

Appendix A: Log-frame SASOL Ex-change 2008-2010

	Objectives	Outcomes	Activities	Indicators	Verification	Conditions
1a. Sand dam						
SASOL	To make access to water for 75000 people in 2010	75 % corresponding to 55000 people serviced with water in 2010	To construct 150 sand dams in Kitui South and Yatta Plateau	30 dams constructed in South and 150 in Yatta Plateau	Annual operations report Annual technical report Annual financial report Technical report per dam	Community participation Students Funding
EX-CHANGE	To make access to water for 20000 people in 2010 in Kitui South	75% corresponding to 15000 people serviced with water in 2010	Funding and/or building with student teams of 30 dams in the Muda/Kansiko area	2008 10 dams 2009 10 dams 2010 10 dams	Annual financial and technical report by Sasol January next year Yearly internal evaluation report	Funding Students Internal capacity of Sasol
1b. water management						
SASOL	Sustainable water supply	Sustained water supply for communities	Study and survey to improve sustainability by interventions and evaluation of environmental impacts	Case study finished for one catchment of approximate 10 sand storage dams in 2010	Annual report	Funding Students
EX-CHANGE			One team a year		Students reports	Students Funding
2. Water Quality						
SASOL	Characterisation and improvement of water quality	Increased health of people	Set up specific water quality purification system Collect data by mobile kits and lab analyses Training Case study of 1 catchment	2008-2010: Collected data for Sasol's cascade technology. Set up purification system. Finished case study. Trained catchment community	Quarterly report	Students Funding
EX-CHANGE			3 teams a year		Student reports	Students Funding

	Objectives	Outcomes	Activities	Indicators	Verification	Conditions
3. Extraction and distribution						
SASOL	Safe, efficient and convenient means of extraction and distribution	Maintained secure water sources and distribution process	Development of appropriate extraction and distribution systems e.g. cuts, bucket drips, pumps, irrigate systems	2008-2010 Modified tested and implemented distribution systems	Episodic observation and measurements	Working systems Willingness of Kitui Polytechnics
EX-CHANGE			2 teams a year mechanical and irrigation engineers			Students Funding
4. Small business development/trade and marketing						
SASOL	Enable communities to exploit local resources for business activities and get access to markets for all possible products	Improved business activities Efficient and effective business for profitability	Collect and offer product data for communities for the benefit of production and trading Training in business development Mobilise and organise functional groups	2008-2010 build up longitudinal data. Organised functional groups. Trained functional groups in business development.	Continuous market data	Collector and analyst of generalised data
EX-CHANGE			Collecting data by trade and marketing teams			Students Funding
5. ICT						
SASOL	Develop access to ICT for communities and institutions in Kitui	Improved and increased access to ICT of schools and market centres	2008 Sasol ICC 2 schools upgrading to ICC 2 schools to level 4 6 schools to level 1 2 polytechnics to level 4	2008: SASOL ICC ready, 2 schools level 3, 3 level 1 2009: 2 schools level 4, 2 level 3, 3 level 1 2010: 2 schools ICC, 2 level 4	Plan of approach Annual progress report	Funding Students
EX-CHANGE			Supply equipment 3 ICT development teams a year			Students Funding

	Objectives	Outcomes	Activities	Indicators	Verification	Conditions
6. Energy						
SASOL	Improve the quality of life for communities by improving energy use	Kitui communities make appropriate use of energy sources and equipment	Collect information on community energy needs Identify relevant systems and technology to provide the energy needs Prototype, test, train and disseminate energy systems	2008-2010: Collected energy needs of households Identified relevant systems Developed useful energy systems 2008 start tree nursery	Annual report	Effective trials Testing
EX-CHANGE			1 energy team a year		Student reports	Students Funding
7. Hygiene, sanitation, nutrition						
SASOL	Communities adopt to essential practices in hygiene, sanitation and nutrition	Better health Reduce disease incidents	Collecting relevant data Develop hygiene, sanitation and nutrition materials	2008-2010: Collected relevant data. Transferred nutrition data in training materials Pre-tested and revised curriculum, trained representatives of communities	Training report Testing nutrition materials	Community interest and participation Funding
EX-CHANGE			Teams for hygiene, sanitation and nutrition			Students Funding
8. Vocational education and training						
SASOL	Empowering communities to embrace innovations and social systems	Improved skills and knowledge available for income generation	Build a relationship with polytechnics Support vocational facilities and innovation Training	2008: strong relationship with 2 polytechnics 2010: 2 polytechnics as centre of excellence	Plan of approach Annual report	Co-operation of polytechnics Funding
EX-CHANGE			Materials, knowledge, trainin			Funding

	Objectives	Outcomes	Activities	Indicators	Verification	Conditions
9. Physical infrastructure						
SASOL	Improve the physical infrastructure for The sake of education and capacity building	Improved infrastructure including design, materials, construction techniques, building innovation	3 multi purpose community buildings 3 school improvement programs Collect relevant data Prototyping materials and buildings	Constructed one multi purpose community building a year. Started one school improvement program a year	Progress and completion reports	Design Relevant technicians
EX-CHANGE			2 student teams a year one for preparation, one for construction Sponsor involvement			Students Funding