

Socio-economic Tools for Integrated Conservation Planning in the Multi-Ethnic South Caucasus

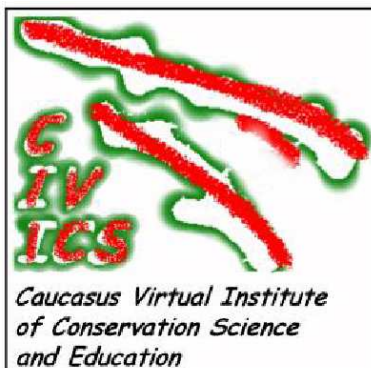
Caucasus Virtual Institute of
Conservation Science and Education (CIVICS)

Kick-Off Workshop: Introduction Project and Project Partners II

[14:00-15:30 hrs slot]

Dr. Jan Barkmann

12 March 2012, Tbilisi, Georgia



Socio-economic Tools for Integrated Conservation Planning in the Multi-Ethnic South Caucasus

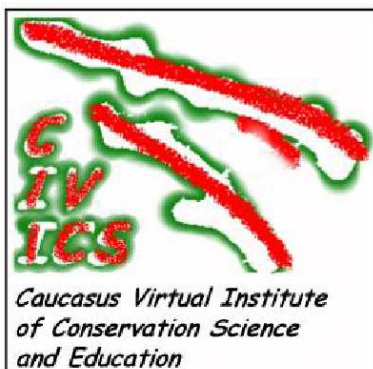
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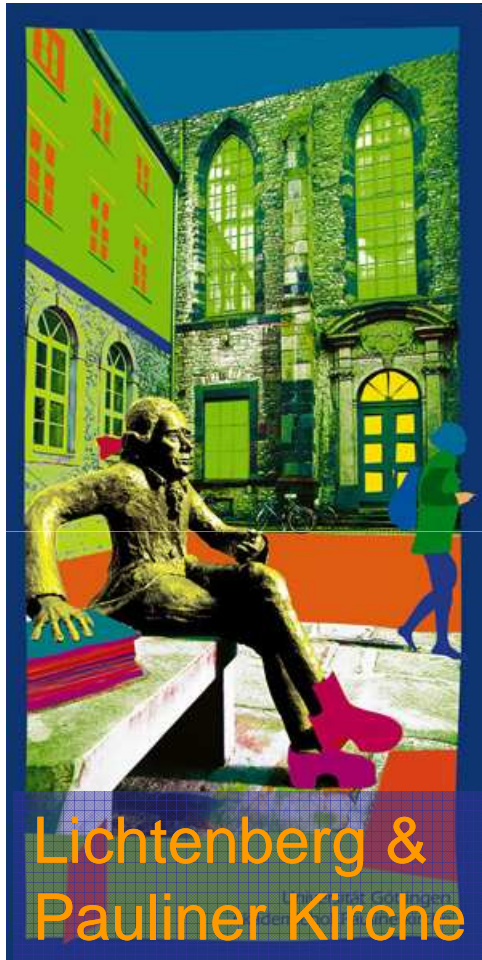
Kick-Off Workshop: Introduction

[14:00-15:30 hrs slot]

Gia Abramia

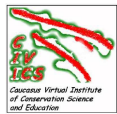
12 March 2012, Tbilisi, Georgia





Part I

Introduction of Project Partners



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Department for Agricultural Economics and Rural Development
Environmental & Resource Economics

12 March 2012

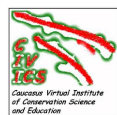


Georg-August-Universität Göttingen

- 23,000 students
- founded in 1773
- 2nd German „university of the enlightenment“
- 47 Nobel Laureates associated with Göttingen
- 1st German rank in The Times Higher Education Ranking, 9th rank in Europe
- one of nine full members of German universities' Excellence Initiative
 - Goettingen Research Campus, four Max Planck Institutes



Goettingen
Research Campus



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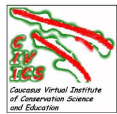
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12 March 2012

Project partners present



- Georg-August-Universität Göttingen
 - Dr. Jan Barkmann (project leader, Env. & Res. Economics)
 - Dr. Johanna Schott (co-ordinator, Env. & Res. Economics)
 - Dr. Stefan Schwarze (senior scientist; Rural Development)
 - Dr. Bernd Gehlken (senior scientist; Conservation Science)
 - Talin Katalas (junior scientist, Env. & Res. Economics)
- Teheran University
 - Prof. Dr. Emilia Nercissians (Social Sciences)



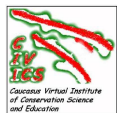
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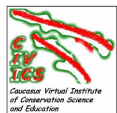
Project Partners not present

