

Sustainable Energy Solutions: Alleviating Poverty in Households



Smoke from cooking is a major indoor pollution problem.

Photo: Raymond Myles, AFPRO, India.



A simple improved cookstove increases efficiency and reduces smoke.

Photo: Saurab K. Shrestha, AEPC, Nepal

Improving Household Conditions

In addition to the goal of 100% renewable energy by 2050, INFORSE's Vision2050 takes into account the challenges of domestic energy use in developing countries.

A key to overcoming the challenges of poverty in these regions lies in ensuring that the resources for everyday household activities are available. To us at INFORSE, this means reassuring that the energy used in household activities is affordable, renewable, and used sustainably with an eye on the long-term.

Domestic energy consumption in developing countries is largely related to cooking, lighting and the powering of few small appliances. Introduction of improved cookstoves, biogas and solar cooking technologies can solve the the health problems of cooking without introducing dependencies on imported fuels. Light can also be supplied in sustainable ways with energy from micro-hydro, PV and biogas.

The biogas generated from the manure of a few cows produces enough gas to meet a family's basic energy needs for cooking and light.

Photos: Raymond Myles/AFPRO, India



A solar home system provides electricity for light, radio/TV and small appliances.

Photo: SOLCEN, South Africa



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