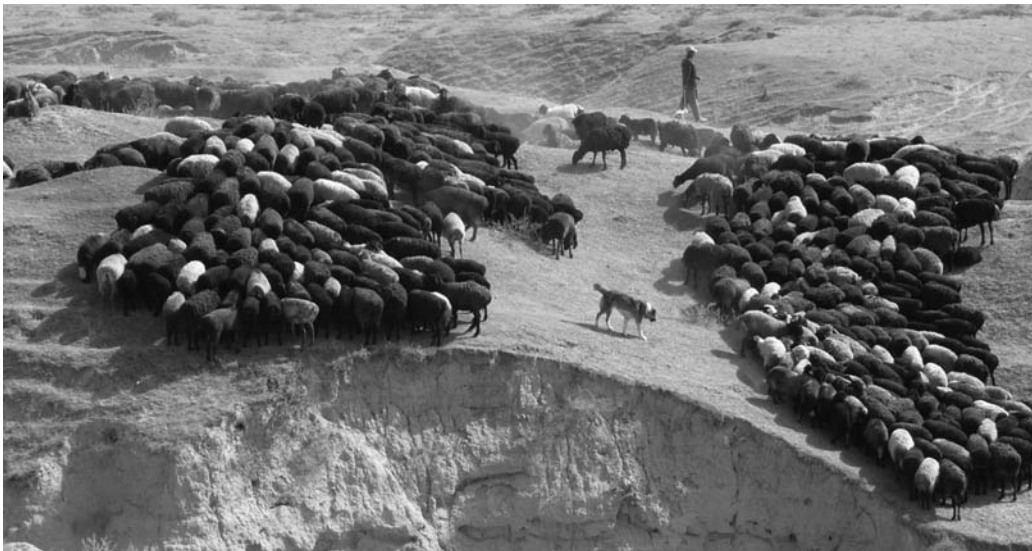


TAJIKISTAN: Sustainable Pasture, Arable and Forest Land Management



Free Grazing Sheep in Project Area

Agriculture is an important sector of the economy in Tajikistan which accounts for 24% of GDP, and employs 66% of the labour force. About 70% of the population lives in rural areas and relies mainly on agriculture for its livelihood. Yet agriculture is underperforming. The main factors inhibiting effective agricultural growth and development are restrictions in farming and commercial activity, the limited number of support services coupled with a poor level of infrastructure, sharp soil degradation, and weak institutions.

It is against this background the Rural Development Project has been designed. The objective is to increase farm and non-farm incomes of the rural poor by improving the productivity of farms and rural enterprises within an environmentally sustainable management framework.

Project Executing Agency is the Ministry of Agriculture and Nature Protection. Implementing Agency is the State Committee for Land Management. The Project is financed by way of ADB loan (US\$ 8.8 million) and ADB grant (US\$ 8.3 million), and a GEF grant of US\$ 3.5 million.

Following the tender in early 2010, the consulting services for Component 1: Policy and Institutional Development and Reform and for Component 2: Sustainable Land Management (Pasture, Arable, and

Change in GITEC's Leadership

With the 1st of January 2011 Dipl.-Wirt.-Ing. Thomas Harbauer is succeeding Dr.-Ing. Gert Bergen as General Manager of GITEC Consult GmbH. Mr. Harbauer will manage the company together with Dipl.-Ing. Andreas Oberländer (Managing Director). After a long-standing dedicated and successful activity in the management Dr.-Ing. Gert Bergen is leaving GITEC for retirement.

Since more than 35 years Dr.-Ing. Bergen has worked for GITEC in different positions as Project Manager, Head of Department and since 18 years as General Manager he led GITEC to its international success, for which he was instrumental.

Mr. Harbauer started his career with the DEG, a subsidiary of KfW, as Investment Manager where he was responsible for the

Forest Land) was commissioned to GITEC Consult GmbH in association with our local partner.

The advisory services and training will be implemented during a period of 3.5 years between 2010 and 2014. The expert team is composed of 13 international and 15 national specialists with a total of 626 person-months of services. Mobilisation started in early August 2010. Team Leader and Range Land Management Expert is Mr. Paul Strong who is supported by GITEC's Head-office Project Director Mr. Peter Keil-Bruder.