- available for research advice
 - may participate in later meetings
- Georg-August-Universität Göttingen
 - Prof. Dr. Renate Bürger-Arndt (Conservation Science)
 - Prof. Dr. Oliver Mußhoff (Agricultural Management)
 - Prof. Dr. Stephan v. Cramon (Agricultural Policy)
- Universität Kassel
 - Prof. Dr. Vogtmann (Organic Agricultural Production)
 - former president of German Federal Agency for Nature Conservation (Bundesamt für Naturschutz, BfN)



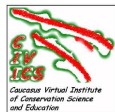
Dr. Johanna Schott

- Studied Arabic, French and Economics (Diploma), University of Applied Sciences, Bremen (Germany)
 - Tropical and International Agriculture (M.Sc.), GAUG (Germany)
 - Three years training and research in Syria, Morocco, Madagascar and Georgia
 - Ph.D. in Agricultural Economics, University of Göttingen
 - Farmers' Preferences for Credit Systems in Georgia
 - Current position: scientific coordinator, University of Göttingen
 - interests: agriculture in the Caucasus, cooperatives, development sociology, gender studies, linguistics, history
- ➔ Project coordinator, institutional analysis, qualitative interviews



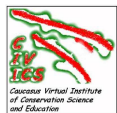
Dr. Stefan Schwarze

- MSc in International Agriculture, Agricultural Marketing
 - Humboldt University Berlin
- PhD at Georg-August University Göttingen
 - Determinants of activity choice of rural households in Indonesia
- since 2003 Assistant Professor at GAUG
 - Chair of Food Economics and Rural Development
- interests
 - economic-ecological trade-offs
 - technology adoption of farmers
 - impact of technology adoption on income, poverty and food security



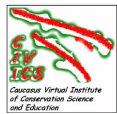
Dr. Bernd Gehlken

- Diploma in Landscape Planning
 - Kassel University
- landscape planner and landscape gardener
- PhD (Dr.-Ing.) at Kassel University
 - title: *The beautiful ,Oak Hornbeam Forests‘*
- since 2010 senior scientist at GAUG
 - Department of Natur Conservation und Landscape Management (Faculty of Forest Sciences)
- intrests
 - vegetation science, plant sociology, land use history, landscape planning



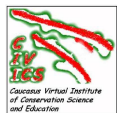
Talin Katalas

- M.Sc. in Agricultural Economics from Georg-August-Universität Göttingen
 - Master thesis on attitudes of Armenian citizens towards nature and biological predators
 - since 2012 PhD student at the chair of Natural and Resource Economics in Göttingen
 - junior member of German project team
- ➔ In the project responsible for the Choice Experiment and work in the Lake Arpi/Javakheti area



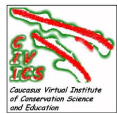
Dr. Jan Barkmann

- trained plant biologist, M.S. in Botany
 - Kiel University (Germany), University of Maine (USA)
- PhD at Kiel University's Ecology Center
 - Modelling and Indication of Sustainable Landscape Development
- since 2003 at GAUG (associate professor)
 - deputy research group leader Environmental & Resource Economics
- interests
 - environmental and economics education
 - biodiversity protection and land use in/around protected areas
 - ecological risk insurance, ecosystem services
 - willingness-to-pay surveys (Choice Experiment Method)



Part II

The Project



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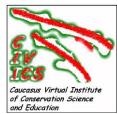
How it came to be...

- publication of project call: 22 June 2010
- BMBF: German Ministry of Education and Reserach
- „Establishment of contacts for partnerships in science, research and education“
 - „Pilot measure with Countries of Central Asia and of South Caucasus“
 - max. 2 years
- PhD research of J. Schott in Georgia
- initial project idea J. Barkmann with J. Schott
 - *stronger socio-economics focus on conservation issues is needed*



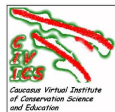
Supportive Initial Contacts

- Andreas Weitzel, KfW project manager
 - *Caucasus Protected Areas Fund* for new protected areas in GE, AR & AZ
 - much support, facilitated contact to Transboundary Joint Secretariat
 - Johanna's contacts
 - Vakhtang Shelia, ICFER (Tbilisi/GE)
 - Gia Abramia → Vugar Babayev (GABA, Ganja/AZ),
George Zedginidze (Georgian Vice Minister for Environmental Protection and Natural Resources)
 - Vardan Urutyunyan, ICARE (Yerevan/AR)
 - Nune Harutyunyan (REC Tbilisi Office)
- We handed in application at September 2010**
- Research contract signed December 2011**



