

Programme for Biomass Energy Conservation in Southern Africa

The role of household energy conservation in HIV/AIDS mitigation

Africa Forum 2006 - Christa Roth (ProBEC): The role of energy for HIV mitigation

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"... The first step towards winning the battle against HIV/AIDS for the infected and the affected is their ability to conserve enough energy to keep them going...."

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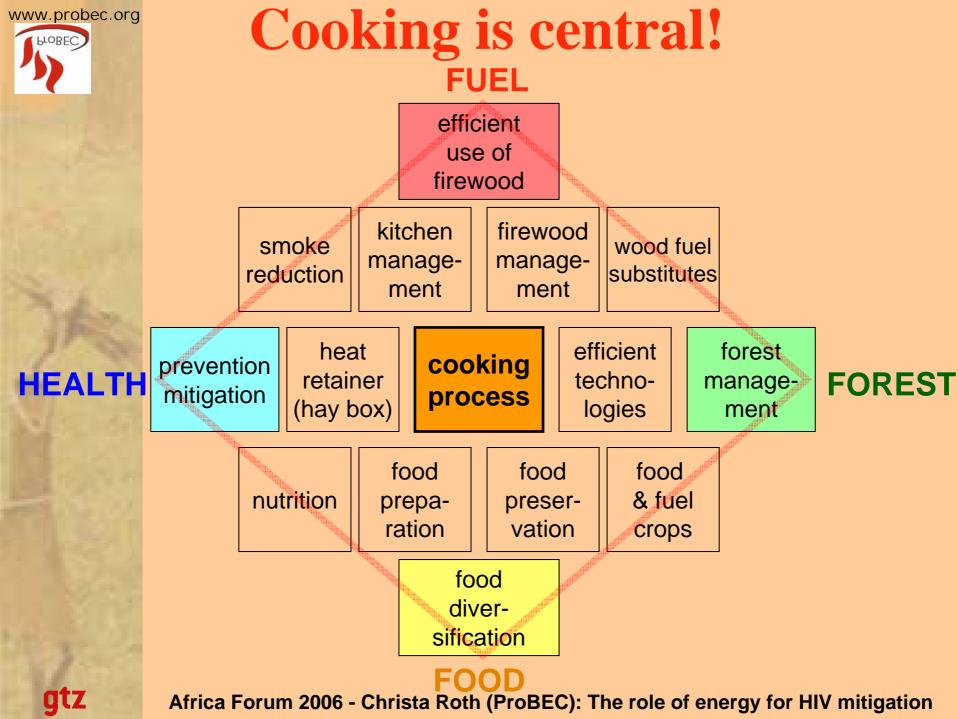


household energy conservation is human energy

conservation

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- We ALL need food to live
- Most food needs to be cooked
- For cooking we need energy (fuel)
- Over 95% of Malawian households use firewood or charcoal (= biomass energy)
- Firewood and charcoal are scarce, expensive and used unsustainably

saving firewood contributes to

- Care of PLWHA
- Mitigation



"...When I get up in the morning the first thing is to make fire..."

Role of energy (,moto') in care and support:

- Cooking meals
- Boiling water for drinking
- Cooking herbal remedies, hot compresses
- Warm water for bathing
- Sterilizing utensils for patients
- Warmth
-and many more



How can we save energy?

- Using improved stoves and fireless cookers technologies
- Keeping a lid on the pot, soaking legumes, using less water, cooking for less time etc. techniques

How can we get more firewood?

- Cut the branch and not the tree
- Plant trees or just let them grow
- Plant woody shrubs e.g. pigeon peas



Benefits of energy saving technologies

Mud stove With clay liner

Clay stove

Food warmer

or fireless cooker

Rocket Stove

QTZ



Saving up to 80% firewood

Small twigs can generate enough heat for cooking

Smoke reduction

Fast cooking, less time

Sheltered fire, less heat exposure

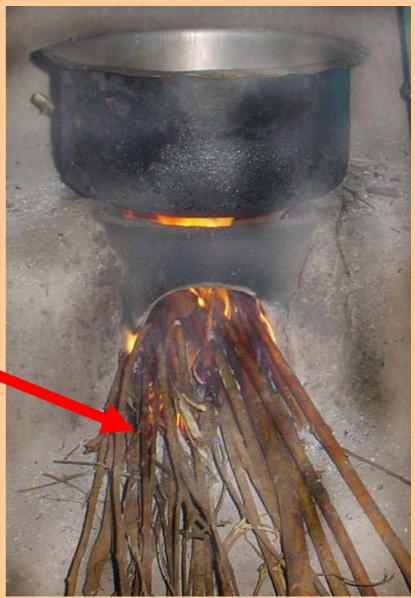
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Potential for using alternative fuelwood sources: pigeon pea stalks, agroforestry species e.g. gliricidia etc.



