

# **NCCR North–South**

**Funded by the Swiss National Science  
Foundation (SNSF)  
and the  
Swiss Agency for Development and  
Cooperation (SDC)**

## **JACS Central Asia (CAS) Introduction and overview of activities**

**Mira Arynova, Regional Coordinator**

**NEESPI workshop, Bishkek, 10 September 2009**

# Long-term vision of the NCCR North-South

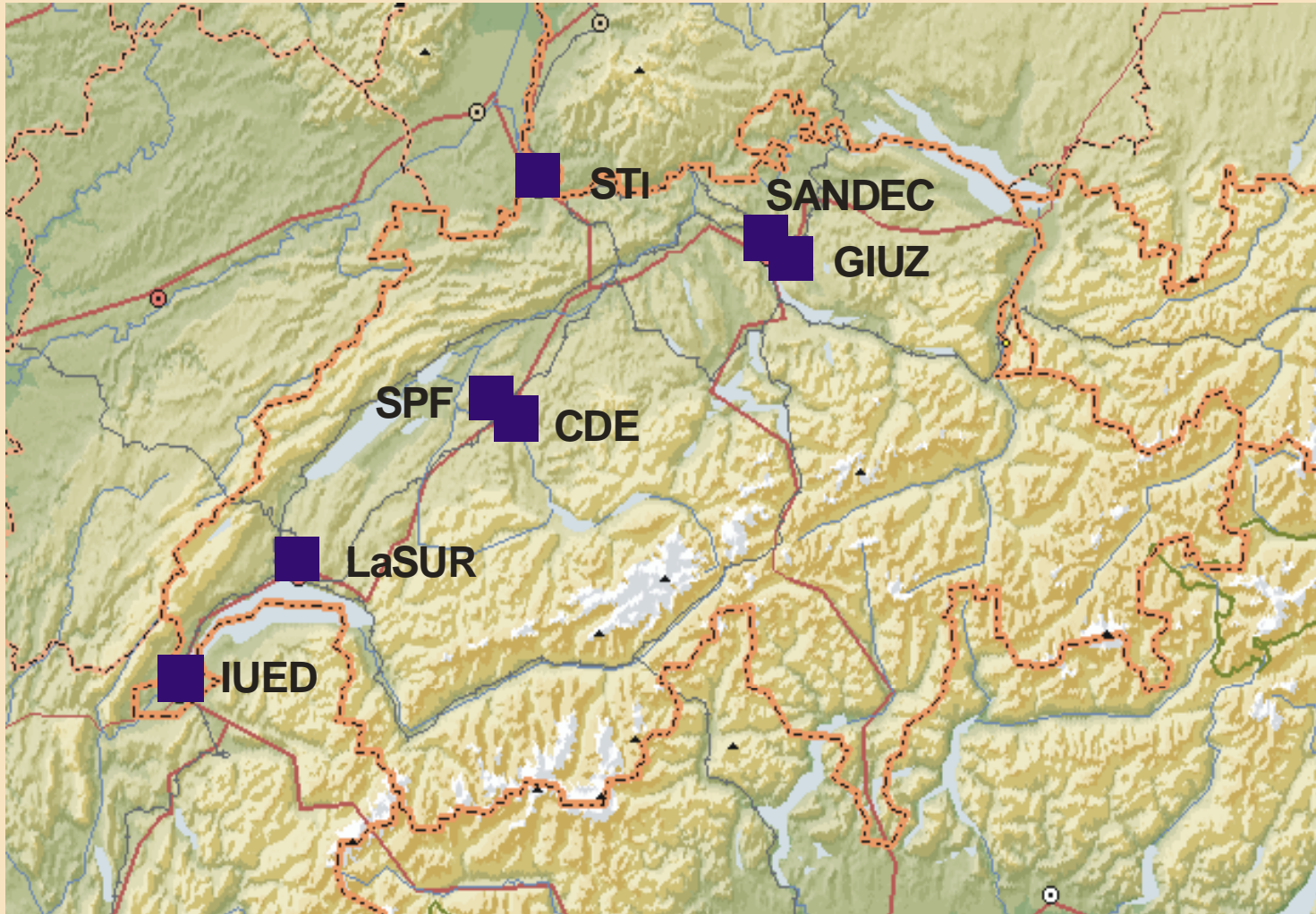
- Research
- Capacity building through education
- Societal empowerment



