

Task 9 - Deployment of Photovoltaic Technologies: Cooperation with Developing Countries



Keynote Address on Rural Electrification Policy and Planning

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ENERGY POVERTY CAN TRIGGER SOCIAL UNREST

There is gobal evidence that lacking access to energy, due to no supply or not given affordability, is triggering internal migration.

Politicians must react prior to the outbreak of a conflict.

ADDRESSING ENERGY DEFICIENCY IS A LOSS MAKING BUSINESS BUT MUST BE DONE

Providing access to energy in remote rural areas is basically a loss making business.

Hardware subsidies are the wrong answer to the problem, they are distorting markets and are not sustainable.

Required are local actors and enterpreneurs and a sound regulatory framework.

CHARACTERISTICS OF COUNTRIES HAVING ERADICATED ENERGY DEFICIENCY

- They have a strong regulator setting
- Tariffs independent from politics and utilities
- They did understand that a required but not supplied kWh is costing more money than to supply it as it cripples income generation
- Utilities are exposed to competition and must serve rural areas, but are paid for it
- There is a local industry providing energy services

AVOID TECHNOLOGY DRIVEN PROJECTS

Technology driven projects perform less good than programs where people can make an informed choice

Energy deficiency is also an educational issue, schools and teachers should be involved

BENCHMARKS

With todays options at hand an installed kW can be implemented in the range of 3000 USD.

Energy efficient appliancies allow smaller installed capacities to serve communities.

LOCAL MANUFACTURING AS AN ENTRY POINT

- Many developing countries are manufacturing equipment to allow access to energy on their own, many of them very successfully.
- In these countries this industry has created locally available expertise
- Contributed to the sustainability of the sector, besides having created job opportunities.

VERY BIG RE POTENTIAL AVAILABLE

- Every country with still unserved communities has the natural resources to address its energy deficit through sound proposals and political will.
- Today less than 1% of the global PV module production is used to benefit unserved areas or communities