

SASOL/EX-CHANGE

Evaluation 2002-2006

February 2007

Summary of the evaluation of the co-operation SASOL EX-CHANGE over the period 2002 up to and including 2006

Presence:	SASOL	Prof. Mutiso Sam Mutiso Mutinda Munguti
	Ex-change	Henk Haring Ron Creuzburg
	Facilitator	Adriaan Vrienten

Henk introduces Ron as a ICT expert to develop the ICT program for the coming years.

Evaluation by Sasol.

The benefits for Sasol:

Water production:

The output till now are 31 dams in the extreme South.

The dam type in the south is different from the type of dam in the other parts of the Kitui district. (bigger average length)

So Sasol could develop this type of dam.

Capacity building

The strategy of Sasol moves towards capacity building for communities in the Kitui district.

Ex-change facilitates Sasol to realise this move and worked as a catalyst for Sasol.

To imaging the future and prepare the second generation Sasol.

The benefits for communities in the South.

The benefit for the communities is water.

In average a dam provides 45 households (7 people per households of water).

So the dams funded by Ex-change provide 1395 households. In average 9765 people.

But people from other communities are also coming for water.

The utilisation is 70% related to maturity.

The available water is mostly used for domestic purpose.

Water is also used for agriculture production but for quantifying it is too early.

One of the benefits for the people of the communities is that time, spent on fetching water, is decreased. So they can spend time on labour like agriculture.

The sanitation circumstances can be improved because of the presence of water.

A side effect is that youngsters, who went to the cities for work, are coming back because of the opportunities given by the presence of water.

The benefits for the communities in Central Kitui.

Water quality:

Water samples of dams are taken and analysed.

Related to water purification a ceramic filter is developed and is in the testing fase.

It will be produced by a local enterprise.

Agriculture:

There is progress in agriculture matters.

Activities till now were :

Give background information

Searching for alternative methods

Drip irrigation.

It were pilot activities and test for individual farmers.

In the future it should be extended to functional groups of farmers.

More students are need to realise it.

Energy.

Solar cooking has failed for the rural households. Reason is the effective use related to sunshine and the time schedule for cooking by the households were not in harmony.

The so called gico is a relevant innovation and will be extended.

A biogas installation is developed and will produced and tested for lightning at schools.

Pump technology.

The rope pump is developed and tested.

Students from Ex-change produced the rope pump at Kitui Polytechnics.

The rope pump is tested versus the afridev pump.

The rope pump is to vulnerable.

The Kawongo pump is now introduced and tested.

This pump is more satisfying and will be produced by the polytechnics.

Trade and Marketing:

Information and data are collected about the possibilities about trade and marketing in the centre.

ICT:

Computers are placed in 13 schools.

One primary school, one polytechnics and 11 secondary schools.

It were all schools without computers.

At the Sasol office a Information and Communication Centre (ICC), oriented to the communities, is installed. It will be finished in 2008.

The benefits for Ex-change:

The main objectives of Ex-change are:

- Organising active and relevant involvement of Dutch students and their environments in developing work which is of value for their educational demands.
- Realising sustainable development of local communities and vocational education and training through formal and non formal learning and working activities aimed at development of relevant and needed activities in any sector in development countries.
- Exchanging skills, knowledge, understanding and awareness between Dutch students and local students , communities and organisations in developing countries.

Ex-change concluded that most of the major goals are realised. Vocational education and training should be more emphasised in the future.

Both Sasol and Ex-change decided that to continue the co-operation.