



Workshop on Energy Efficiency Use and Cooking Stove Modification (Sady Odinashoev (Tajikistan, Muminabad))

## Implementation through the government's Women's Affairs Officers. (Tajiquistão)

### DESCRIÇÃO

**The use of the government appointed District Womens Affairs Officer to mobilise women throughout the community to implement technologies.**

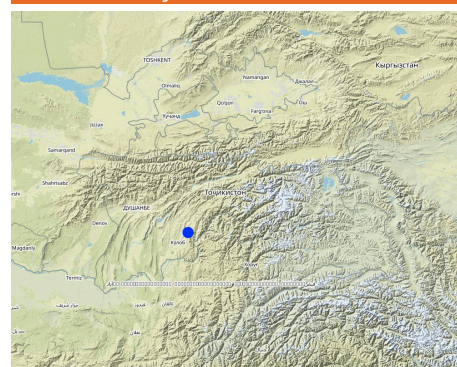
**Aims / objectives:** The aim of the approach was to empower women through support from the government's Women's Affairs Officer (WAO), to implement low cost energy efficient technologies within individual households. Women being the primary users of energy within the household, can become the main agents for change in applying more efficient methods to the use of natural resources to meet their cooking, heating and energy needs. Therefore, reducing fuel costs, and dependence upon local natural resources. The district local government employs a WAO, who is the government representative for women's issues in the district. Once the WAO became supportive of the idea, she was able to engage the Women's Affairs Officers at the Jamoat level.

**Methods:** This approach is fundamentally a training pyramid approach. An expert conducted a series of training sessions to interested women on the details of the technology. The training involves demonstrations of the technology, its benefits, information on how to purchase or make the material required, and how to implement the technology. The first session is a 'Training of Trainers'. The participants are then provided with training materials, and are invited to replicate the training in their own community. The process is continuously repeated, subsequently broadening the target audience. Zamzam, the local women's association of the district helped suggest potential community candidates for trainers, and provided practical training sessions on energy efficiency measures through the TOT.

**Stages of implementation:** The implementation of the project started with an inception meeting with the District Women's Affairs Officer to sell the idea, and to gain the local government's support. Once she was supportive of the idea, a district level meeting was held with all the Women's Affairs Officers at the local level (i.e. Jamoat) and two women representatives from each Jamoat. At this meeting the ladies were introduced to the technology i.e. cooking stove modification and heat exchangers. The meeting further discussed on how each jamoat would receive training, and what training materials were to be distributed to the communities. The meeting enabled issues with the technology, logistics, monitoring and overall set up of the approach to be discussed. Afterwards an expert trained a group of women from each Jamoat on the technology and provided them with materials so that the training could be repeated within their own communities.

**Role of stakeholders:** This is a women's led approach, the Women's representative within the government, who are also Women's association members, were responsible for organisation of the trainers, logistics and government documentation support. With support from Zamzam, the active women in the community were selected as trainers to receive training from the experts and provide subsequent outreach training to their communities.

### LOCALIZAÇÃO



**Localização:** Muminabad, Khatlon, Tadjiquistão

**Geo-referência de locais selecionados**

- 70.03, 38.1

**Data de início:** 2009

**Ano de término:** 2010

**Tipo de abordagem**

- ☐ Tradicional/Indígena
- ☐ Iniciativa/Inovação local recente
- ☐ Baseado em projeto/programa
- ☒ governamental





Workshop on Energy Efficiency Use and Cooking Stove Modification (Odinashoev, Sa (Tajikistan, Muminabad))



Women weighing the amount of wood that was saved after the modification of cooking stove. (Odinashoev, Sa (Muminabad, Tajikistan))

## OBJETIVOS DE APROXIMAÇÃO E AMBIENTE PROPÍCIO

### Principais metas / objetivos da abordagem

The Approach focused mainly on SLM with other activities (Energy Efficiency)

The aim of the approach was to mobilise the women within the community through the use of the government appointed District Women's Affairs Officer. Once the government appointee was engaged in the promotion of the technology, she was able to use her position to mobilise the Women's Representative at the local government level (Jamoat), and subsequently women's representatives within each village level. The approach exploits the existing government's women's network to empower women to implement technologies, whilst also gaining government support and assistance.

The SLM Approach addressed the following problems: The average household in the Muminabad area uses several tonnes of tapak (dung and straw mix) and firewood each year for cooking, baking and heating. This puts excessive strain on the local natural resources, and significantly reduces the amount of organic fertiliser used in land management, as well as the removal of tree and shrubs that stabilise the land and help prevent erosion from wind, surface water run off and livestock grazing.

### Condições que permitem a implementação da Tecnologia(s) aplicada(s) sob a Abordagem

#### Condições que dificultam a implementação da Tecnologia(s) aplicada(s) sob a Abordagem

- **Disponibilidade/acesso a recursos e serviços financeiros:** At the beginning women did not know that modification of the cookingstoves were not expensive, and were initially not interested in learning about the adaptation. Treatment through the SLM Approach: Demonstration of the technology and explanation of the costs.
- **Quadro institucional:** The women have been using the same style of outdoor cooking stove for many years and did not consider or were open to changing the design. Treatment through the SLM Approach: A group workshop created an open environment in which the women could think about their energy use, their cooking equipment and discuss potential changes.

