Supplemental data for

"Assessing the State of Sustainable Land Management Research in Kyrgyzstan and Tajikistan", by Chad Dear, Jyldyz Shigaeva, and Bettina Wolfgramm, published in *Mountain Research and Development* 33(4), 2013. (See http://www.bioone.org/toc/mred/33/4)

TABLE S1 Literature reviewed for the article (the selection criteria and timeframe are described in detail in the article).

1. International academic articles

1.1 International academic articles focusing on Kyrgyzstan (in English)

- 1. Alamanov, Azat, and Mikkola, Heimo, 'Is Biodiversity Friendly Fisheries Management Possible on Issyk-Kul Lake in the Kyrgyz Republic?' *AMBIO: A Journal of the Human Environment*, 40/5 (2011), 479-495.
- Borchardt, Peter, et al., 'Mountain Pastures and Grasslands in the SW Tien Shan, Kyrgyzstan Floristic Patterns, Environmental Gradients, Phytogeography, and Grazing Impact', *J. Mt.Sci.*, 8, (2011), 363-373.
- 3. Borchardt, Peter, et al., 'Vegetation Patterns in Kyrgyzstan's Walnut-Fruit Forests Under the Impact of Changing Forest Use in Post-Soviet Transformation', *Die Erde*, 141/3 (2010), 255-275.
- Crewett, Wibke, 'Improving Sustainability of Pasture Use in Kyrgyzstan: The Impact of Pasture Governance Reforms on Livestock Migration', Mountain Research and Development, 32/3 (2012), 267-274.
- 5. De la Martiniere, Raphaele, 'Rural Livelihood Trajectories Around a "Bull Market" in Kyrgyzstan: Studying Agropastoral Change at the Household level Through Farming System Modeling', *Mountain Research and Development*, 32/3 (2012), 337-344.
- Dorre, Andrei, 'Changing Systems, Changing Effects Pasture Utilization in the Post-Soviet Transition: Case Studies From Southwestern Kyrgyzstan', Mountain Research and Development, 32/3 (2012), 313-323.
- 7. Farrington, John D., 'De-development in Eastern Kyrgyzstan and Persistence of Semi-Nomadic Livestock Herding', *Nomadic Peoples*, 9/1,2 (2005), 171-197.
- 8. Feilhauer, Hannes, and Schmidtlein, Sebastian, 'Mapping Continuous Fields of Forest Alpha and Beta Diversity', *Applied Vegetation Science*, 12 (2009), 429-439.
- 9. Glaser, Bruno, et al., 'Soil Organic Matter Quantity and Quality in Mountain Soils of the Alay Range, Kyrgyzia, Affected by Land Use Change', *Biol Fertil Soils*, 31(2000), 407-413.
- 10. Gunchinmaa, T., and Yakubov, M., 'Institutions and Transition: Does a Better Institutional Environment Make Water Users Associations More Effective in Central Asia?', *Water Policy,* 12 (2010), 165-185.
- 11. Howell, Jude, 'Poverty and Transition in Kyrgyzstan: How Some Households Cope', *Central Asian Survey*, 15/1 (1996), 59-73.
- 12. Jacquesson, Svetlana, 'Reforming Pastoral Land Use in Kyrgyzstan: From Clan and Custom to Self-Government and Tradition', *Central Asian Survey*, 29/1 (2010), 103-118.
- 13. Jalilova, Gulnaz, et al., 'Developing Criteria and Indicators for Evaluating Sustainable Forest Management: A Case Study in Kyrgyzstan', *Forest Policy and Economics*, 21 (2012), 32-43.
- 14. Jalilova, Gulnaz, and Vacik, Harald, 'Local People's Perceptions of Forest Biodiversity in the Walnut Fruit Forests of Kyrgyzstan', *International Journal of Biodiversity Science, Ecosystem Services and Management*, 8/3 (2012), 204-216.
- Kaganova, Olga, et al., 'Introducing More Transparent and Efficient Land Management in Post-Socialist Cities: Lessons from Kyrgyzstan', *International Journal of Strategic Property Management*, 12/3 (2008), 161-181.
- 16. Kazbekov, Jusipbek, et al., 'Evaluating Planning and Delivery Performance of Water User Associations (WUAs) in Osh Province, Kyrgyzstan', *Agricultural Water Management*, 96 (2009), 1259-67.
- 17. Liechti, Karina, 'The Meanings of Pasture in Resource Degradation Negotiations: Evidence From Post-Socialist Rural Kyrgyzstan', *Mountain Research and Development*, 32/3 (2012), 304-312.

