



Construction of Staggered Contour Trenches by local communities (Agha Khan Foundation (AKF))

## Community-based Natural Resource Management (ອັບການິດສະຖານ)

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### ຄຳອະທິບາຍ

#### An approach to community participation in the sustainable management of natural resources

The main objective of the intervention was to reduce the surface run-off and sediment flow from the selected degraded watershed, with soil and water conservation measures through community participation.

Agha Khan Foundation and representatives from the selected Community Development Councils (CDC) surveyed the area and discussed the main land use problems. On the basis of feasibility surveys, potential SLM technologies were identified and implemented. Contour lines were prepared with the help of an A-frame and lime. Several men from Zai Mahmood village were employed as daily wage workers for the technology implementation works. The land users used their own tools for trench excavation. Each worker excavated on an average one trench per day. The daily wage was 250 AFS/USD.

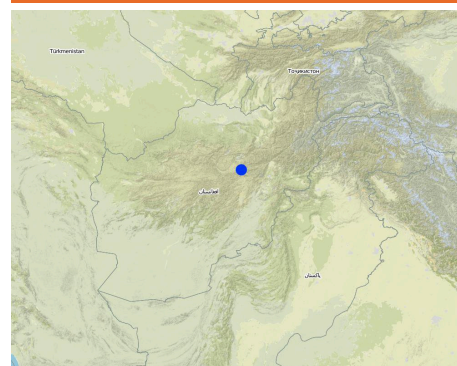
The project was executed over two years. In addition to the structural measures, training and exposure visits for watershed management committee and pasture committee members, reseeding of more areas, tree plantation campaigns and group-based women vegetable farming were realized. Women were employed for seed collection work with cash for work approach. The area was protected from grazing and shrub cutting pressure. Seeds of different fodder varieties and shrubs were also cultivated.

Since the realization of the project in 2008, soil and vegetation cover has improved, people's knowledge about soil and water conservation has increased, flash floods have been controlled and discharge in the spring located below the watershed has increased by about 40%. AKF continues to support the target communities with community development and institution building. The water-shed work is sustained by a watershed and pasture management committee appointed by the people from three respective CDCs.

The Community-Based Natural Resource Management approach is documented by Sustainable Land Management Project implemented/HELVETAS Swiss Intercooperation which is funded by Swiss Agency for Development and Cooperation with close support and cooperation of the Agha Khan Foundation (AKF).

The watershed project was funded by AusAID. The Agha Khan Foundation (AKF) facilitated the implementation by the community. The project was implemented in Zai Mahmood mountain slope area in Zai Mahmood village, Shiber district, Bamyan Province. The village, located downstream from the site, experienced problems such as excessive surface runoff/flash floods, snow avalanches, soil erosion, lack of drinking water, lack of soil moisture at the site.

### ສະຖານທີ່



**ສະຖານທີ່:** Bamyan center, Afghanistan, Zai Mahmood village, ອັບການິດສະຖານ

**ການຄັດເລືອກພື້ນທີ່ ທີ່ອີງໃສ່ຂໍ້ມູນທາງພູມິສາດ**

• 67.8196, 34.80814

**ວັນທີເລີ່ມຕົ້ນ:** 2008

**ປີຂອງການສິ້ນສຸດ:** n.a.

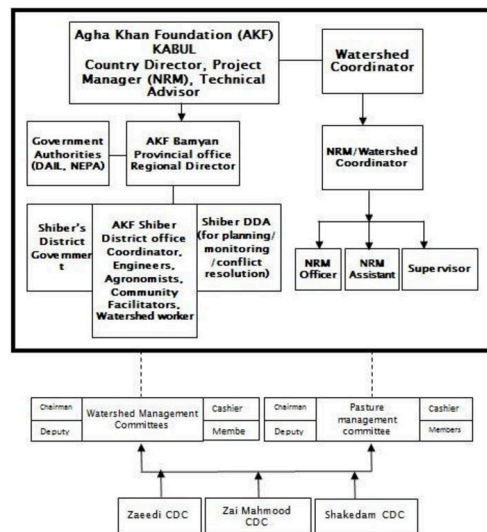
#### ປະເພດຂອງແນວທາງ

ພູມິສາດ / ທຸກໆປະເພດ  
ການລົງທຶນ ພາຍໃນ ນະຄອນ / ພາຍນອກ  
ກຸ່ມ  
ພາຍໃນ ຄຸນນະພາບ / ຜົນງານ