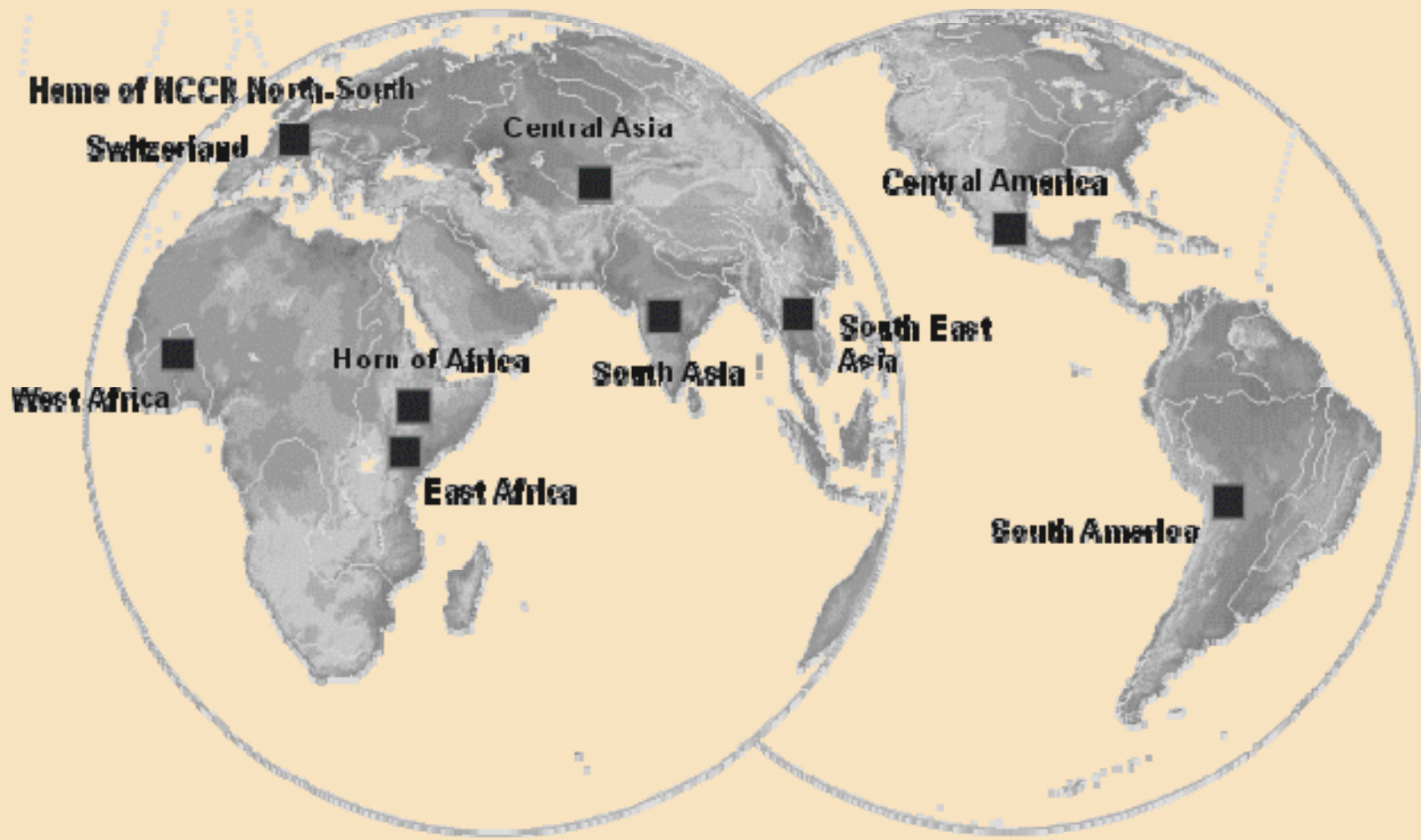
# „Research Partnerships for Mitigating Syndromes of Global Change“

- Swiss Program 2001-2013
- 9 regions including Central Asia (CAS)
- > 400 researchers
  - >100 PhD studies
  - > 200-300 MSc studies
  - > 1 publication per day
- Based on KFPE research partnership principles
- Focus on Kyrgyzstan and Tajikistan
- Regional Coordination Office in Bishkek / branch office in Dushanbe

