



TransLinks Annual Report FY09

Leader with Associates Cooperative Agreement No.EPP-A-00-06-00014-00



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Annual Report for TransLinks for Fiscal Year 2009

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Program Goal

The TransLinks project (short for Promoting Transformation: Linking Natural Resources, Economic Growth, and Good Governance) was designed to explore the relationships among good governance, poverty alleviation, conservation, and the sustainable management of natural resources. In so doing, we have aimed to help further knowledge on how to achieve conditions that mutually reinforce these multiple goals and how to avoid those conditions that lead to antagonisms among them. The project builds on the Nature, Wealth and Power (NWP) framework that evolved out of the work led by Jon Anderson, then Natural Resource Policy Advisor at EGAT.

Over the past three years of the TransLinks program, within the greater context of nature, wealth and power, TransLinks partners have focused on two intimately connected themes: 1) incentive schemes for balancing conservation and poverty reduction; and 2) governance of natural resources that influence and support the implementation of incentive programs. For the most part, the incentive schemes of interest to TransLinks have been market based incentives, namely Payments for Ecosystem Services, and the governance mechanisms needed to ensure such programs attain their conservation objectives and deliver equitable benefits to rural communities.

Four pathways to effective natural resource management for equitable and sustainable wealth generation

The project has been organized around four core activities. These have included:

- 1) **knowledge building** that involves documentation and analysis of a) the effectiveness of different types of incentive schemes for conserving ecosystem services and supporting rural livelihoods; and b) the governance mechanisms needed to effectively manage ecosystem services to support rural livelihoods and conservation;
- 2) **identification and development of diagnostic and decision support tools** for developing well governed and well designed incentive programs that achieve conservation and support rural livelihoods;
- 3) **cross-partner skill exchange and training on lessons learned and tools developed**; and
- 4) **global dissemination** of knowledge, tools, and best practices for promoting wealth creation of the rural poor, environmental governance, and natural resource conservation.

1 Knowledge Generation (USAID: \$416,435)

The case studies documented in FY09 collectively helped foster better understanding on: the science and management of ecosystem services; how various PES and other incentive based schemes are working to achieve conservation and livelihood benefits; and the governance mechanisms needed to ensure PES and other incentive based schemes deliver intended, equitable benefits for the rural poor while conserving critical ecosystem services. The case studies are divided into those that focused on Payments for Ecosystem Services, as well as other types of conservation incentive programs, and the management of ecosystem services; and those that address governance of ecosystem services and the revenue that might be generated from a PES program.

1.1 Payments for Ecosystem Services Case Studies

1.1.1 Nepal Forest Carbon work (Lead Partner, EWV/RI \$; USAID: \$31,782)

Enterprise Works/Vita/Relief International (EWV/RI) used the lessons learned from the WCS/Government of Madagascar Makira Protected Area Project in Madagascar to complete a forest carbon marketing analysis in Nepal. Results of this work will be built upon in FY10 and will result in a project design document (PDD).

Outputs:

- Report: Payment for Ecosystem Services: Developing Forest Carbon Projects in Nepal
- Presentation: Nepal Forest Carbon Training Power Point Presentations/Workshop Proceedings
- Community consultations/training

Any change in plans from what was originally proposed: none

1.1.2 Cambodia- Tourism and PES Conservation and a Livelihoods Monitoring (Lead Partner: WCS with Enterprise Works/VITA; USAID: \$39,659)

WCS Cambodia has been implementing three direct payment/PES (payment for environmental services) schemes, or PES-like schemes, with one more planned. The three existing and one pending schemes are:

1. *Community-based ecotourism:* Village-managed tourism programs that link revenue received to conservation of globally threatened wildlife and habitats.
2. *Wildlife-friendly products-Ibis Friendly Rice:* Individual contracts to farmers to buy produce (rice) at a premium price, contingent on farmers respecting land-use plans.
3. *Bird Nest Protection scheme:* individual contracts to local people to protect nests or colonies of globally threatened species, with payment contingent on results.
4. *REDD:* payments to communities for avoided deforestation in Mondulkiri (in process).

In FY09, TransLinks supported the documentation and analysis of how these various schemes were working with respect to their benefits for conservation and rural livelihoods. In FY09, TransLinks also supported a REDD technical training workshop in Cambodia to help WCS and national agency staff learn methods for estimating carbon content of forests, development of deforestation baselines, scenarios of future deforestation and calculation of the emissions that would be reduced from forest conservation activities. If funding permits, in FY10, a training manual and PDD will be developed from the ongoing work that was initiated by at this workshop and field data collection exercise.