- 18. Ludi, Eva, 'Sustainable Pasture Management in Kyrgyzstan and Tajikistan: Development Needs and Recommendations', *Mountain Research and Development*, 23/2 (2003), 119-123.
- 19. Patnaik, Ajay, 'Agriculture and Rural Out-migration in Central Asia, 1960-91', *Europe-Asia Studies*, 47/1 (1995), 147-169.
- 20. Schmidt, Matthias, 'Utilisation and Management Changes in South Kyrgyzstan's Mountain Forests', *Journal of Mountain Science*, 2/2 (2005), 91-104.
- 21. Schmidt, Matthias, and Doerre, Andrei, 'Changing Meanings of Kyrgyzstan's Nut Forests from Colonial to Post-Soviet Times', *Royal Geographical Society*, 43/3 (2011), 288-296.
- 22. Schoch, N., et al., 'Migration and animal husbandry: Competing or complementary livelihood strategies. Evidence from Kyrgyzstan', *Natural Resources Forum*, 34/3 (2010a), 211-21.
- 23. Sehring, Jenniver, 'Irrigation Reform in Kyrgyzstan and Tajikistan', *Irrig Drainage Syst*, 21 (2007), 277-290.
- 24. Shapakov, Kenesh, et al., 'Sustainable Land Management in the Pamir Alai Region Value Chain Assessment of Selected Mountainous Products in Alaikuu and Kashka Suu Aiyl Okrugs of the Kyrgyz Republic', *Advances in Management and Applied Economics*, 1/2 (2011), 135-167.
- 25. Shigaeva, Jyldyz, et al., 'Livelihoods in Transition: Changing Land Use Strategies and Ecological Implications in a Post-Soviet Setting (Kyrgyzstan)', *Central Asian Survey*, 26/3 (2007), 389-406.
- 26. Spoor, Max, 'Agrarian Transition in Former Soviet Central Asia: A Comparative Study of Uzbekistan and Kyrgyzstan', *Journal of Peasant Studies*, 23/1 (1995), 46-63.
- 27. Stucker, Dominic, et al., 'Climate Change In a Small Transboundary Tributary of the Syr Darya Calls for Effective Cooperation and Adaptation', *Mountain Research and Development*, 32/3 (2012), 275-285.
- 28. Thorpe, Andy, et al., 'The Collapse of the Fisheries Sector in Kyrgyzstan: An Analysis of Its Roots and Its Prospects for Revival', *Communist and Post-Communist Studies*, 42 (2009), 141-163.
- 29. Turrion, M.-B., et al., 'Effects of Deforestation on Phosphorus Pools in Mountain Soils of the Alay Range, Khyrgyzia', *Biol Fertil Soils*, 31 (2000), 134-142.
- 30. Wilson, Trevor R., 'Livestock, Pastures, and the Environment in the Kyrgyz Republic, Central Asia', *Mountain Research and Development*, 17/1 (1997), 57-68.
- 31. Winter, Maria-Barbara, et al., 'The Impact of Climate on Radial Growth and Nut Production of Persian Walnut (Juglans regia L.) in Southern Kyrgyzstan', *Eur. J. Forest Res.*, 128 (2009), 531-542.