Soil fertility = more food
Less expenditure for fertilizer
More food (relish) or cash
Fuel for cooking



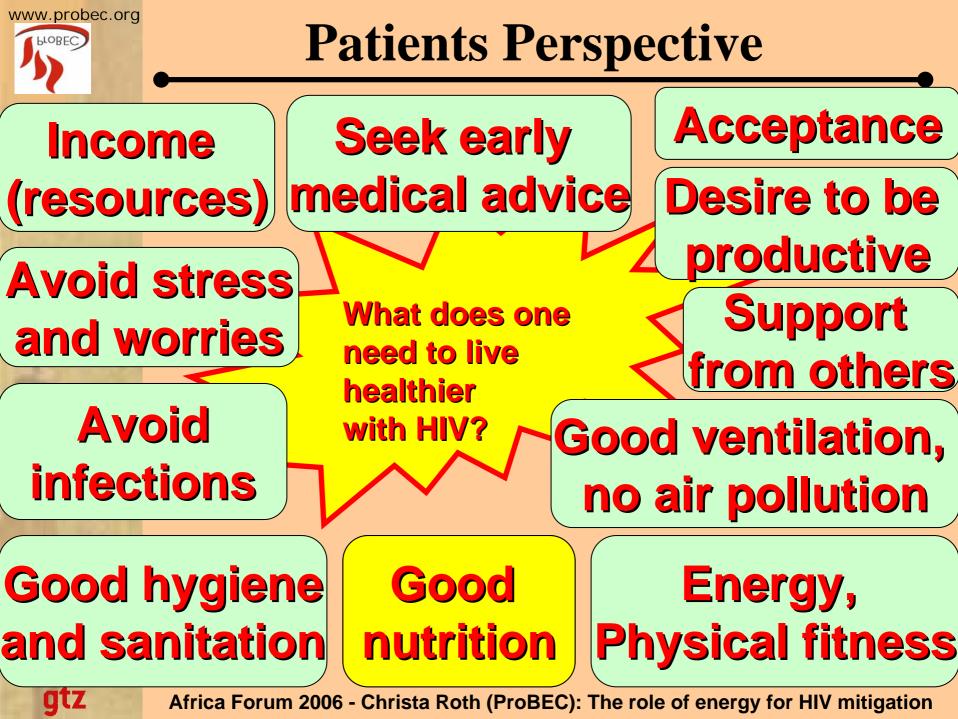


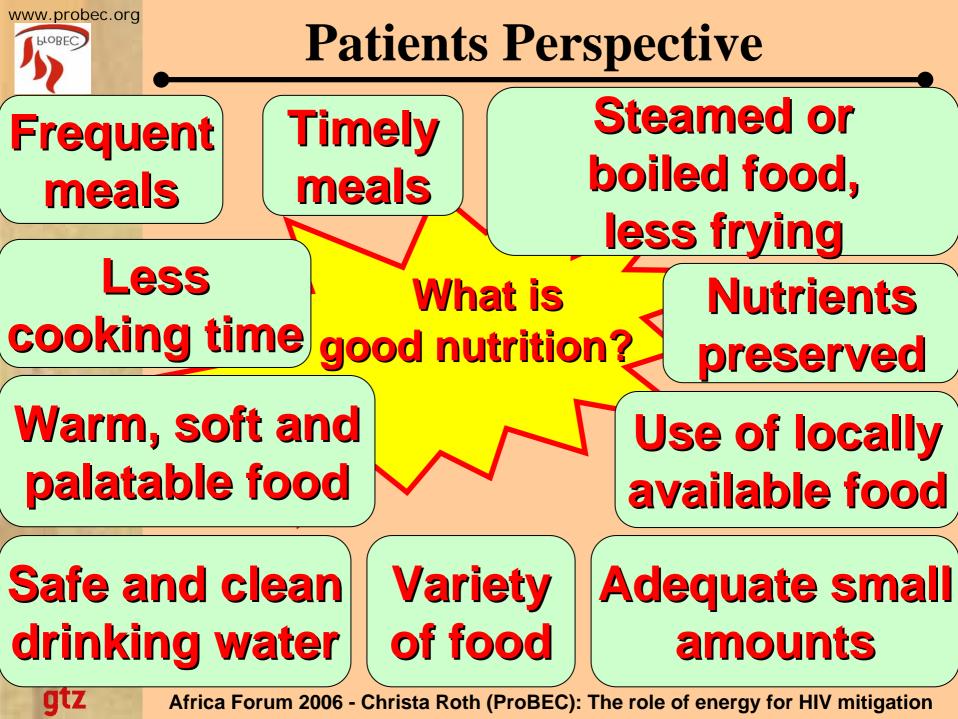
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In care there are two perspectives:

Infected and affected Patients Caregivers



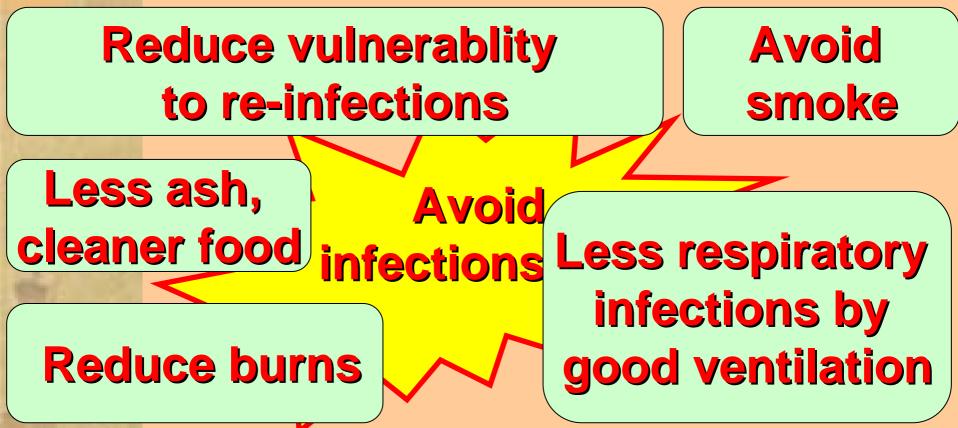




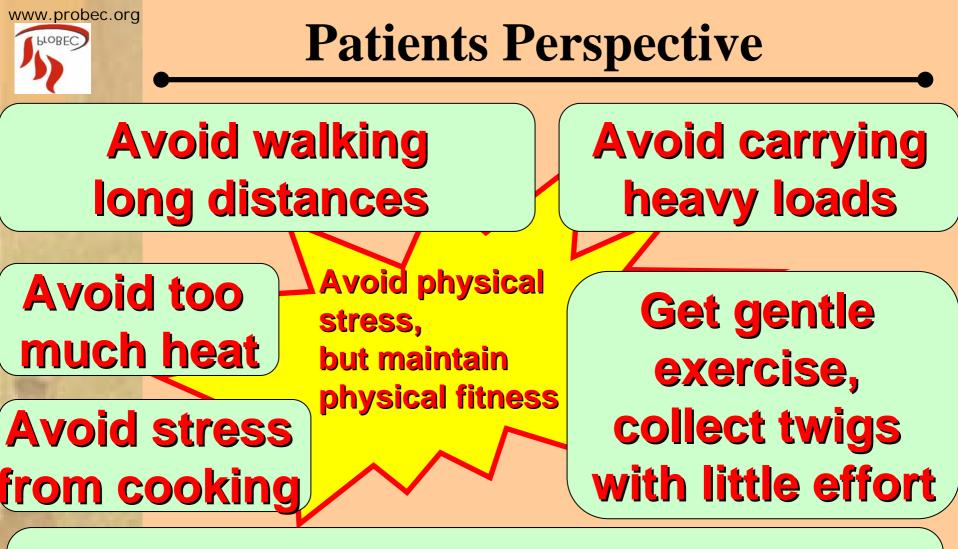


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Patients Perspective



Avoid infection through improved nutrition and hygiene



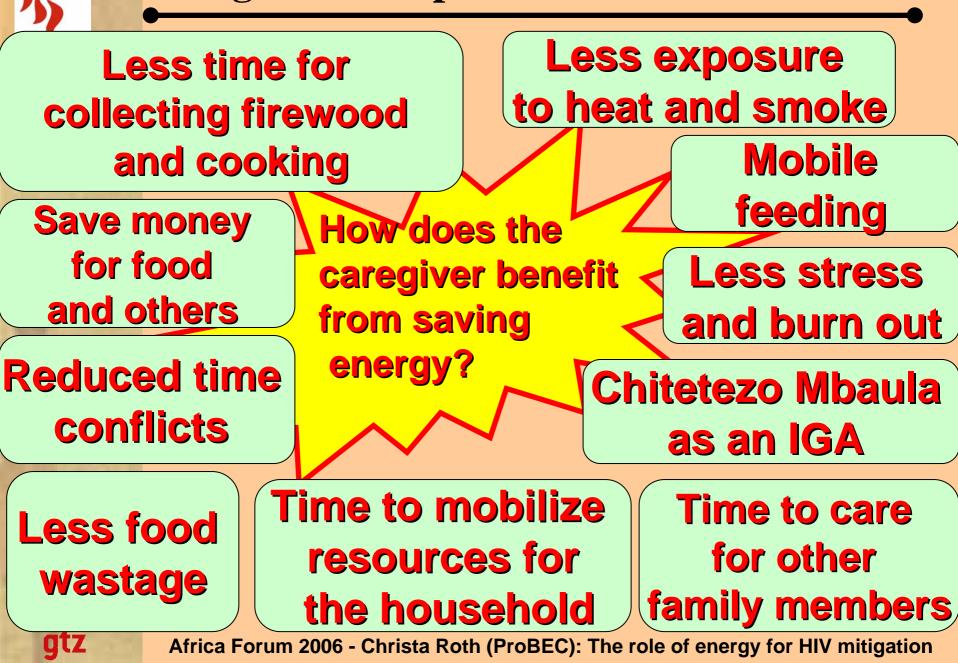
Get adequate rest, spend less time on cooking and getting firewood

