

OPEN ENERGY DATA ASSESSMENT



WORLD BANK GROUP
Transport & ICT

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Why an Open Energy Data Assessment?

- Generic ODRA does not address sector-specific issues
- High potential for open energy data for private sector
- ODRA consultants are not necessarily energy experts
- World Bank NEGAWATT Challenge provided an opportunity to pilot energy ODRAs on a municipal level

What does the methodology contain?

- Step-by-step guide to analyze availability of energy sector data, identify energy issues and priorities, and provide recommendations on how open data can help line ministry, regulator, private sector, and civil society
- Based on 8 dimensions of standard ODRA, with specific questions and topics relevant to the sourcing of data in the energy sector
- Examples of positive and negative evidence, successful projects, and key datasets for sector development
- Can be used as a standalone tool or complement the ODRA

Examples of energy ODRA questions

- [Institutions] What is the dynamic of the energy market, in particular regarding development of IPPs* and SMEs; and to what extent does it rely on the energy broker system and broker companies?
- [Supply side] To what extent and how does the energy sector communicate to the population about the status of the energy system (capacity level, power outages, construction plan, etc.)?

**independent power producers*

Example of key datasets

Detailed electricity consumption	Average electricity consumption at the most detailed level (building, block, district)
Energy audit (Certificate)	Results of energy audits for private, public buildings and other infrastructures
Land Register (cadastral) parcels	Geospatial data of boundaries of lands and real estates.
Wind Capacity	Geospatial data of wind capacity on the territory
Biomass	Geospatial data about the biomass resources generated (quantity and composition)

Lessons learned in Kenya and Ghana

1. Work with or seek advice from local energy experts
2. Energy sector is complex. Narrow your scope and define priorities with client in advance
3. Find right incentives / potential projects that could sensitize energy stakeholders to open energy data
4. Leverage energy ODRA to connect energy sector with the local/international open data community
5. Target simple, achievable actions, and ensure follow-up
6. Donors collect and use primary energy data and have incentives to publish it as open data
7. Seek to leverage existing initiatives

Links and contacts

- Methodology and assessments available on <http://opendatatoolkit.worldbank.org/>
- Version open for comments: <http://bit.ly/1UsFUfM>
- Feature story “Exploring Open Energy Data”: <http://bit.ly/1RInCUk>
- Blog post: <http://bit.ly/1oIM82Q>
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