

»» Methodologies to monitor energy access in grid-based programmes

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Harmonising Methodologies and Principles for Monitoring Access

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Bank aus Verantwortung

KFW

»» Energy Access – More than “typical” Access Projects

Impact

- › In the past, mostly only typical access projects were considered to create peoples / household access to modern energy
- › other energy projects may have impact on improving access → win-win-situation

	Project Type	Grid Connections	Legality	Peak Capacity (W)	Duration (Hrs)	Evening Supply	Quality (Voltage)	Reliability (Outages)	Affordability
Typical Energy Access Projects	Grid Electrification	↑	↑	↑	↑				↑
	Mini-Grid Electrification	↑		↑	↑	↑	↑	↑	↑
	Off-Grid & Solar Lanterns			↑	↑	↑		↑	↑
Other Energy Projects	Generation & X-Border T/M	↑			↑	↑	↑	↑	↑
	Transmission & Distribution	↑	↑				↑	↑	↑
	Rural Feeder Segregation		↑		↑	↑	↑	↑	↑
	Energy Efficiency			↑	↑	↑			↑
	Regulations & Market Reform	↑	↑	↑	↑	↑	↑	↑	↑

 Positive impact of energy interventions on energy attributes

Key Methodological Questions

How do we calculate and attribute access impact from grid-based programmes?

- › Starting point: Different institutions have to report on the expected access impact (ex-ante, prior to project implementation, e.g. in application/approval phase), e.g., for monitoring political commitments, etc.
- › Up to now, different institutions use different models including different assumptions (KfW & GIZ; World Bank; EU-COM; etc.)
- › Differences with major impact on results (in number of people with new access):
 - › The amount of kWh attributable for new household grid-connections
 - › The average consumption of the newly connected households
 - › How to take specific uncertainties into account?
 - › How to attribute impact to donors / implementers, e.g. in the case of joint financing of the same project or related projects along the supply chain (double counting)?
- › Measurements “on the ground” in the countries have to be done
- › Ultimate Goal: to minimise calculated numbers from those measurements



Any further questions, topics etc. for Working Group I from you?