1.2 International academic articles focusing on Tajikistan (in English)

- 1. Abdullaev, I., et al., 'Water Saving and Economic Impacts of Land Leveling: The Case Study of Cotton Production in Tajikistan', *Irrigation and Drainage Systems*, 21/3-4 (2007), 251-63.
- Breu, T., et al., 'Knowledge For Sustainable Development in the Tajik Pamir Mountains', *Mountain Research and Development*, 25/2 (2005), 139-46. http://www.bioone.org/doi/pdf/10.1659/0276-4741%282005%29025%5B0139%3AKFSDIT%5D2.0.CO%3B2 >, accessed 17 Jan. 2013
- 3. Buhlmann, E., et al., 'Geographic Information System-based Decision Support For Soil Conservation Planning in Tajikistan', *Journal of Soil and Water Conservation*, 65/3 (2010), 151-59.
- 4. Forster, Heidi, et al., 'Energy and Land Use in the Pamir-Alai Mountains', *Mountain Research and Development*, 31/4 (2011), 305-314.
- 5. Gintzburger, Gustave, et al., 'The Rangelands of the Deserts and Steppelands of Middle Asia', *Secheresse (Montrouge)*, 17/1-2 (2006), 169-78.
- 6. Giuliani, Alessandra, et al., 'Agricultural Biodiversity in the Tajik Pamirs. A Bridge Between Market Development and Food Sovereignty', *Mountain Research and Development*, 31/1 (2011), 16-26.
- 7. Haslinger, A., et al., 'Opportunities and Risks in Reconciling Conservation and Development in a Post-Soviet Setting: The Example of the Tajik National Park', *International Journal of Biodiversity Science and Management*, 3 /3 (2007), 157-69.
- 8. Hoeck, T., et al., 'Rural energy consumption and land degradation in a post-Soviet setting An example from the West Pamir mountains in Tajikistan', *Energy for Sustainable Development*, 9/1 (2007), 48-57.
- 9. Kassam, Karim-Aly, et al., 'Medicinal Plant Use and Health Sovereignty: Findings from the Tajik and Afghan Pamirs', *Human Ecology*, 38/6 (2010), 817-829.
- Nowak, Arkadiusz, et al., 'Distribution Patterns, Ecological Characteristic and Conservation Status of Endemic Plants of Tadzhikistan - A global hotspot of diversity', *Journal for Nature Conservation*, 19/5 (2011), 296-305.

- 11. Robinson, S., et al., 'The Impact of Land-reform Legislation on Pasture Tenure in Gorno-Badakhshan: From Common Resource to Private Property?', *Mountain Research and Development*, 30/1 (2010), 4-13.
- 12. Rowe, W.C., "Kitchen gardens" in Tajikistan: the economic and cultural importance of small-scale private property in a post-soviet society', *HumEcol*, 37 (2009), 691-703.
- 13. Rowe, W.C., 'Agrarian Adaptations in Tajikistan: Land Reform, Water and Law', *Central Asian Survey*, 29/2 (2010), 189-204.
- 14. Vanselow, Kim Andre, et al., 'Grazing Practices and Pasture Tenure in the Eastern Pamirs', Mountain Research and Development, 32/3 (2012), 324-336.
- 15. Wiedmann, Christoph, et al., 'Thermal Insulation in High Mountainous Regions: A Case Study of Ecological and Socioeconomic Impacts in the Eastern Pamirs, Tajikistan', *Mountain Research and Development*, 32/3 (2012), 294-303.
- 16. Wolfgramm, B., et al., 'Spatial assessment of erosion and its impact on soil fertility in the Tajik foothills', EARSeL eProceedings, 6/1 (2007), 12-25.
 http://www.eproceedings.org/static/vol06_1/06_1_wolfgramm1.html?SessionID=36246e5c46c315348a
 b46 >, accessed 17 Jan. 2013

1.3 International academic articles focusing on Central Asia

- 1. Aidarov, I.P., and Pankova, E.I., 'Salt Accumulation and Its Control on the Plains of Central Asia', *Eurasian Soil Science*, 40/6 (2007), 608-615.
- 2. Gracheva, Inna, et al., 'An Assessment of the Potential and Impacts of Winter Water Banking in the Sokh Aquifer, Central Asia', *Hydrogeology Journal*, 17 (2009), 1471-1482.
- Lim, Michelle, 'Laws, Institutions and Transboundary Pasture Management in the High Pamir and Pamir-Alai Mountain Ecosystem of Central Asia', Law, Environment and Development Journal, 8/1 (2012), 43-60.
- 4. Kienzler, K.M., et al., 'Conservation Agriculture in Central Asia—What Do We Know and Where Do We Go From Here?', *Field Crops Research*, 132 (2012), 95-105.
- 5. Suleimenov, Mekhlis, and Oram, Peter, 'Trends in Feed, Livestock Production, and Rangelands During the Transition Period in Three Central Asian countries', *Food Policy*, 25(2000), 681-700.