Main Project Idea

- The South Caucasus is an politically, ethnically, religiously, and socially highly complex area.
 - Biodiversity conservation can worsen social conflicts.
 - Strictly protected areas deprive inhabitants using local natural resources of important income sources.
 - Often the utilisation of natural resources is not uniform but certain groups are more negatively affected than others.
 - Social conflicts between these groups may worsen.
- ➔ For KfW-supported projects, we want to make sure that conservation *reduces* conflicts.
- ➔ needs early detection and quantification of socio-economic impacts of protected area management



Main Components

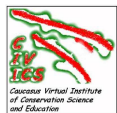
- spring school
- 2x2 case studies
 - Javakheti (GE)
 - Lake Arpi (AR)
 - Zaqatala (AZ)
 - Lagodheki (GE)
- CIVICS (➔ later)



Map sponsored by KfW

Case Study Research

1. establish contacts, literature analysis
2. prepare draft of survey instruments (spring school)
 - interview guides, household survey, preference survey
3. short field trip in March 2012
4. Field phase 1: qualitative interviews with farmers and officials, testing survey instruments, pilot studies (4 x 30 interviews)
5. Analysis phase 1: improve instruments, first analyses, first (more general) paper
6. Field phase 2: ca. 4 x 100 interviews
7. Analysis phase 2: quantitative analyses, trade-off analysis, final paper on integrated conservation planning
8. results prepared for CIVICS



Overview of Work Packages

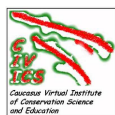
WP1: Research Infrastructure, local administrative services,
CIVICS set up (Shelia/Abramia)

WP2: Economic analysis of agriculture, animal husbandry and
forestry (Musshoff/Schwarze)

WP3: Sustainable Livelihood Analysis
(Schwarze/Nercessians/Schott)

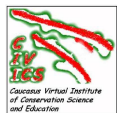
WP4: Stated Preferences for Conservation Planning Options
(Barkmann/Katalas)

WP5: Integrated Conservation Planning (Bürger-
Arndt/Gehlken/Barkmann)



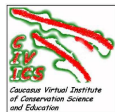
Potential Continuation

- focus on case study areas likely - capitalising on experiences
- potential focus on income alternatives for local users of natural resources at the edge/in protected areas
- utilisation of internet-based information: CIVICS
- ...
- ... we are at the very beginning here...



CIVICS: Caucasus Virtual Institute of Conservation Science and Education

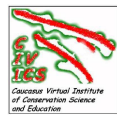
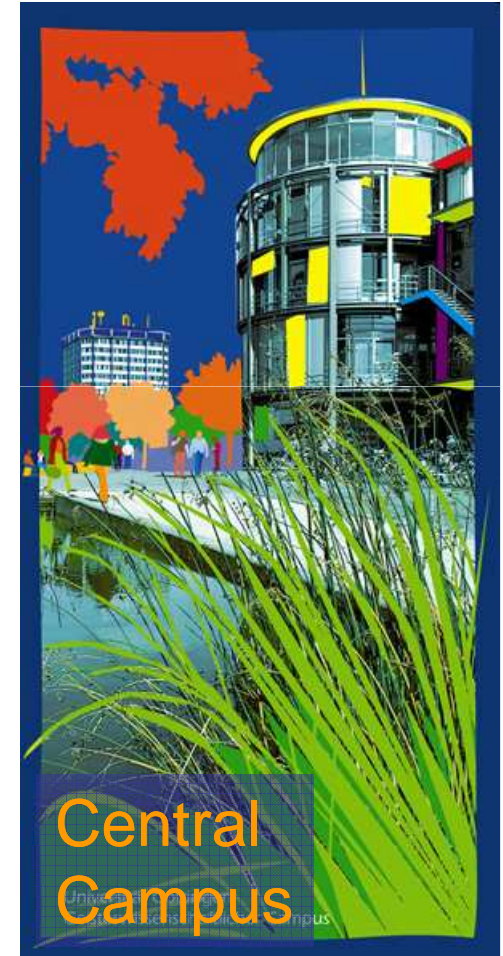
- uses the WIKIVERSITY platform (Web 2.0)
- dedicated homepage (front end)
- purpose
 - strengthen long term impact of project
 - increase the communication with project participants
 - include actors beyond current project participants
- functionality
 - present educational material
 - presents methods, data and results of the field research
 - showcase organizations, share information and provide examples of successful conservation and development work in the region



Carl-Friedrich
Gauss



**Thank you very much
for your attention!**



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Environmental & Resource Economics

12 March 2012