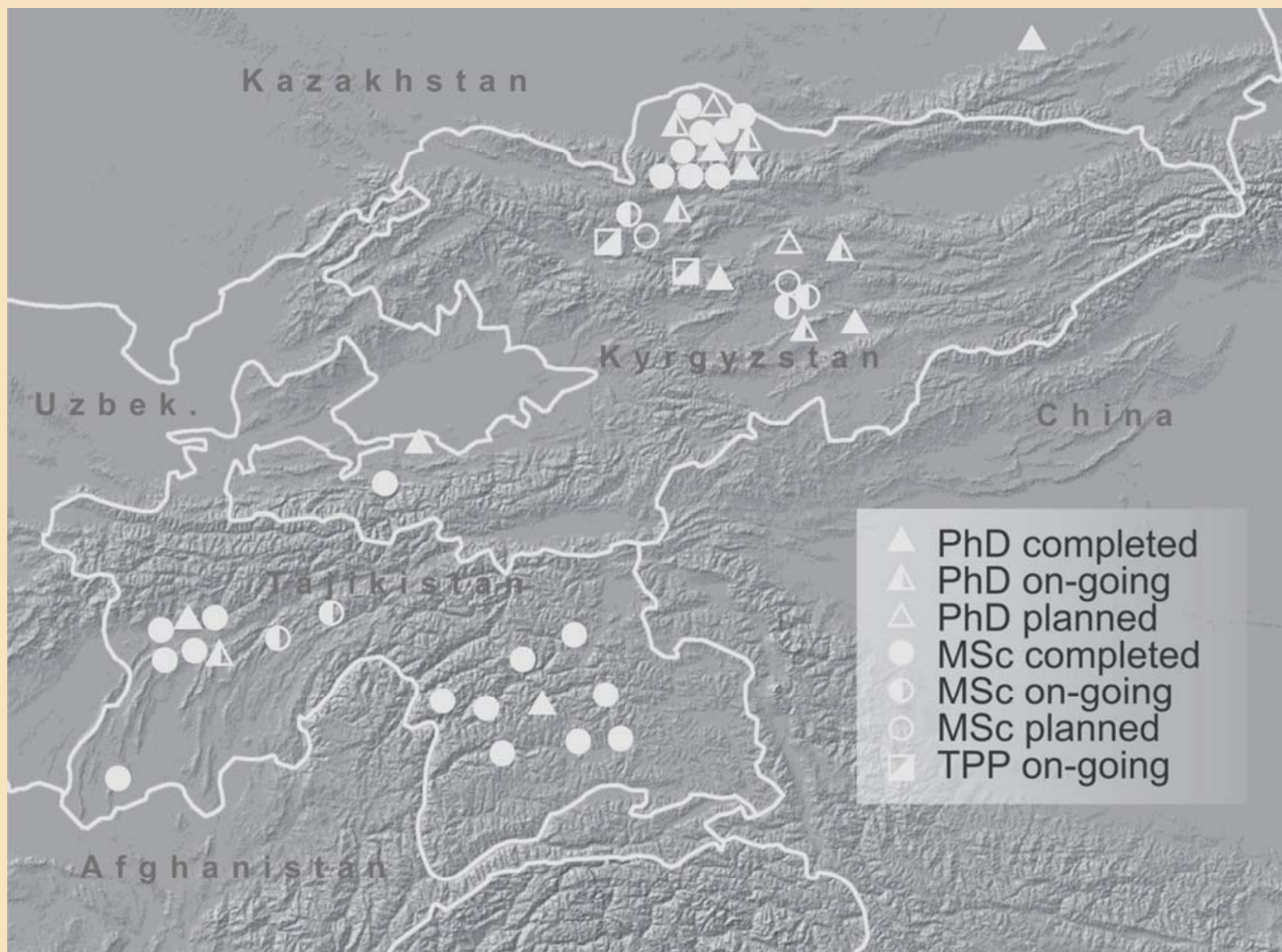
# Swiss Institutional Partners (IPs)