2. Academic articles published in Kyrgyzstan and Tajikistan

2.1 Academic articles published in Kyrgyzstan (in Russian)

- 1. Abdyllaev, A.A. and Kuznecov, N.I. 'Productivity of Grassland Depending on Agricultural Efforts in the Mountainous Areas of Southern Kyrgyzstan', *KAU Heralds*, (2009), 21-23.
- 2. Abylmeiizova, B.,U., 'The Anthropogenic Impact on the Self-renewal of the Forest Ecosystem', *News of NAS of KR*, 4 (2003), 160-164.
- 3. Abylmeizova, B.,U., 'Analysis of Influence of Natural and Anthropogenic Factors on Forest Landscapes of the Issyk-Kul Region', *News of NAS of KR*, 2 (2000), 44-45.
- 4. Akhamtbekov, M.A. et al., 'Characteristics of Phosphorus in Winter Wheat During Crop Rotation' *KAU Heralds*, (2009), 197-200.
- 5. Asanbekova, Ch.,A., 'Biological and Economic Particularities of Perspective Annual Forage Plants, Their Cultivation and Usage in the "AEK" Farm of the Issyk-Kul Region', *News of Higher Education*, 1-2 (2007), 81-83.
- 6. Askaraliev, B.O., 'Analysis of Water Use Efficiency in the Irrigation System of the Sokuluk River Basin of the Chui Valley of Kyrgyzstan', *KAU Heralds*, (2005), 117-120.
- 7. Asykulov, T., 'The Role of Livestock in the Walnut-fruit Forests of Southern Kyrgyzstan', *KAU Heralds*, 2/8 (2007), 52-57.
- 8. Avazov, A.,A., et al., 'Ecology of Mountain- Forest Brown Soils of the Walnut-Fruit Forests', *News of NAS of KR*, 3 (2009), 113-115.
- 9. Azykova, E.,K., et al., 'Geosystems and the Ecological Situation in Kyrgyzstan', *Echo of Science*, 4 (1997), 12-20.
- 10. Chyngozhoev, N.,M., 'The Condition of Forest Plantations of Issyk-Kul Region', *News of NAS of KR*, 3 (2005), 76-78.