## ແຜນວາດສະແດງ

The organization structure of the NRM project implemented in Zai Mahmood village, Shiber district, Bamyan, Afghanistan



ຜູ້ອຸປະກອນ Agha Khan Foundation (AKF)

## ການຕັດສິນໃຈໃນການເລືອກເຕັກໂນໂລຢີ ການຄຸ້ມຄອງທີ່ດິນແບບຍືນຍົງ

### ການຕັດສິນໃຈ ດ້ານ

- ຜູ້ອຸປະກອນ ຊຶ່ງເປັນຜູ້ທີ່ມີຄວາມຮູ້ທາງດ້ານການຄຸ້ມຄອງທີ່ດິນ
- ຜູ້ອຸປະກອນ ຊຶ່ງມີຄວາມຮູ້ທາງດ້ານການສະໜັບສະໜູນ ແລະ ການຄຸ້ມຄອງທີ່ດິນ ບົດບາຍ
- ພາກສ່ວນກ່ຽວຂ້ອງທັງໝົດ ມີສ່ວນຮ່ວມໃນການຕັດສິນໃຈ ບົດບາຍ
- ຜູ້ອຸປະກອນ ວຽກງານການຄຸ້ມຄອງທີ່ດິນ ບົດບາຍ, ມີການຕິດຕາມປັບປຸງສາທາລະນະ
- ຜູ້ອຸປະກອນ ຊຶ່ງມີຄວາມຮູ້ທາງດ້ານການຄຸ້ມຄອງທີ່ດິນ ບົດບາຍ
- ຜູ້ອຸປະກອນ ຊຶ່ງມີຄວາມຮູ້ທາງດ້ານການຄຸ້ມຄອງທີ່ດິນ ບົດບາຍ
- ຜູ້ອຸປະກອນ ຊຶ່ງມີຄວາມຮູ້ທາງດ້ານການຄຸ້ມຄອງທີ່ດິນ ບົດບາຍ

### ກຳນົດສິນໃຈ ຈົບພຶດຕະການ

- ປະຕິບັດ ອອກກະສານຄວາມຮູ້ ວິໄນ ການຄຸ້ມຄອງທີ່ດິນ ບົດບາຍ (ຫຼັກການທີ່ຊຸດຍຸດ ນະຄອນລາວ)
- ຜູ້ອຸປະກອນ ຊຶ່ງມີຄວາມຮູ້ທາງດ້ານການຄຸ້ມຄອງທີ່ດິນ ບົດບາຍ
- ປະສົບການສູງກວ່າ ລະດາວຄິດ (ທີ່ບໍ່ມີປະສົບການ)

## ການສະໜັບສະໜູນ ຕາມຄວາມຕ້ອງການສັງຄົມອາດສາມາດ ລະບົບຄວາມຄວາມຮູ້

### ກິດຈະກຳ ດັ່ງລຸ່ມນີ້ ແມ່ນເປັນພາກສ່ວນຂອງແນວທາງ

- ການສັງຄົມສາມາດ / ການຝຶກອົບຮົມ
- ການບໍລິຫານ ຫຼັກປະຕິບັດ
- ສະຖາບັນການສັງຄົມສາມາດ ຂອງການພັດທະນາອຸດົມສາມາດຈັດຕັ້ງ
- ຕິດຕາມກວດກາ ລະບົບຜົນ
- ການຄຸ້ມຄອງ

## ການສ້າງຄວາມອາດສາມາດ / ຝຶກອົບຮົມ

### ໄດ້ສະໜັບສະໜູນຝຶກອົບຮົມໃຫ້ແກ່ພາກສ່ວນກ່ຽວຂ້ອງດັ່ງລຸ່ມນີ້

- ຜູ້ອຸປະກອນ ຊຶ່ງມີຄວາມຮູ້ທາງດ້ານການສະໜັບສະໜູນ
- ພະນັກງານພາກສະໜັບສະໜູນ ທີ່ບໍ່ມີຄວາມຮູ້

### ຮູບແບບການຝຶກອົບຮົມ

- ການຝຶກອົບຮົມ
- ຕົວຕົນ
- ຜູ້ທີ່ສູນຫຼັງລອງ
- ກອງປະຊຸມ
- ຫຼັກສູດ

### ກວມເອົາຫົວຂໍ້

Vegetable farming for women; soil and water conservation; watershed management; pasture management. Training was mainly on-the-job, and awareness was raised through public meetings, site visits and demonstrations.