The Project addresses (i) land use security; (ii) policies and strategy for effective pasture land management;

(iii) the capacity and technical aspects of degradation of arable, pasture, and forest lands; (iv) the establishment of independent agriculture and rural business advisory services and effective market.

project funding of investment plans for German companies in South America, Asia and Eastern Europe. Before joining GITEC he worked as Director of Dyckerhoff AG and as Member of the Board of Dyckerhoff Basal Nederland b.v., an international producer of construction materials. There, he was responsible for the operative entities in the Netherlands and Germany.



*Dipl.-Wirt.-Ing.
Thomas Harbauer*

BOLIVIA: Water Supply Project Sucre III

Since 1989 the Federal Republic of Germany provides financial support through KfW to the Water Supply and Sanitation Utility of Sucre (Empresa Local de Agua Potable y Alcantarillado de Sucre – ELAPAS) to implement projects for improvement of water supply and sanitation infrastructure (Sucre I & II).

In August 2010 GITEC, in association with one international and two local firms, has been entrusted with consulting services comprising the elaboration of a feasibility

study for the project “Water Supply, Sucre III (Sasanta-Yurubamba)”. Funds for the planned investments to build a dam, a drinking water treatment plant as well as rehabilitation and extension of transmission lines will be provided by the KfW (contributing EUR 10,6 million) and by the Japanese financial co-operation (JICA).

Main objective of the project is to assure the supply of drinking water for the city of Sucre. An integrated water resource management system shall ensure in short-,

medium- and long-term considerations reliability and sustainability of the service as well as preservation of the environment in the project area.

The study and design services are subdivided into four phases:

- Basic investigations and complementary site studies;
- Elaboration of a conceptual plan;
- Elaboration of a feasibility study;
- Elaboration of an implementation plan for final design and construction supervision.

Consulting services commenced in September 2010 and completion of study works is scheduled for June 2011. Besides the Team Leader Mr. Rudolph Witte (Civil Engineer) the team comprises experts for hydraulic engineering, hydrology, dam design, agronomy, GIS, environmental engineering and socio-economics.



Project Team during Field Visit in Project Area

REPUBLIC OF SYRIA: Health and Socio-Economic Impact Study

Early in the decade, the German Government agreed to finance the improvement of the water supply system of the city of Aleppo (2.3 million inhabitants). The corresponding feasibility study, which was carried out in 2007 with GITEC as associated partner, stipulated that implementation would be in four phases comprising technically and financially coherent packages.

The overall project objective of improving the living conditions of the city population includes improving the health situation, to be measured through a set of surveys on health impact. In February 2010, following a tender procedure, GITEC was entrusted by the Water Establishment of Aleppo (PEWSSA) to carry out said surveys in the project area of Phase 1 of the planned investment programme in the city districts Ashrafiyah and Maksood.

The study, which is implemented in co-operation with the University of Aleppo, evaluates the incidence of water-related diseases and will indicate the relation between project measures and health impact, based on uni-, bi- and multivariate

statistical analysis. It follows the design of a prospective health impact assessment with pre- and post-intervention cross-sectional surveys, matched survey localities (case and control), focus groups and in-depth interviews with project stakeholders, the observation of health and hygiene practices and a water quality survey, supplemented by the collection of secondary data.

So far two baseline surveys have been conducted by our study team, one in winter and the other one in summer 2010, and a

baseline report was prepared. The data contained therein have been closely controlled for quality, including the control of confounding factors. They will be compared with the results of two follow-up surveys to be carried out in 2013, when construction work will be completed and the improved water supply system in use.

The study team of two international and three local experts is headed by Mr. Dipl. rer. pol. Holger Merks.



Solid Waste Collection

TANZANIA: Feasibility Study for the Rehabilitation and Extension of the Makonde Rural Water Supply Scheme

GITEC as part of a German-Tanzanian consortium was awarded to conduct a Feasibility Study for the Rehabilitation and Extension of the Makonde Rural Water Supply Scheme financed by the German Government through GTZ.

The Ministry of Water and Irrigation and the Makonde Water Supply Authority intend to rehabilitate, improve and extend the existing water supply scheme within its supply area on the Makonde Plateau which comprises parts of the Newala, Tandahimba and Mtwara Rural Districts in the Mtwara Region. Presently the available water sources and water production are inadequate to meet the demand. Improvement in water supply services is required through development of additional water sources and rehabilitation of the existing dilapidated infrastructure.

The feasibility study which will be embedded into the Tanzanian water sector reform process is envisaged to define

measures to achieve a water supply system sustainable in technical, environmental, economical as well as in social and institutional terms.