- 11. Elemanov, O.,I., and Abylmeiizova, B.,U., 'Climatic Factors of Vegetation in Mountain Ecosystems of Issyk-Kul Region', *News of NAS of KR*, 3 (2011), 45-49.
- 12. Gossu, L.,K., et al., 'Experience of Reclamation of Saline Land in "Besh-Terek" Farm of Moscow District', *Science and New Technology*, 2 (2004), 63-73.
- 13. Gottshling, H., et al., 'On the Ecology of the Walnut-fruit Forests in Southern Kyrgyzstan', *KAU Heralds*, 2/8 (2007), 18-25.
- 14. Ivanov, S.,G., 'The Foreign Policy Factor in the Transformation of the Agricultural Sector of Kirghizia', *Science and New Technologies*, 5 (2009), 225-231.
- 15. Jumamudinov, S., and Shukurov, E.,D., 'The Ecological Condition of Nature Components of the Chui Valley', *Echo of Science*, 4 (1997), 60-64.
- 16. Karabaev, N.,A., et al., 'The Change of the Humus Potential Under the Influence of Human Factors and Global Warming', *KNAU Heralds*, 1/23 (2012), 6-15.
- 17. Kasmaliev, M.,K., 'Biological and Ecological Monitoring of Mountain Pastures for Yak Breeding', *KNAU Heralds*, 141-143.
- 18. Koichumanov, B. and Mambetaliev, U.A., 'Review of the Current Legislation of the Kyrgyz Republic on Protected Areas', *KAU Heralds*, (2004), 197-203.
- 19. Koichumanov, B. and Sharsheev, B., 'Legal Aspects of Development of Protected Areas and *in situ* Conservation of Wild Relatives of Fruit Species', *KAU Heralds*, (2011), 128-136.
- 20. Kosmynin, A.B. et al., 'Degradation of the Grassland Vegetation and Soil Cover of Juniper Forests Under the Influence of Uncontrolled Grazing', *KAU Heralds*, (2009), 285-290.
- 21. Kukanov, A.,K., and Mamyrbaev, Zh., R., 'An Experience of Economic Evaluation of Agricultural Land', *News of Higher Education*, 6 (2009), 136-138.
- 22. Lebedeva, L.,P., and Ionov, R.,N., 'The Problems of Plant Cover of the Tien Shan of the Kyrgyz Republic', *News of NAS of KR*, 1 (1994), 63-72.
- 23. Mamatkanov, D.,M., et al., 'Modern Trends in Air Temperature and the Reaction of Different Types of Water Resources of Issyk-Kul Basin', *News of NAS of KR*, 2-3 (1997), 96-101.
- 24. Mambetaliev, U.,M., 'The Impact of Arkyt Village on the Ecosystem of Sary-Chelek Biosphere Reserve', *KAU Heralds*, 2/8 (2007), 103-106.
- 25. Mamytkanov, S.A. and Karabaev, N.A., 'Monitoring of Mountain-valley Light-Brown Soils of Issyk-Kul region', KAU Heralds, (2008), 69-71.
- 26. Mamytov, A.,M., 'Mining Problems of Soil Science: Case Study of Kyrgyzstan', *Science and New Technology*, 2 (1997), 124-136.
- 27. Mamytova, G.A., et al., 'Soil-Reclamation Zoning of Issyk-Kul Region', *News of NAS of KR*, 1 (1999), 24-27.
- 28. Nasbekova, S.K., 'Forest Management and Legal Support for Forest Protection in the Kyrgyz Republic', News of Higher Education, 1 (2010), 219-223.
- 29. Orozakunova, R.T. et al., 'Soil Carbon and Energy Potential of Some Soils in Northern Kyrgyzstan', KAU Heralds, (2009), 234-236.
- 30. Rubcova, I.,G., et al., 'Fertility Changes in the Barskoon River Basin Due to Agricultural Usage', *News of NAS of KR*, 3 (2007), 66-69.
- 31. Rysalieva, A.R., and Sabirova J.N., 'Juniper Forests of the North Slope of the Alay Range', *KAU Heralds*, (2009).
- 32. Saipov, B., and Abdirov, M., 'Ecological and Economical Approaches to Zoning of Irrigation Regimes of Forage Crops for Downstream Conditions of the Talas River', *KAU Heralds*, 2/13 (2009), 198-201.
- 33. Shygaeva, T., 'Analysis of the Productive Capacity of Issyk-Kul Region's Agriculture', *News of Higher Education*, 2 (2009), 76-80.
- 34. Shukurov, E.D., and Balbakova, F., 'The Biogeographic, Ecological and Geographic Basis for Building an Ecological network in Kyrgyzstan', *News of NAS of KR*, 1 (2000), 14-19.
- 35. Sodombekov, I.,S., and Belousova, N.,N., 'Productivity and Nutritive Value of Grass Stands of Feeding Grounds of Kyrgyzstan', *Science and New Technologies*, 2 (1997), 57-60.
- 36. Suvanalieva, G.,A., and Karabaev, N.,A., 'The Impacts of Perennial Grasses on Soil Erosion Processes', KAU Heralds, 2 (2004), 13-16.
- 37. Tabyshova, Zh.,R., and Dalbaev, T.,A., 'Agricultural Crediting: Problems and Prospects', *Science and New Technologies*, 1 (2010), 179-180.