In FY09, EWV/RI helped the WCS Cambodia team in the Northern Plains with Wildlife Friendly Certification of the Ibis Rice Enterprise. Ann Koontz of EWV/RI provided training to the WCS/Cambodia

team using the "Conservation Marketing Equation" and provided detailed value chain and market positioning advice to the team for inclusion in future case study work.

Outputs:

- Report: Payments for biodiversity conservation in the context of weak institutions: comparison of three programs from Cambodia
- Report: An evaluation of the effectiveness of a direct payment for conservation: The Bird Nest Protection Program in the Northern Plains of Cambodia
- Report: Leveling the Playing Field: the effects of institutional controls on common pool resource Extraction
- Analysis: REDD Readiness Training and Deforestation Modeling (report in development)

Any change in plans from what was proposed: The Case Study on Ibis Rice was delayed until FY10. The Ibis Rice project only started in the 2008-9 season and delaying a year will increase the amount of data to be analyzed and allow greater assessment of the lessons learned.

1.1.3 Newcastle Disease-Zambia and Ruaha and Mozambique (Lead Partner WCS, USAID: \$8,167)

It has been hypothesized that Newcastle disease vaccinations may provide an incentive to reduce bushmeat hunting by increasing protein availability from increased productivity of village chickens and increasing the income for women who typically own the chickens. Applied studies aimed at testing this hypothesis were started in FY08 in Zambia and Ruaha and then expanded into Mozambique. In Ruaha, it was found that vaccinations did increase chicken production, income, and egg and meat consumption, but did not reduce the frequency of bushmeat consumption at the household level, and bushmeat consumption was not related to food security. The findings suggest that bushmeat likely supplements (rather than substitutes for) domestic meat, and it's supply is driven by hunters' demand for cash, rather than household's demand for protein. At the end of December, we'll have the results from Mozambique on these issues for comparison.

Outputs:

- Report: Improving Poultry Production for Sustainability in the Ruaha Landscape, Tanzania
- Report: Improving Poultry Production for Sustainability in Mozambique (draft completed, final version due December).

Any change in plans from what was proposed: Data on bushmeat hunted could not be collected as had been planned in Zambia due to concerns about confidentiality so, this case study could not be completed. A report on the impact of Newcastle disease vaccinations on poultry production, household income and poultry consumption is forthcoming.

1.1.4 Mongolia-Assessment of Agricultural Expansion and potential for PES as an incentive for conservation (Lead Partner: WCS; USAID \$32,568)

The Government of Mongolia has plans to expand industrial scale agriculture across the Eastern Steppe. Little is known about how this will influence the livelihoods of poor rural pastoralists and the flows of critical ecosystem services. This case study assessed the potential for agricultural expansion in Mongolia and how such expansion might affect key ecosystem services, such as wildlife, water and carbon storage.

Outputs:

- Report: The Potential for Intensive Crop Production in the Eastern Steppe of Mongolia: History, Current Status, Government Plans, and Potential Impacts on Biodiversity.

Any change of plans from what was proposed: none. The United States ambassador to Mongolia has expressed interest in this report.

1.1.5 EcoAgricultural Case Studies-Bundling Ecosystem Services: Challenges and Case Study Solutions (Lead Partner: WCS with EcoAgricultural Partners; USAID \$72,335)

The objective for this project was to work with EcoAgricultural Partners on developing a paper introducing the concept of bundled ecosystem services as a market mechanism for promoting ecosystem friendly agricultural practices. The paper describes a typology for bundled ecosystem services, and illustrates components of this typology with several business cases from ecoagriculture landscapes.

Outputs:

- Report: Typology of Bundled Ecosystems (in progress)
- Report: Six case studies of bundled ecosystem service projects (in progress)

Any change of plans from what was proposed: none

1.1.6 Zambia- Lessons Learned from COMACO: A Market Based Approach to Conservation (Lead Partner: WCS; USAID \$14,000)

This case study was proposed to document the lessons learned from the Community Markets for Conservation (COMACO) approach to wildlife conservation, food security and improved rural livelihoods. COMACO was recently awarded the Equator Initiative Prize for demonstrating the combined achievement of biodiversity conservation and poverty reduction.

Outputs:

- Rather than a written report as proposed in the FY09 workplan, this output will be presented in video format and will be completed early in FY10. This was deemed as a more useful medium to convey the COMACO message to a wider audience.