The services which GITEC and its partners are rendering for this study comprise:

- Study of basic conditions and conceptual options including socio-economic situation, technical inventory and problem analysis including the definition and study of options for technical project concepts/outlines for immediate measures, medium term and long-term development as well as a selection and justification of a initial investment project;
- Feasibility study including preliminary design of a first phase project as basis for application for funding;
- Comprehensive study on the institutional and organisational framework conditions

including proposal for required capacity building measures.



Water Supply Booster Station

Mobilisation of the experts took place in August 2010. The given time frame of the study is five months. GITEC is responsible for the technical aspects of the study.

TANZANIA: Groundwater Assessment Study Pangani River Basin

In July 2010 GITEC and its local partner firm were awarded a contract by the International Union for Conservation of Nature (IUCN) for the Groundwater Assessment Study of the Area of the Tanzanian Pangani River Basin.

The Pangani River Basin Management Project (PRBMP) is an initiative of the Government of Tanzania, the IUCN, the Global Environmental Facility through UNDP, and the European Commission. The Project goal is to mainstream the approaches to deal with the negative effects of climate change into Integrated Water Resources Management (IWRM) in the Pangani River Basin, in order to support the equitable provision of freshwater for the environment and for livelihoods for future generations.

The services of the groundwater assessment study include:

- Determination of the availability of groundwater, assessment of demand for groundwater and its development potential by considering: (i) Volume and

- (iv) Groundwater quality and its limitations;
- (v) Cost effectiveness of developing groundwater resources;
- (vi) Hydro-geological modelling and mapping;
- (vii) Environmental and other non-economic factors;
- (viii) Protection of potential vulnerable aquifers;



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Massai Women at a Shallow Well in the Massai Steppe of the Pangani Basin

- (ii) Groundwater recharge mechanisms in the basin;
- (iii) Annual safe yield of groundwater;

- Design a groundwater management framework which can be incorporated into an IWRM plan for the whole basin;
- Capacity building of the Pangani Basin Water Board and key stakeholders in groundwater assessment and management.

GITEC's study team is headed by Dipl.-Ing. geol. Dieter Sauer and is based in Moshi. The team is composed by two international and two local experts. Study works commenced in August 2010 and are expected to be finalised in April 2011.

LAO PDR: Supplemental Project Preparation Feasibility Study for Rural Infrastructure Programme IV

In June 2010, GITEC started Phase III of the Rural Infrastructure Programme (RIP) under Lao-German bilateral financial co-operation (KfW) with the Ministry of Public Works and Transport (MPWT), implemented in the Provinces of Sayaboury and Attapeu in the North-West respectively South of Lao PDR. In August 2010, the MPWT entrusted GITEC with a Supplemental Project Preparatory Study (SPPS) for a planned Phase IV of RIP, to be implemented again in the Provinces of Sayaboury and Attapeu.



Market Scene in Attapeu

Accordingly, between mid-July and mid-October 2010, the GITEC Team, under the

guidance of the study team leader, Mr. Rainer Kuhnle (Dipl.-Wirt.-Ing.), prepared a comprehensive SPPS covering, among others, the following aspects:

- Characteristics of the programme region;
- Institutional framework for project implementation;
- Assessment and ranking of candidate roads;
- Preliminary Engineering Designs (with digital GPS method) and Cost Analysis;
- Identification of other rural infrastructure, such as markets, bus stands, or boat landing ramps;
- Climate Proofing of the programme, identifying adaptation and mitigation measures;
- Environmental Analysis of candidate roads;
- Formulation of implementation programme, including assessment of impacts and risk analysis.



Rural Road in Project Area to be Improved

The SPPS served as a major input for KfW's programme appraisal mission carried out in November 2010. It is planned to start Phase IV of RIP already in the first half of 2011, overlapping with Phase III, to ensure a continuous and efficient implementation and cost savings due to synergies.

NEWS:

Dr.-Ing. Gert Bergen, General Manager of GITEC, was invited by the CDU/CSU parliamentary group to deliver a speech on "Water for People" within the workshop "Water – A Key to Sustainable Development". The workshop took place 7th of October at the Paul-Löbe-Building in Berlin. ***** Once again GITEC Consult is looking back on a successful and prosperous year, with new projects and new clients.

At the end of this year

we would like to thank our Clients and Partners

for the confidence and effective co-operation we have enjoyed,

and to express our best wishes for a successful 2011!

GITEC® Consult GmbH

Integrated Consulting Services Worldwide is our Programme

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