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Caregivers Perspective (household, community, institution)

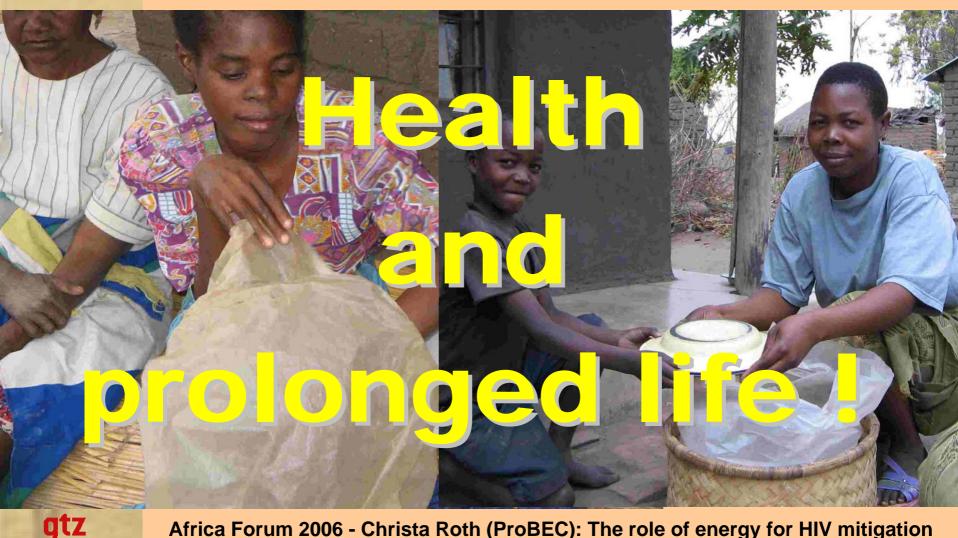


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Role of household energy in mitigating HIV/AIDS



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Who can tell me more?

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