Any change of plans from what was proposed: A video rather than written report of COMACO was produced. The final version will be completed before the end of 2009

1.1.7 Wildlife Friendly Production (Lead Partner: LTC; USAID: \$28,269; Match: \$2,070)

This project sought to better understand how to certify food and fiber production operations that are wildlife friendly, and to empower producers to credibly self-certify after outside subsidy ends. The project investigated a proof-of-concept of credible certification of Wildlife-Friendly producers in the Ecuadorian Andes in regions of high importance for biodiversity and for conserving water for urban populations downstream. The concept uses motion-activated camera traps to identify individuals of key wildlife species and detect their survival on farm properties over 12-18 months. This project was assisting participating farmers to gain (a) use of the Certified Wildlife-Friendly TM logo through stage-one certification; (b) support to apply for stage-one and stage-two certification; and (c) technical support on non-lethal deterrence of wildlife.

Outputs:

- Presentation: "Presentation of Project Results to the Colepato Community Cooperative," prepared by R. Zug, V. Shelley, T. Jones and A. Treves of the Carnivore Coexistence Lab, Nelson Institute for Environmental Studies, University of Wisconsin-Madison
- Report: Key wildlife photographed in 2008 and 2009 on the Certified Wildlife Friendly property of All Things Alpaca, Ecuador, courtesy of R. Zug and T. Jones. Report for Wildlife Friendly website and USAID.
- Report: Wildlife Friendly monitoring and verification project, Ecuador, by Adrian Treves.
- Report: Treves, A., Wallace, R.B., White, S. 2009. "Participatory planning of interventions to mitigate human-wildlife conflicts." *Conservation Biology* 23(4). (A publication on the application of conservation science to participatory planning of interventions with a WCS co-author and the founder of an Ecuadorian NGO.)
- Report: "Strategic tradeoffs for eco-labels," by Adrian Treves and Stephanie Michelle Jones. *Frontiers in Ecology and the Environment*.
- Report: LTC Brief 10. "Market Financing for Biodiversity Conservation and Strategic Tradeoffs for Wildlife-friendly Eco-labels," by Adrian Treves and Stephanie Jones.

Any change of plans to what was originally proposed: none

1.2 Governance Systems for Livelihoods and Conservation

1.2.1 Resettlement, Conservation and Compensation, India/Nagarahole (Lead Partners: LTC and WCS with Earth Institute; USAID \$35,409; Match: \$6,313.00)

During December 2008, Adrian Treves and Lisa Naughton (LTC) traveled to Karnataka, India for pilot surveys with Ullas Karanth (WCS India) and Krithi Karanth (Earth Institute, Columbia University). The team reviewed existing data and assessed future research opportunities to evaluate voluntary resettlement as a management option for protecting endangered species, mitigating human-wildlife conflicts and improving human livelihoods. The focal point of the study was Nagarahole National Park, where 250 households of tribal people have relocated voluntarily and 1,300 people have yet to relocate. During the pilot study, the team evaluated research design and methods for assessing social and ecological outcomes of relocation, and for identifying incentive structures and governance systems necessary to make such a process fair for local people and effective for conservation. The team also discussed priority training needs for WCS-India field staff and affiliated Indian students.

Outputs:

- Report: "Briefing on Pilot Fieldwork: Wildlife conservation and human livelihoods in Western Ghats landscape; Analysis of key interactions between human-managed and natural ecosystems." A planning document for WCS-India and the WCS-Translinks program. Lisa Naughton, Adrian Treves, Ruth DeFries (Earth Institute, Columbia University), Krithi Karanth (Duke University).
- Report: "DRAFT Précis—Assessing Voluntary Resettlement Strategies and Outcomes in Protected Areas of the Western Ghats," Lisa Naughton, Teri Allendorf, Ravi Chellam, Asmita Kabra (Ramjas College, University of Delhi), Keera Allendorf.
- Report: "Costs of living with wildlife: Predicting incidences of damage and cost of living with wildlife in and around an Indian Tiger Reserve," Sanjay Gubbi (WCS-India), Adrian Treves.

- Course Curriculum: Human Dimensions of Wildlife Conservation. A course curriculum design for M.Sc. students in Wildlife Biology and Conservation Venue: National Centre for Biological Sciences, GKVK Campus, Bangalore, 20-31 July 2009. Adrian Treves, Teri Allendorf, Sanjay Gubbi (WCS-India), Ajith Kumar (Centre for Wildlife Studies), Asmita Kabra.

Any change of plans to what was proposed: none for FY09. LTC and WCS are seeking non TransLinks support to complete this work in FY10.