## PARTICIPAÇÃO E PAPEL DAS PARTES INTERESSADAS ENVOLVIDAS

### Partes interessadas envolvidas na abordagem e seus papéis

| Que partes interessadas/órgãos de implementação estavam envolvidos na abordagem? | Especifique as partes interessadas  | Descreva o papel das partes interessadas  |
|--|---|---|
| Usuários de terra/comunidades locais   | Women's group to conduct training on the technology and women in households | The active women in the village were selected to disseminate information  |
| Especialistas em GST/ consultor agrícola   |   | To organise the training materials.   |
| Governo local  | District and local government women's affairs officers.                     | The entire approach was developed to engage women, as they would be the ones that would benefit most from the technology. |
| Organização internacional  |   | Provided the funding and monitoring.  |

## Envolvimento do usuários de terra/comunidades locais nas diferentes fases da abordagem

|                         | Nenhum | Passivo | Apoio externo | Participativo | Automobilização |
|-------------------------|--------|---------|---------------|---------------|-----------------|
| Iniciação/motivação     |        |         |               |               | ✓               |
| Planejamento            |        |         |               | ✓             |                 |
| Implementação           |        |         |               | ✓             |                 |
| Monitoramento/avaliação |        |         | ✓             |               |                 |
| Research                | ✓      |         |               |               |                 |

It was members of the local community that thought of the idea and approached the governments Women's Affair Officer.

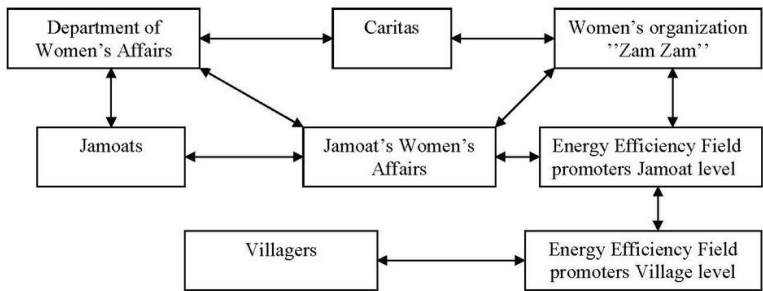
The local stakeholders organised a initial meeting to plan the implementation of the approach.

Implementation was entirely through the local community, including government representatives at district and local level.

This was undertaken by the donor and at the district level.

## Fluxograma

An organisational chart showing how all the organisations worked together on the project.



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## Tomada de decisão sobre a seleção da Tecnologia GST

As decisões foram tomadas por

- ☐ Somente usuários da terra (iniciativa própria)
- ☒ Principalmente usuários da terra, apoiados por especialistas em GST
- ☐ todos os atores relevantes, como parte de uma abordagem participativa
- ☐ Principalmente especialistas em GST, após consulta com usuários da terra
- ☐ Somente especialistas em GST
- ☐ Políticos/líderes

As decisões foram tomadas com base em

- ☐ Avaliação de conhecimento bem documentado de GST (tomada de decisão baseada em evidências)
- ☐ Resultados de pesquisa
- ☐ Experiência pessoal e opiniões (não documentado)

# SUPORTE TÉCNICO, REFORÇO DAS CAPACIDADES E GESTÃO DO CONHECIMENTO

As seguintes atividades ou serviços têm sido parte da abordagem

- ☒ Reforço das capacidades/ formação
- ☐ Serviço de consultoria
- ☒ Fortalecimento da instituição (desenvolvimento organizacional)
- ☒ Monitoramento e avaliação
- ☒ Pesquisa

## Reforço das capacidades/formação

Foi fornecido treinamento às seguintes partes interessadas

- ☐ Usuários de terra
- ☒ Equipe de campo/consultores
- ☒ Women's groups

Tipo de formação

- ☐ Em exercício
- ☒ Agricultor para agricultor
- ☒ Áreas de demonstração
- ☐ Reuniões públicas
- ☐ Cursos
- ☒ Training was held within the communties.

Assuntos abordados

The training was on energy efficiency measures, and how to reduce the amount of organic material used as fuel.

## Fortalecimento institucional

### As instituições foram fortalecidas / estabelecidas

- ☐ Não  
☐ Sim, pouco  
☐ Sim, moderadamente  
☒ Sim, significativamente

### no seguinte nível

- ☒ Local  
☐ Regional  
☐ Nacional

### Descreva instituição, papéis e responsabilidades, membros, etc.

### Tipo de apoio

- ☐ Financeiro  
☒ Reforço das capacidades/ formação  
☐ Equipamento

### Mais detalhes

Local NGO Zam Zam, a women's network, was used to conduct the training.