## ການບໍລິຫານທາງດ້ານການໃຫ້ຄໍາປຶກສາ

### ໄດ້ຮັບການບໍລິຫານທາງດ້ານການໃຫ້ຄໍາປຶກສາ

- ນັກວິຊາການຜູ້ອຸປະກອນ ຊຶ່ງມີຄວາມຮູ້ທາງດ້ານການສະໜັບສະໜູນ
- ສຳນັກວິຊາການ

On-site visits by DAIL (Department of Agriculture, Irrigation and Livestock; Key elements: Pasture management, Site selection

Advisory service is quite adequate to ensure the continuation of land conservation activities; The government or other advisory service is quite adequate to ensure the continuation of land conservation activities although the staff turnover rate in government sector is high. DAIL Bamyan office has the technical capacity but not adequate financial resources.

## ຄວາມເຂັ້ມແຂງຂອງສະຖາບັນ

### ສະຖາບັນ ໄດ້ຮັບການສ້າງຄວາມເຂັ້ມແຂງ

- ບໍລິຫານ
- ມີ, ບໍ່ມີ ບໍ່ມີ
- ມີ, ບໍ່ມີ ບໍ່ມີ
- ມີ, ບໍ່ມີ ບໍ່ມີ

### ໃນລະດັບດັ່ງລຸ່ມນີ້

- ທຸກໆຄັ້ງ
- ລະດັບພາກສະໜັບສະໜູນ
- ບໍ່ມີ

### ອະທິບາຍສະຖາບັນ, ພາລະບົດບາດແລະຄວາມຮັບຜິດຊອບ, ສະມາຊິກ, ແລະອື່ນໆ.

### ຮູບແບບການສະໜັບສະໜູນ

- ທາງດ້ານການບໍລິຫານ
- ການສັງຄົມສາມາດ / ການຝຶກອົບຮົມ
- ອຸປະກອນ

### ລາຍລະອຽດເພີ່ມເຕີມ

CDCs and District Development Assembly (DDA) in terms of financial and capacity building of participating

bio-physical aspects were regular monitored by project staff, land users through measurements; indicators: Biomass before and after technical aspects were ad hoc monitored by project staff, land users through observations; indicators: growth of saplings, shrubs and fodder grasses (alfalfa) socio-cultural aspects were ad hoc monitored by project staff, land users through measurements; indicators: Water availability, food security, income economic / production aspects were regular monitored by project staff through measurements; indicators: fodder production, income area treated aspects were ad hoc monitored by project staff through measurements; indicators: areas where technology was applied no. of land users involved aspects were regular monitored by project staff, land users through measurements; indicators: CDCs and men and women involved management of Approach aspects were regular monitored by project staff, government, land users through observations; indicators: area protected or not There were few changes in the Approach as a result of monitoring and evaluation: Women has given some more chances for the participation but still there is long way to go. There were some technology refinements and adjustments in project management.

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ປັບປຸງລ່າສຸດ: April 18, 2019

#### ບຸກຄົນທີ່ສ້າງ

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#### ການບັນຍາຍລາຍລະອຽດ ໃນຖານຂໍ້ມູນ ຂອງ WOCAT

[https://qcat.wocat.net/lo/wocat/approaches/view/approaches\\_2542/](https://qcat.wocat.net/lo/wocat/approaches/view/approaches_2542/)

#### ຂໍ້ມູນການເຊື່ອມໂຍງຂໍ້ມູນການຄຸ້ມຄອງການນໍາໃຊ້ດິນແບບຍືນຍົງ

Technologies: Staggered Contour Trench [https://qcat.wocat.net/lo/wocat/technologies/view/technologies\\_1715/](https://qcat.wocat.net/lo/wocat/technologies/view/technologies_1715/)  
Technologies: Staggered Contour Trench [https://qcat.wocat.net/lo/wocat/technologies/view/technologies\\_1715/](https://qcat.wocat.net/lo/wocat/technologies/view/technologies_1715/)

#### ເອກກະສານ ແມ່ນໄດ້ອໍານວຍຄວາມສະດວກໂດຍ

##### ສະຖາບັນ

- HELVETAS (Swiss Intercooperation)

##### ☐ ເຫງານ

- n.a.

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