# NCCR North-South Network of “Joint Areas of Case Studies” (JACS)



# Geographical distribution of PhD, MSc/BSc and TPP related studies in CAS



# Research Strategy: Lead Themes

## 1. Water management and agriculture



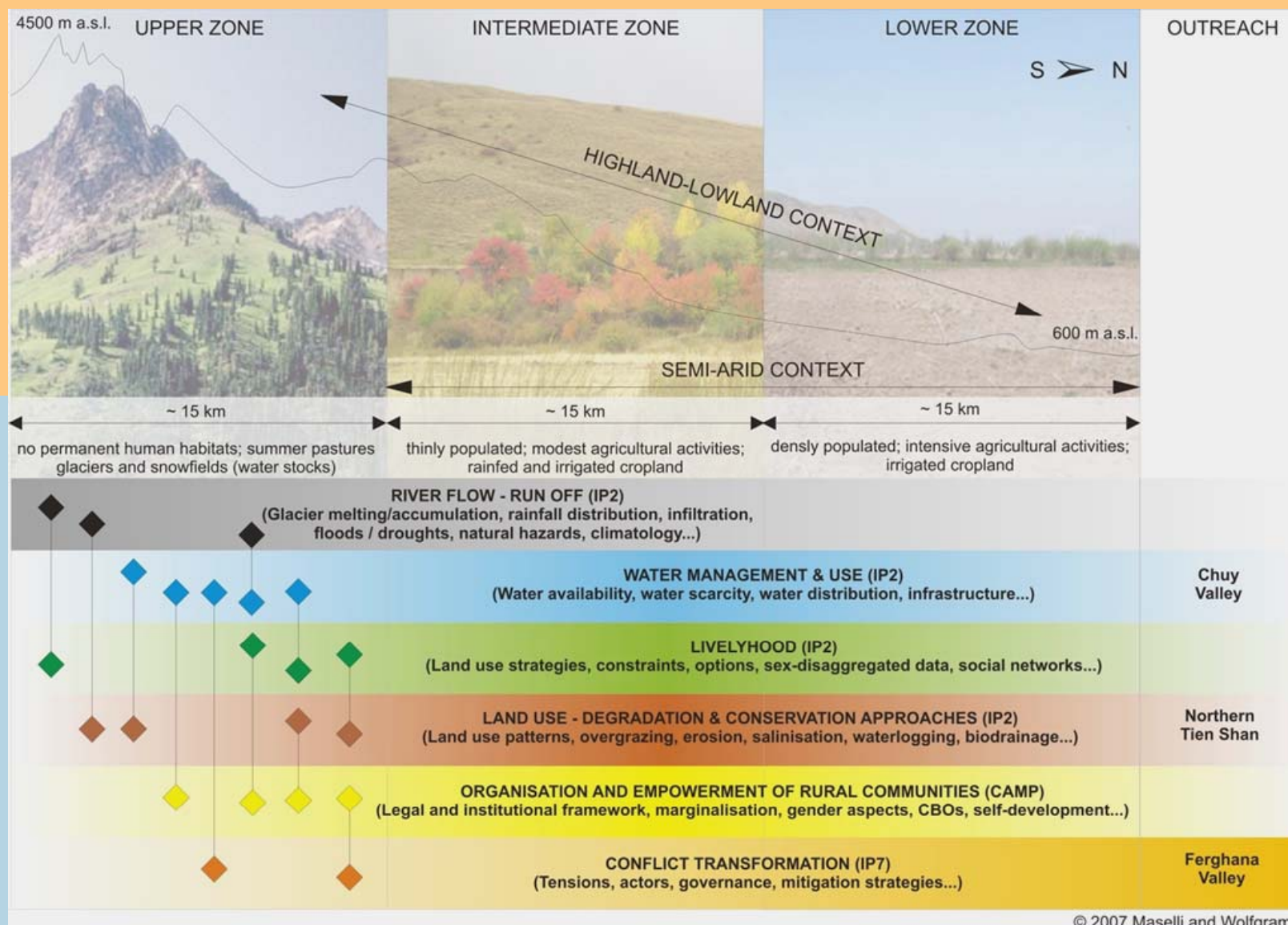
## 2. Pasture management and livestock



## 3. Livelihoods and institutional development



# 'One watershed approach'



# Main achievements

## 1. Water management and agriculture

- 8 PhDs (5 South & 3 North)
- 12 MSc
- Peer-reviewed articles
- Participation in important international events:
  - Int. conf. «Towards 5<sup>th</sup> World Water Forum» (May 2008)
  - Int. conf. on Water Related Disasters Reduction (June 2008)



