

Gender in Energy Services Delivery in Mali



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Mali: Key Energy Sector Statistics



❑ Only about 17 percent of the total population of Mali has access to electricity

❑ Barely 7 percent has access in rural areas (about 30 percent in urban areas)

❑ Traditional biomass energy in the form of fuel wood and charcoal represents about 80 percent of the final energy consumption

❑ Evidence of willingness of the poor to pay for energy services

Pop: 12.4 million (2008) (**almost 1/2 AFG**)

Area: 1,240.0 thousands (sq.km)

(**almost 1/3 India and 2x Pakistan**)

Mortality rate (per 1,000 live births) :102.5

Literacy rate (% of females ages 15-24): 30.8

Inefficient use of biomass fuels has adverse health impacts

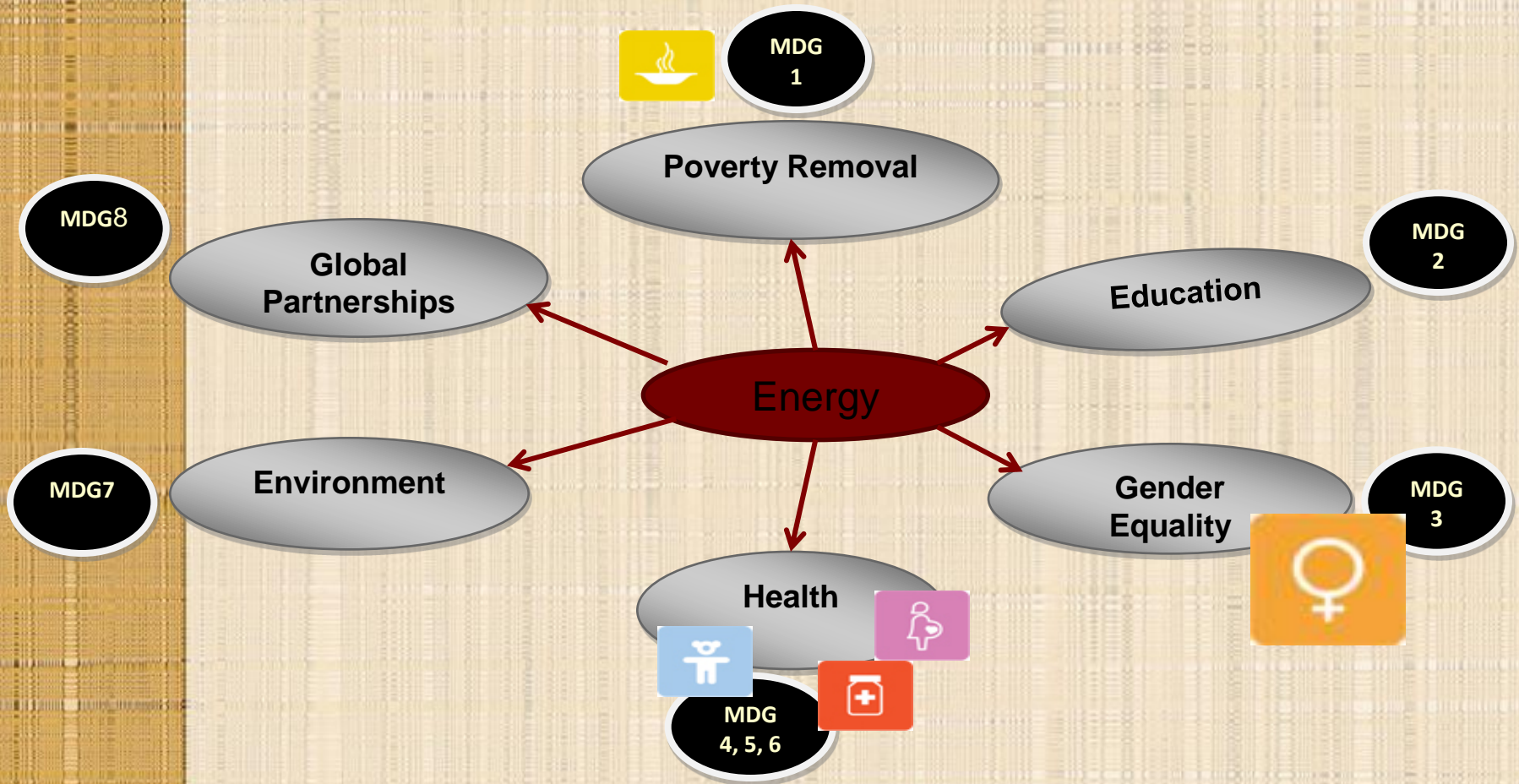
Indoor air pollution

- **Acute Respiratory Infection**
- **Conjunctivitis**
- **Lung Cancer**
- **Low birth weight**
- **Higher rate of stillbirths**
- **Tuberculosis**



Boosting Energy Contribution to Mali's Economic and Social Development

Recognizing country specific circumstances, the WB sought to help Mali unlock the potential of its energy sector for the benefits of its people.



*The Household Energy and Universal Access Project
(2003-US \$35.5M; 2008-US\$35.0M Add.) [SIL]*

- ❑ To strengthen energy sector institutions for increased private sector participation in decentralized energy services delivery
- ❑ To accelerate the use of modern energy in rural and peri-urban areas
- ❑ To promote community based woodland management and to encourage interfuel substitution

Gender Issues Recognized at Design Stage

Quotes from the Project Document

- “*Empowerment of Women: Women are major actors in fuelwood production, transformation and trade. Interventions in these areas are likely to change their working habits by providing them with more time to devote to other productive and educational activities...*”
- “*...In rural and peri-urban areas where modern energy services will be provided, women will have the possibility to develop small food processing enterprises and add more value to agricultural produce. Moreover, education opportunities will increase and women will have more exposure to alternative lifestyles...*”

Selected Results (1)

Rural Wood Markets

- Women represent about 45% of the 250 cooperatives membership



Nurseries and plantations

- Women are key actors of nurseries producing vegetables and jatropha plantations producing bio-fuel



Selected Results (2)

Improved Stoves

- About, 422,000 improved stoves have been disseminated out of the 510,000 targeted by the end of the project



Solar Cookers

- Many demonstration campaigns targeting women have been organized to feature alternative cooking devices



Selected Results (3)

Multifunctional Platforms

- Women's associations are playing an important role in remote communities as providers of energy services
- They receive training in basic accounting in local languages provided by NGOs financed through the project.
- To date, multifunctional platforms have been installed in 64 communities resulting in 7, 200 connections.



Selected Results (4)

Multifunctional Platforms

- Health centers in rural areas are connected to allow birth delivery at night in better conditions
- Small public lighting on 2 kilometers providing security of movement, possibility for children to learn, and markets to be opened at night



Some Lessons Learned

- Gender considerations should be accounted for at the design stage of projects with specific implementation arrangements
- The key to successful implementation is to be responsive to women associations concerns and allow for adaptive implementation arrangements towards results
- Impact assessment studies are necessary to learn from beneficiaries themselves on changes introduced by project interventions

Thank You