## Monitoramento e avaliação

no. of land users involved aspects were regular monitored by project staff through observations; indicators: The quality of the training was observed. no. of land users involved aspects were regular monitored by project staff through measurements; indicators: The number of women that received training was monitored. There were no changes in the Approach as a result of monitoring and evaluation: None There were no changes in the Technology as a result of monitoring and evaluation: None

## Pesquisa

As pesquisas trataram dos seguintes tópicos

- ☐ Sociologia  
☐ Economia/Marketing  
☐ Ecologia  
☐ Tecnologia

## FINANCIAMENTO E APOIO MATERIAL EXTERNO

### Orçamento anual em USD para o componente GST

- ☐ < 2.000  
☒ 2.000-10.000  
☐ 10.000-100.000  
☐ 100.000-1.000.000  
☐ > 1.000.000  
 Precise annual budget: n.a.

Approach costs were met by the following donors: government (Government covered costs related to workshop for women's groups); 10.0%; international non-government (Covered the expenses such as travel and materials.); 90.0%

### Os seguintes serviços ou incentivos foram fornecidos aos usuários de terras

- ☒ Apoio financeiro/material concedido aos usuários da terra  
☒ Subsídios para insumos específicos  
☐ Crédito  
☐ Outros incentivos ou instrumentos

### Apoio financeiro/material concedido aos usuários da terra

The state provided personnel support and facilities for meetings

metal door

Parcialmente financiado  
Totalmente financiado



transport cost  
fuel, taxi



A mão-de-obra dos usuários da terra foi

- ☒ Voluntário  
☐ Comida por trabalho  
☐ Paga em dinheiro  
☐ Recompensado com outras formas de apoio material

## ANÁLISE DE IMPACTOS E DECLARAÇÕES FINAIS

### Impactos da abordagem

Não  
Sim, pouco  
Sim, moderadamente  
Sim, significativamente

A abordagem auxiliou os usuários da terra a implementar e manter as tecnologias de GST?

The approach helped raise awareness on how to reduce the amount of organic material needed to meet the domestic fuel needs, and the saved material could be used as organic fertiliser.



A abordagem concedeu autonomia aos grupos social e economicamente desfavorecidos?

It improved the cooking conditions of women, and reduced their workload in the collation of natural resources to meet the household fuel needs.



A abordagem melhorou as questões de posse de terra/diretos do usuário que inibiam a implementação das tecnologias de GST?



Did other land users / projects adopt the Approach?



## Principal motivação dos usuários da terra para implementar a GST

- ☐ Produção aumentada
- ☒ Lucro (lucrabilidade) aumentado, melhora da relação custo-benefício
- ☐ Degradação do solo reduzida
- ☐ Riscos de desastre reduzido
- ☒ Carga de trabalho reduzida
- ☐ Pagamentos/subsídios
- ☒ normas e regulamentos (multas)/aplicação
- ☒ Prestígio, pressão social/coesão social
- ☒ Afiliação a movimento/projeto/grupo/rede
- ☒ Consciência ambiental
- ☐ Costumes e crenças, moral
- ☐ melhoria dos conhecimentos e aptidões de GST
- ☐ Melhoria estética
- ☐ Atenuação de conflitos

## Atividades de sustentabilidade de abordagem

Os usuários da terra podem sustentar o que foi implementado através da Abordagem (sem apoio externo)?

- ☐ Não
- ☒ Sim
- ☐ Incerto

The approach needs minimal finance to continue.

## CONCLUSÕES E EXPERIÊNCIAS ADQUIRIDAS

### Pontos fortes: visão do usuário de terra

- It is easy to train a group of women, it is much harder to train men. (How to sustain/ enhance this strength: The women could benefit from further instructions on how to train. )

### Pontos fortes: a visão do/a compilador/a ou de outra pessoa capacitada

- The approach incorporates government support. (How to sustain/ enhance this strength: It may mean that further approaches and endorsements will have government support and generate further interest from the authorities.)
- The approach is easy to replicate and has the potential to reach many beneficiaries. (How to sustain/ enhance this strength: It could be replicated in other areas and regions. )
- The approach is designed specifically for the target beneficiaries. (How to sustain/ enhance this strength: Other technologies that specifically benefit women could adopt this approach.)

### Pontos fracos/desvantagens/riscos: visão do usuário de terra como superar

### Pontos fracos/desvantagens/riscos: a visão do/a compilador/a ou de outra pessoa capacitada como superar

- Because the approach is specifically for women it could limit the uptake by men. Maybe subsequent training sessions could be held for men.
- Some of the poorer households were not in a position to contribute to buying the materials or to implement the technology. This, therefore, excluded the poorest in the community. Other members of the community could provide support. It should be noted that any contribution no matter how small puts a financial worth on the technology.

## REFERÊNCIAS

**Compilador/a**  
Sa'dy Odinaev

**Editores**

**Revisor**  
David Streiff  
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### Pessoas capacitadas

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### Descrição completa no banco de dados do WOCAT

[https://qcat.wocat.net/pt/wocat/approaches/view/approaches\\_2449/](https://qcat.wocat.net/pt/wocat/approaches/view/approaches_2449/)

### Dados GST vinculados

n.a.

### A documentação foi facilitada por

Instituição

- n.a.

Projeto

- Pilot Program for Climate Resilience, Tajikistan (WB / PPCR)

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