

Systematic Analysis of National Electrification Approaches

EUEI PDF in collaboration with the Energising Development Programme (EnDev)



EnDev

- **Multi-Donor, Multi-Implementer programme with the mission to promote sustainable access to energy in 25 countries globally**
- **EnDev focuses on practical energy solutions for the poor in underdeveloped regions.**
- **EnDev follows a bottom-up approach to develop sustainable energy markets and sub-sectors for pro-poor energy access**

EUEI PDF

- **Flexible, demand-driven multi-donor facility that contributes to the achievements of the Sustainable Development Goals, especially on energy (SDG7)**
- **Implementing more than 120 measures in 26 countries across three continents**
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Background

- Energy access has been pitchforked at the top of many political agendas and universal access to energy has become a sustainable development goal (SDG7)
- 1.1 billion people globally still without access to electricity; 625 million un-electrified people are living in Africa
- National electrification strategies traditionally rely on the conventional approach to extend the grid and rarely draw on bottom-up approaches and available off-grid solutions
- Market transformation, technologies, innovative financing instruments and improved framework conditions have created a variety of new options for rural electrification

Background

There is no comprehensive overview available on

- (i) what the different policy options and instruments are for accelerating access to electricity,
- (ii) what costs and benefits these options imply,
- (iii) how these options can be combined in a manner that optimizes economic and social welfare on the national level
- (iv) what the advantages and disadvantages of different technologies/approaches are in facilitating access to electricity to those still unserved.

Objectives and Target Group

- Sound electrification approaches in developing countries
- Availability of an electrification planning tool applicable at the national planning level to inform policy makers about best practises, technologies, instruments, and market development tools for rural electrification
- Tailored to the needs of rural electrification agencies, policy makers and energy planners

Expected Outcomes

- Catalogue of effective electrification approaches (best practises)
- A systematic categorization and analysis of electrification approaches (analysis and categorization matrix)
- Cost-Benefit analysis framework for electrification
- Stakeholder Guidebook on policy options and market development tools for facilitating access to electricity

Categorization of National Electrification Approaches (Matrix)

Type of
Electrification/
Technology

Delivery and
Operational
Model

Potential
Barriers and
Risks

Forms of
Policy
Intervention

Intervention
Recipients

Next Steps

- **Stakeholder consultation and interviews**
- **Mapping exercise and refinement of analysis matrix**
- **Review and validation of preliminary outcomes**
- **Dissemination outcomes**



Thank you for your attention!

The **Partnership Dialogue Facility (EUEI PDF)** currently receives contributions from the European Commission, Austria, Finland, Germany, Italy, the Netherlands and Sweden.

EUEI PDF is an instrument of the EU Energy Initiative (EUEI).

