

# Enhancing energy data for robust SDG related policies and beyond *Insights from Eastern Africa*

## **15<sup>th</sup> IAEG-SDG Meeting plenary sessions**

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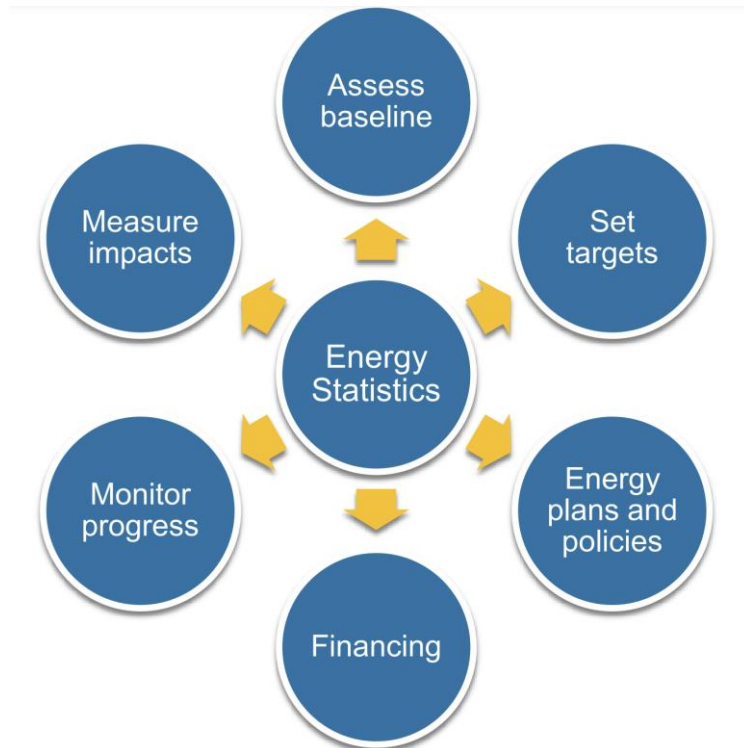
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# Accurate data is required for formulation and tracking of SDG 7 “ensure access to affordable, reliable, sustainable and modern energy” related targets and beyond

## Energy statistics is at the centre of energy policies and targets

- SDGs, NDCs, other development goals and investment plans.



## Define renewable energy data collection needs based on:

- National objectives for renewable energy data collection e.g. RE% of TFEC, NDCs..
- The current and future relevance of renewable products

### SDG 7.2.1

Objective	Required data
To measure progress towards a renewable energy target (as a share of final energy consumption)	Annual energy balance showing renewable energy consumption, including its share of heat and electricity consumption
To monitor short-term trends in the markets for renewable energy	Quarterly renewable capacity statistics, investment statistics, cost and price statistics
To monitor and adjust a feed-in-tariff programme for rooftop solar photovoltaic installations	Monthly statistics on new rooftop solar photovoltaic installations, electricity prices and solar panel costs
To monitor energy access, measured as the share of the population with an electricity supply	Annual statistics on the number of households connected to the national electricity grid and sales of solar home systems
To measure energy security	Annual energy balance showing net imports of energy as a share of final consumption, by sector

## Data collection challenges:

1. Institutional and human resource capacity
2. Technical challenges
3. Timeliness of data collection

Challenges are numerous - need to be targeted and systematic about the data collected and the processes used

Define data needs

Conduct data audit

Develop reporting templates

Strengthen institutional frameworks

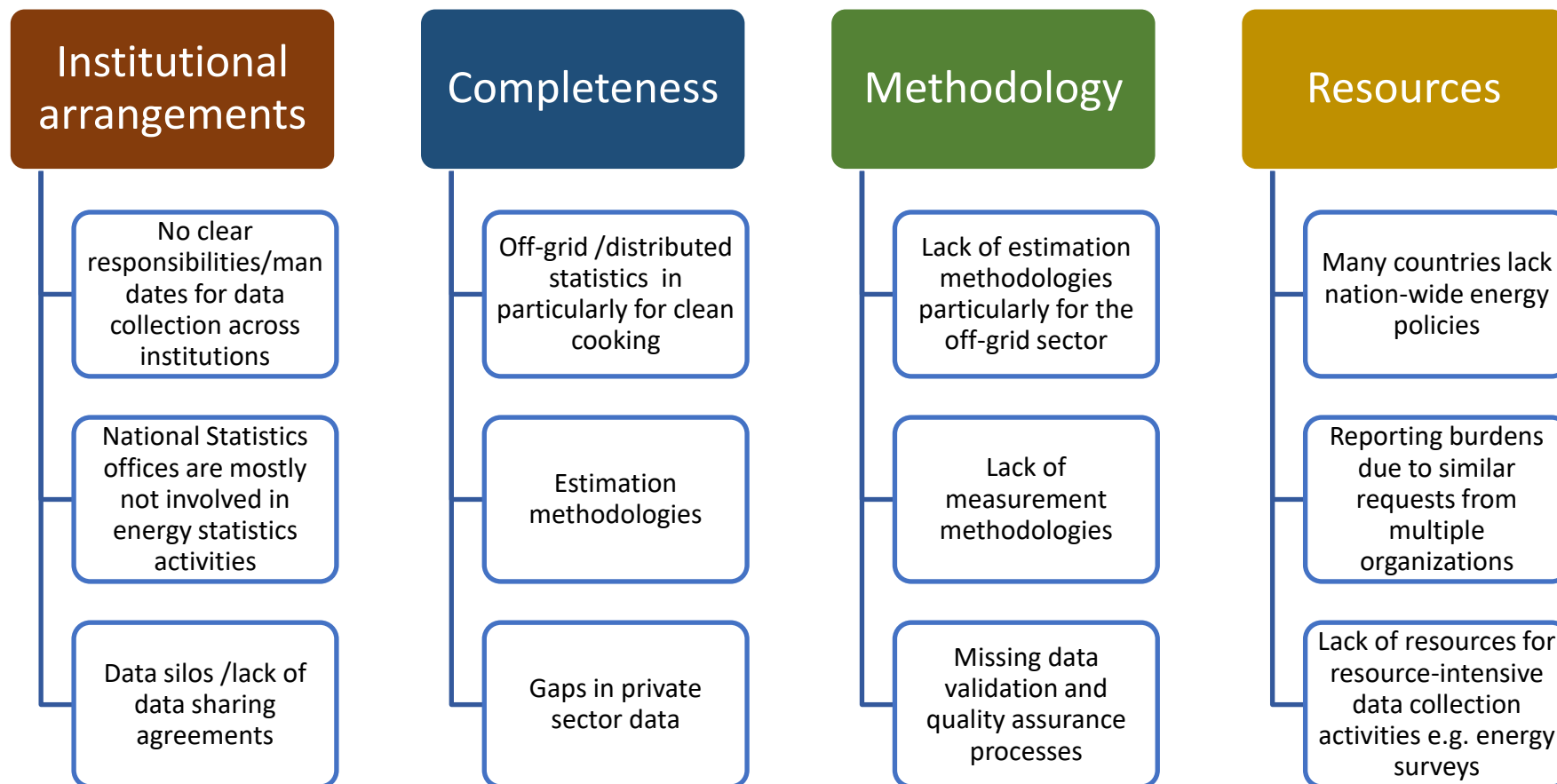
Develop data collection methods

Review and validate data

Disseminate data

Identify and implement improvements and build capacity

# Renewable Energy Data Collection Challenges: a focus on Eastern African countries\*



Data challenges need to be addressed for robust evidence-based policy making in the energy sector and beyond

**THANK YOU**  
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