- 38. Turgunbaev K.,T., et al., 'The Study of the Biodiversity of Fruit Crops (Wild Fruit Species) in Walnut-Fruit Forests of Southern Kyrgyzstan', *KAU Heralds*, 2/8 (2007), 44-48.
- 39. Valuiskii, P.P. et al., 'Productivity and Quality of Forage Grasses and Grass Mixtures in Medium-Altitude Mountains (Karkyra tract)', *Echo of Science*, 1 (1997), 54-57.
- 40. Yakovleva, N., B., 'Differentiation of Trees Before and After Thinning in Forest Plantations of Northern Kyrgyzstan', *News of NAS of KR*, 1-2 (2001), 55-57.
- 41. Yakovleva, N., B., and Chyngozhoev N.,M., 'Diagnosis of Living Conditions of Trees in Spruce Cultures of Northern Kyrgyzstan', *News of NAS of KR*, 3 (2007), 62-65.
- 42. Yzakanov, T.J. et al., 'Salinization of the Southeastern region of the Ferghana Valley and its Impact on the Socio-economic Condition of the Region', KAU Heralds, 1/5 (2006), 57-59.
- 43. Zhaparov, A., Z., 'Traditional Sheep Breeding by Kyrgyz People', News of NAS of KR, 4 (1998), 57-59.

2.2 Academic articles published in Tajikistan (in Russian)

- 1. Ikromov, I.I., 'Organization of Water Users Associations A Factor in Efficient Water Management', *Kishovarz*, 2/50 (2011), 34-36.
- 2. Khaidarov, Z.E., 'Effect of Mineral Fertilizers on Cotton Yield', University Heralds, 1 (2000), 95-97.
- 3. Kodirov, K., 'Composition of the Wormwood-ephemeral Pastures' Grass in Saxaul Bands and in the Zone of its Influence', *Kishovarz*, 3/39 (2008), 3-4.
- 4. Komilov, O.K., 'Appropriateness of Protection and Comprehensive Utilization of Water and Land Resources at Foothill and Lowland River Sections', *Tajik Agrarian University Heralds*, 4 (1998), 36-45.
- 5. Navruzshoev, D., 'Productivity of Sagebrush Communities of the Western Pamirs on the Issue of Pasture Improvement', *Plant Resources*, 4 (1995)
- 6. Nurmatov, A., N., 'Methods of Increasing the Productivity of Irrigated Lands', Kishovarz, 1/49 (2011), 8-9.
- 7. Salimov, A.,F., 'Adaptability and Productivity of Sanitized Test-tube Plants in Muminabad District', *Tajik National University Heralds*, (2007), 187-191.
- 8. Shomurodov, Dzh.B., 'Influence of Basic Soil Processing on the Safflower Productivity in Rainfed Kulob Zone', *Tajik National University Heralds*, 1/49, 195-198.
- 9. Shukurov, I., Sh., and Kuziboev, Kh., Sh., 'The Main Ways to Promote Development of Agricultural Consumer Cooperatives in the Republic of Tajikistan and Their Organizational Structure', *Kishovarz*, 1/53 (2012), 44-46.

3. Gray literature

3.1 Gray literature focusing on Kyrgyzstan (in English and Russian)

- 1. Bourne, W., Forest and Rural Livelihoods in the Kyrgyz Republic Development Potential [A project of the World Bank implemented by Rural Development Fund], (Bishkek: World Bank, 2011).
- 2. Bussler, S., Community Based Pasture Management in Kyrgyzstan, (Bishkek: GIZ, 2010).
- 3. Fisher, R. J., et al., *Poverty and Forestry. A Case Study of Kyrgyzstan, With Reference to Other Countries in West and Central Asia* [LSP working paper], (FAO, Livelihood Support Programme, 2004).
- 4. Giovarelli, Renee, *Are Rural Women Disadvantaged in Asset Ownership and Business Relations in the Kyrgyz Republic?* (Rural Development Institute, Washington, 2004).
- 5. Ryazanov, E., Adding Value in Agriculture. How Farmers, Processors, and Traders in Kyrgyzstan Can Set Up a Win-win Situation in the Fruit and Vegetable Production and Processing Sectors, (Bishkek: Local Market Development, 2007).
- 6. Sabates Wheeler, R., *Institutional Complexity and Resource Access in Transition: The Challenges of Co-operation for Rural Livelihood Improvement* [final report], (Brighton: University of Sussex, 2004).
- 7. Undeland, Asyl, Forest Management and Use in the Kyrgyz Republic: Development Potential [report], (Rural Development Fund, 2011).
- 8. World Bank. Kyrgyz Republic. Agricultural Policy Update. Sustaining Pro-poor Rural Growth: Emerging Challenges for Government and Donors. (Bishkek: World Bank, 2004).
- 9. World Bank. *Kyrgyz Republic. Livestock Sector Review: Embracing the New Challenges.* (Bishkek: World Bank, 2005).
- 10. UN. Second National Communication of the Kyrgyz Republic to the UN Framework Convention on Climate Change Bishkek. (Bishkek: UN, 2009).