# Main achievements: research findings

## Glacier Melting in the Sokuluk Watershed 1963 – 2000 (assessment of 77 glaciers)

Glacier class size [km <sup>2</sup> ]	Area change in %		
	1963/ 1986	1986/ 2000	Total
<b>Class I (&lt;0.5)</b>	<b>-9.1</b>	<b>-41.5</b>	<b>-46.9</b>
<b>Class II (0.5-1.0)</b>	<b>-11.7</b>	<b>-12.5</b>	<b>-22.7</b>
<b>Class III (1.0-5.0)</b>	<b>-15.6</b>	<b>-7.6</b>	<b>-22.0</b>
<b>Total</b>	<b>-13.3</b>	<b>-17.1</b>	<b>-28.1</b>

Niederer P, Bilenko V, Ershova N, Hurni H, Yerokhin S, Maselli D. 2008. Tracing glacier wastage in the Northern Tien Shan (Kyrgyzstan/Central Asia) over the last 40 years. *Climatic Change* (2008) 86:227–234.

## Main achievements (continued)



### **2. Pasture management and livestock**

- 2 PhDs (1 South & 1 North), 2 MSc, 2 BSc
- TPP Pastoral Production Systems
- Participatory video ‘Voices from the hills’
- Peer reviewed articles
- Partnership with JACS Alps and West Africa (North-South exchange project)
- 1 PAMS ‘Pastoral Information System’
- Herders’ Manual for Kyrgyzstan and Tajikistan

# АИЫЛ ажары

Дайыма карама-каршылыгыбызды ачык  
билдиргенде гана алдыга жылабыз



Элет турмушу, мал оорусу жөнүндө  
кабар, макалалар 3,4,5 беттерде



Даниель МАССЕЛИ:  
"КЫРГЫЗСТАНДЫН  
ЖЕРЛЕРИНИКЫ ДЫРЫП  
ЧЫККАНЫМ МЕНҮЧҮН  
ЧОҢ БАКЫТ"

8-9-беттерде



Индусбек БӨКӨНБАЕВ

УЛАК ТАРТУУ  
ДУЙНӨ  
ОЮНДАРЫНЫН  
ИЧИНДЕ  
ПАЙДАСЫЗ  
ОЮНБУ?

15-бетте



БААТЫРЛАР  
АРАБЫЗДА  
ЖАШАП  
ЖАТЫШАТ

16-бетте



БИЗ САЛГАН ПЕЧКАГА  
КОРГОЛДОН БАШТАП  
ТАШКӨМҮРЖАКСА  
БОЛОТ

27-бетте

## PAMS 'Pastoral Information System'

## Main achievements (continued)

### 3. Livelihoods and institutional development

- 3 PhDs (2 South & 1 North)
- Peer-reviewed articles
- TPP ,Migration‘ including film ,The other silk road‘
- TPP ,Human Security‘



## Planned major activities

- Annual 'NCCR Open Days' in KG, TJ, KZ
- Regional Conferences e.g. on Climate Change and Livelihood Adaptations jointly with UCA
- Annual Regional Training Courses (inter-regional RTC 2009)
- New PhD and MSc studies / co-coaching of PhDs of University of Central Asia as future faculty staff



## Planned major activities (continuation)

- Capitalisation of research findings through peer-reviewed scientific articles in international and regional journals
- Elaboration of Regional Lecture Course on development issues
- Small research projects / mandates for local supervisors/ senior researchers
- Short sabbatical / visiting fellowship opportunities for supervisors / senior researchers in the region and abroad (with UCA)
- Widening and strengthening of partner network



# Major Institutional Partners (selection)

## Academia

- University of Central Asia (KG, TJ, KZ)
- Kyrgyz-Russian Slavic University, Kyrgyz Agrarian University, American University in Central Asia
- Tajik Soil Research Institute
- Kazakh Geography Institute

## State

- Kyrgyz/Tajik Institute of Pasture, Livestock & Veterinary

## Donors

- GTZ, AKF/AKDN, SDC, WB, UNDP, NORAG

## Civil Society

- Pasture Committees, Village Organizations, KSBA, RAS, MSDSP, FOCUS



**Thank you  
for your attention!**

**[www.north-south.unibe.ch](http://www.north-south.unibe.ch)**

**[www.nccr-central-asia.org](http://www.nccr-central-asia.org)**