

Introducing energy indicators

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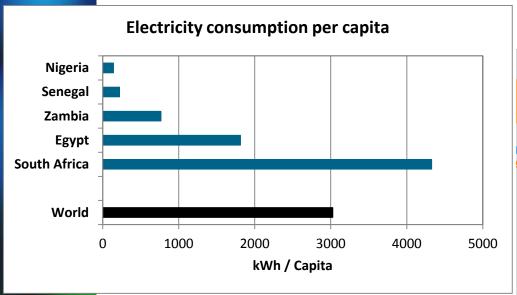
Mainstreaming Energy Sustainable Development Goals (SDGs),
Targets and Indicators into Statistical Programmes
in Select African Countries

Addis Ababa, June 2016

OECD/IEA 2016



Energy indicators: key across all dimensions of sustainable development



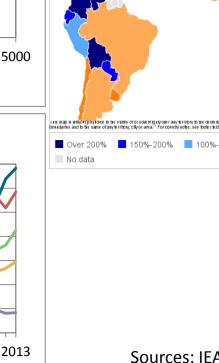
CO₂ Emissions from Fuel Combustion (MtCO₂)

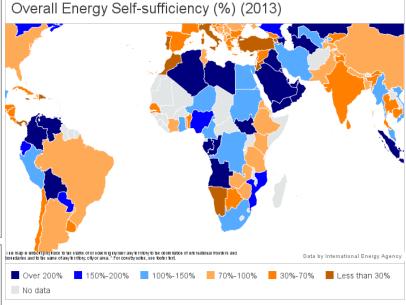
1990

-Ethiopia

2000

Cameroon





Sources: IEA World Energy Balances, 2015 IEA CO₂ emissions from fuel combustion, 2015

1971

Ghana

1980

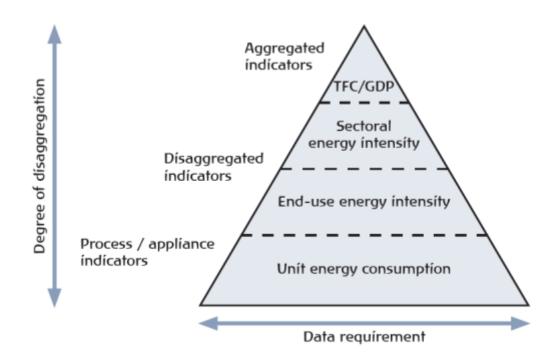
----Kenya

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What energy indicators to develop and how?

- Identify priority areas for action
- Design optimal indicators for national policy impact assessment
- Review data requirements, availability and gaps



Need to understand country-specific context and priorities



Embedding national efforts in international framework



SE4ALL Global Tracking Framework and SDG Indicators: opportunities to strengthen statistical capacity worldwide

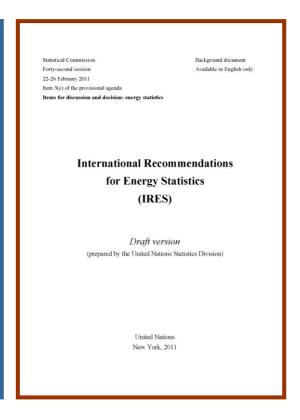


To develop indicators globally: a global energy statistics community



Harmonisation of Definitions of Energy Products and Flows





















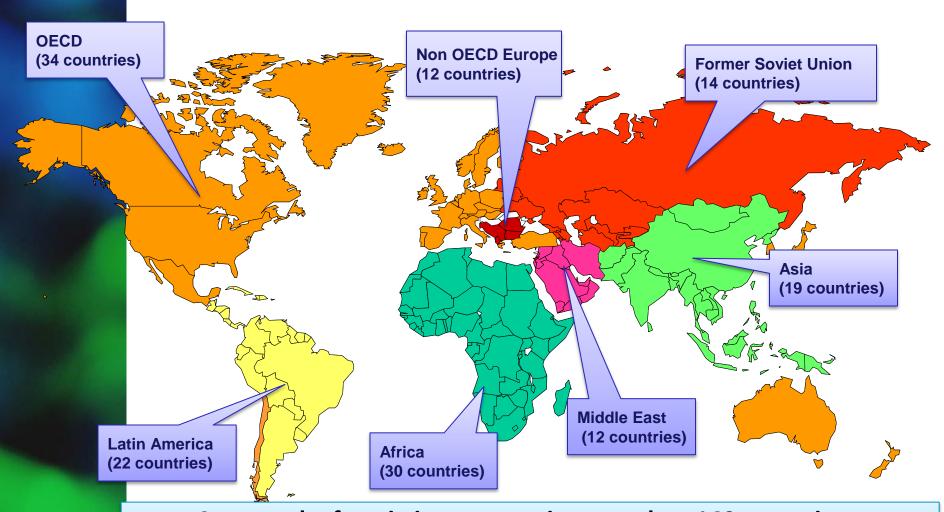
Ongoing cooperation across international organisations to discuss priorities, metrics and methodologies



