
2014	11 792	79	319	37	181	2.8



https://webstore.iea.org/energy-efficiency-indicators-2018-highlights

energy
Department:
Energy
REPUBLIC OF SOUTH AFRICA

Review

- What have you learned?
- Did you get what you wanted?
- Will you use it in your work?
- Any suggestions for future courses?

energy

Department:
Energy
REPUBLIC OF SOUTH AFRICA