3.2 Gray literature focusing on Tajikistan (in English and Russian)

- 1. Breu, T., and Hurni, H., *The Tajik Pamirs: Challenges of Sustainable Development in an Isolated Mountain Region* (Berne: Centre for Development and Environment (CDE), University of Berne, 2003).
- 2. Kirchhoff, J-F., and Fabian, A., Forestry Sector Analysis of the Republic of Tajikistan, (Dushanbe: GIZ, 2010).
- Lerman, Z. and Sedik, D., The Economic Effects of Land Reform in Tajikistan. [Report Prepared for the European Commission Under the EC/FAO Food Security Programme—Phase II Food Security Information for Action], (Rome: FAO, 2008).
- 4. Michel, S., Community Based Conservation and Management of Mountain Ungulates in Tajikistan (Galemys, 2010).
- 5. Muminjanov, H., State of Plant Genetic Resources for Food and Agriculture (PGRFA) in the Republic of Tajikistan [Country Report], (Dushanbe, 2008).
- 6. Olimova, S., and Olimov, M., *Environmental Degradation, Migration, Internal Displacement, and Rural Vulnerabilities in Tajikistan* (Tajikistan: International Organization for Migration, 2012),<
 http://www.iom.tj/index.php/research/134-environmental-degradation-migration-internal-displacement-and-rural-vulnerabilities-in-tajikistan-may-2012 >,accessed 17 Jan. 2013.
- 7. OXFAM. Climate Change: Beyond Coping. Women Smallholder Farmers in Tajikistan. Experiences of Climate Change and Adaptation [OXFAM Field Research], (Dushanbe: OXFAM, 2011).
- 8. Sedik, D., *The Feed-Livestock Nexus in Tajikistan: Livestock Development Policy in Transition.* (FAO Regional Office for Europe and Central Asia Policy Studies on Rural Transition, 2009).
- 9. UNEP. *Tajikistan: State of the Environment 2005 (*Nairobi: United Nations Environment Programme, 2006).
- 10. WFP. Household Food Security and Vulnerability Survey in Rural Tajikistan. (Rome: WFP, 2005).
- 11. Wolfgramm, Bettina et al., Final Report for Tajikistan Pilot Programme for Climate Resilience, Component A5: Phase 1 on Agriculture & Sustainable Land Management. (Dushanbe, Tajikistan, 2011) http://www.ppcr.tj/?ltem=9, accessed 17 Jan. 2013.
- 12. World Bank. Farmer and Farm Worker Perceptions of Land Reform and Sustainable Agriculture in Tajikistan. [Draft report], (Washington DC: World Bank, 2012).
- 13. World Bank. *Tajikistan Country Environmental Analysis*. (Washington DC: World Bank, 2008) https://openknowledge.worldbank.org/handle/10986/8123, accessed 17 Jan.2013

3.3 Gray literature focusing on Central Asia

- 1. Bucknall, Julia, et al., *Irrigation in Central Asia. Social, economic and environmental considerations,* (World Bank, 2003).
- PALM. Strategy and Action Plan for Sustainable Land Management in the High Pamir and Pamir-Alai Mountains. PALM, GEF/UNEP/UNU Project "Sustainable Land Management in the High Pamir and Pamir-Alai Mountains – Integrated and Transboundary Initiative in Central Asia", (Dushanbe: PALM, 2011).
- 3. Pender, J., and Mirzabaev, A., *Economic Analysis of Sustainable Land Management Options in Central Asia*, [progress report] (ADB, 2008).
- 4. Peyrose, Sebastien, *The Multiple Paradoxes of the Agriculture Issue in Central Asia*, [working paper], (EUCAM, 2009).

Copyright by the authors, 2013