Autonomous Agency of the OECD
Established in 1974 after 1st Oil Crisis
29 Members Countries (vs. 34 for OECD)
4 Es: Energy security, Economy, Environment and Engagement



The IEA energy data collection is global



A network of statistics contacts in more than 140 countries + cooperation with other organisations



The IEA work on energy indicators statistics

5 Questionnaires / Various national sources

Basic energy statistics

Energy balances/Indicators

CO₂ / GHG emissions indicators



Coal

Oil



Gas



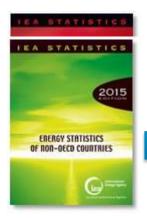
Renewables

+ Waste



Electricity

+ Heat







An additional energy efficiency questionnaire (only Member countries)



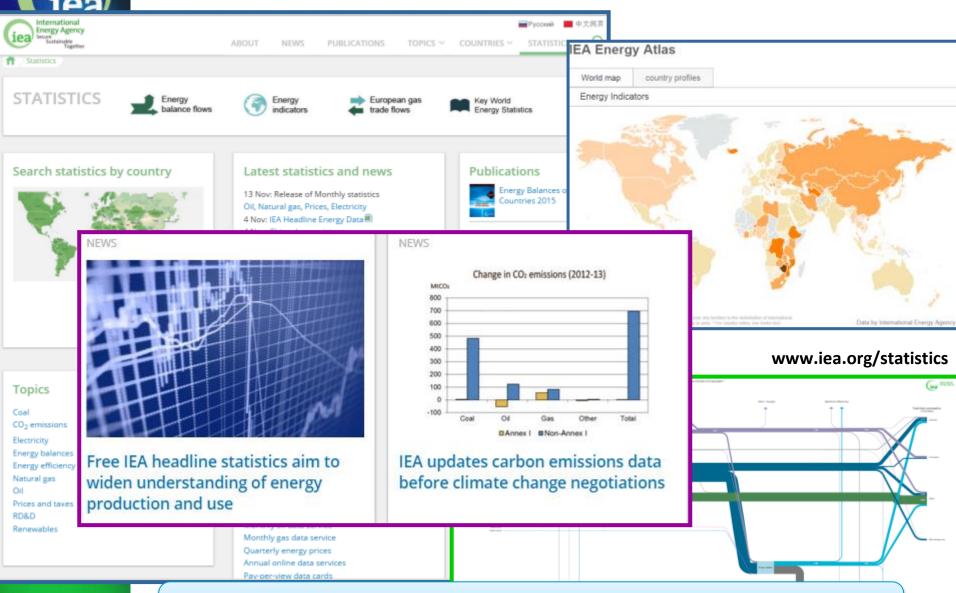


Energy efficiency indicators

Collecting national data worldwide to develop internationally comparable indicators



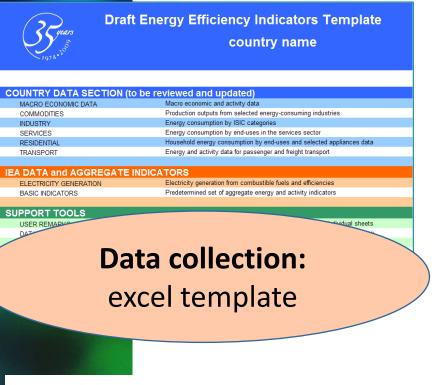
Disseminating IEA energy statistics through web

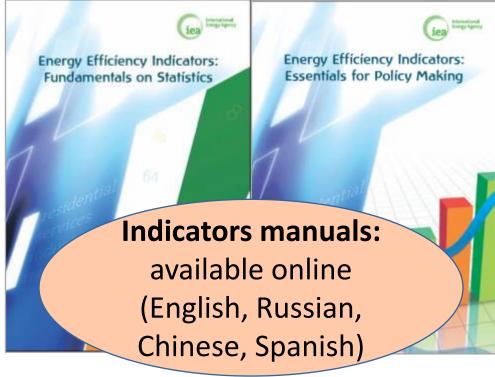


A lot of free data available!



Sharing tools for countries to develop technical capacity





http://www.iea.org/statistics/topics/energyefficiency/

http://bit.ly/eei-statistics http

http://bit.ly/eei-policy

A template approved by IEA Ministers to collect data

Two manuals on indicators: statistics and policy
for a harmonised approach to set targets and monitor progress



Key to develop technical capacity: training and international cooperation



- Two IEA statistics and one energy efficiency module per year
- Several regional events with key partners (APEC, UNSD, AFREC, ..)

International co-operation will be essential to develop capacity towards monitoring sustainable development progress