



Community Action in Integrated and Market Oriented Feed-Livestock Production in Central & South Asia

Duration of the project: 1 June 2006 – 31 May 2009

Project sites:

Central Asia:
Kyrgyzstan: Kemin & Chuy district (90 & 75 km from Bishkek)
Kazakhstan: Arys district (90 km from Shymkent)
Tajikistan: Bobojon Gafurov district (30 km from Khojand) and Vakhdat district (35 km from Dujanbe)

South Asia:
Pakistan: Rainfed site: Gujar Khan/Talagan
Irrigated site: Sargodha



Coordinating partner institutes

- Tajikistan: Tajik Scientific Research Institute of Livestock Breeding:
Amir Karakulov, Matazim Kasimov (Sogd Branch)
- Kazakhstan: South-West Center of Agriculture:
Abdrahman M. Ombaev
- Kyrgyzstan: Kyrgyz Institute of Livestock, Veterinary and Rangelands:
Rysbek Nurgaziev
- Pakistan: National Agricultural Research Centre:
Sartaj Khan
Fodder Research Institute:
Akthar Ali



Integrated Project

Theme 1: Socioeconomics

Aden Aw-Hassan, Principal investigators from each country, CA:
Nariman Nishanov,

Theme 2: Range and Forage Productivity

Asamoah Larbi, Principal investigators from each country, CA:
Aziz Nurbekov

Theme 3: Livestock productivity

Luis Iñiguez, Barbara Rischkowsky, Principal investigators from each country, CA: 1 vacant NPO position,

Theme 4: Knowledge exchange & Capacity building

Asamoah Larbi, National Coordinators



Theme 1: Socioeconomics

1 Analysis of rural livelihoods in Kazakhstan, Kyrgyzstan, Tajikistan & Pakistan

- understanding of constraints
- baseline data for assessing effects on livelihoods



2 Socioeconomic Evaluation of the technology options (impact on rural livelihoods)

- cost-benefit analysis
- comprehensive assessment of effects on livelihoods & on



Theme 1: Socioeconomics

3 Analysis of markets and farmers' access to markets

in Kazakhstan (lambs)
in Kyrgyzstan (lambs)
in Tajikistan (Mohair and lambs)
in Pakistan (forage and seed production)

- Market chain analysis
- Opportunities for new products





Theme 2: Range and Forage Productivity

- 1 Assessment of current status of feeding practices and fodder crop production**
- 2 Evaluation and dissemination of improved fodder crops and agronomic packages**
 - Introduction of new forages and cultivars
 - Integration of forages in cropping systems
 - Establishment of seed production



Theme 2: Range and Forage Productivity

- 3 Improving feed production from degraded rangelands around villages**
 - Rotational grazing in winter ranges in Tajikistan and in medium size farms in Kazakhstan
 - Reintroduction of rotational grazing between winter and summer ranges for small farmers in CA
 - Improvements of haymaking fields in natural ranges in Kyrgyzstan, Kazakhstan & Tajikistan





Theme 2: Range and Forage Productivity

4 Testing conservation methods for forage (mainly hay)

5 Strategic supplementation to improve milk, meat & wool production

- Using newly introduced forages
- Using hay from improved hayfields
- Testing new mixtures



Theme 3: Livestock productivity

1 Improvement of livestock management to increase productivity on small farms in Kyrgyzstan & Tajikistan

- Integrating management of
 - lambing/kidding period
 - feeding system
 - kid and lamb management
 - animal health
- Comparison of improved versus traditional





Theme 3: Livestock productivity

2 Testing specific management interventions (early lambing, early weaning & lamb fattening) in Kazakhstan

3 Production diversification: introducing sheep milk production in Kyrgyzstan

- Testing on a medium size pilot farm
- Evaluation of performance and economics of dairy Awassi sheep farming
- Set up a milk processing unit for sheep milk



Theme 3: Livestock productivity

4 Decentralized & participatory breeding plan for farmers to access improved animals

Merino sheep in Kyrgyzstan:

- Improved rams from research breeding station
- To be jointly selected by farmers and researchers

Mohair goats in Tajikistan:

- Selection of best bucks in village flocks
- Importing semen from fine fiber bucks from South Africa





Theme 3: Livestock productivity

5 Value addition to livestock products

- Improved processing of dairy products in Kazakhstan, Kyrgyzstan & Pakistan
- Local processing of goat fibers by women in Tajikistan



Theme 4: Knowledge exchange & Capacity building

Knowledge exchange

- Field days: farmers, extension services, researchers, students, policy makers, private enterprise
- Traveling workshop for farmers?
- Workshops: Planning workshops at national and regional level to exchange results and experiences at all level
- Virtual Information Centre at project level

Capacity building

- Training of farmers and other stakeholders



Theme 4: Knowledge exchange & Capacity building

Capacity building for scientists

- Training in Socioeconomics: regional workshop in March 2007
- Training at ICARDA: staff & students
- English Training for 10-12 scientists in CA: December 2007 – February 2008
- Training at other institutions
- National training workshops for special skills
- Inclusion of PhD and MSc students



Knowledge exchange: Regional workshops

Objectives

- Get acquainted with the activities in the other participating countries
- Exchange of experience and preliminary results with examples from each Theme
- Compare approaches in Central Asia and Pakistan
- Base for discussions in SCM