1.2.2 Pastoralist Governance of Wildlife, Mongolia (Lead Partner: WCS; USAID \$38,402)

This study began in 2008 and was led by Ann Winters and Bolortsetseg Sanjaa of WCS/Mongolia to document the governance structures and processes for managing wildlife on the Eastern Steppe within a context of decentralized governance. A series of workshops were held with pastoralist communities across the Eastern Steppe to better understand the relationship between trends in wildlife diversity/abundance and wildlife management practices.

Proposed Output:

- Report: Participatory Wildlife and Natural Resource Assessment with Herder Communities in Eastern Mongolia

Any change of plans to what was proposed: In addition to these workshops, analysis and report, it was anticipated that a full economic valuation of the natural resources in community managed areas would be completed, but this did not happen because of the additional time it took to locate and visit isolated pastoralist communities scattered across the steppe. WCS/Mongolia is seeking non TransLinks funds to complete this component of the case study.

1.2.3 Decentralized Natural Resource Management, Livelihoods and Conservation, Laos (Lead Partner: WCS; USAID \$32,084)

This study focused on the *Nam Et-Phou Louey National Protected Area of Laos* to explore how implementation of government decentralization laws influences natural resource management, wildlife conservation and local livelihoods. More specifically, this case study asked what is the impact of decentralized natural resource governance on 1) the offtake of wild meat and, 2) household food security and dietary adequacy over time at different wealth levels in ethnic minority villages in an IUCN Category VI Managed Resource Area. A multi-sectoral study of this kind had never been conducted in Lao PDR. Thus, the aim of the study in FY09 was to test and refine methods for the collection of data needed to answer these questions and for analysis of results. In addition, in FY09, WCS staff in Laos evaluated these methods for training national counterparts to collect data, and to analyse and interpret results.

Outputs:

- Report: Linking household food consumption with the sustainable harvest of wildlife species in the managed zone of the NEPL NPA; Report on Workshop 1: February 12-13, 2009 (in progress_
- Report: Participatory methods for recording trends in wild foods collection and household food consumption in the NEPL NPA; 12 August 2009 (in progress)
- Report: Linking household food consumption with sustainable harvest of wildlife in the NEPL NPA; Final Report (in progress)
- Policy reform: As a result of WCS organized interdisciplinary workshops and research showing strong linkages between natural resource management and rural livelihoods, the district

development sector (health, education and rural development) have modified their policies in Lao PDR to include the National Protected Area Management Unit in the district plan for poverty reduction.

Any change of plans to what was proposed: none. WCS/Lao PDR is raising non TransLinks funds to continue this work.

1.2.4 Post-Conflict Natural Resource Management, Uganda (Lead Partner: WCS; USAID \$25,667)

This case study was supposed to involve WCS/TransLinks staff working with WCS/Uganda staff to document the way in which WCS/Uganda has worked with partners to address and mitigate the conflict along the Democratic Republic of Congo and the Uganda border, particularly as it has affected conservation of the Greater Virunga Landscape.

Output:

- None – see below

Any change of plan to what was proposed:

Due to conflict along the DRC and Ugandan border, this case study was postponed indefinitely. Instead, we are contributing a chapter to a UNEP book on the role of conservation in post-conflict settings, which will review several sites where WCS has worked in such situations. This will be completed in December 2009.

1.2.5 Tenure Security, Livelihoods and Conservation as an Immigration Frontier, Ituri (Lead Partner: WCS; USAID \$8,167)

The Ituri Forest case study in Northeastern DR Congo documented ongoing attempts to secure indigenous community land tenure and resource access rights in a post conflict context with significant prior and increasing human population displacements. Dr. David Wilkie worked with Dr. Ellen Brown and her colleagues in ICCN (Institut Congolais pour la Conservation de la Nature) during FY08 to explore opportunities for documenting efforts to secure the territorial and natural resource access rights of indigenous foragers and farmers within a protected area. This case study complements and supports activities financed through the USAID Central African Regional Program for the Environment managed by USAID-Kinshasa.

Outputs:

- Report: Participatory land use zoning in Okapi Wildlife Reserve (OWR), Democratic Republic of Congo (DRC) Case Study

Any change of plans to what was proposed: none

1.2.6 Livestock management in a common property area, Gran Chaco, Bolivia (Lead Partner: LTC; USAID: proposed \$9,003)

Any Change of Plans: This was not funded in FY09.

1.2.7 Decision-making and authority over natural resource management, Mali (Lead partner: LTC; USAID: \$ 26,694; Match: \$2,621.00)

This case study analyzed requirements and barriers to change by tracing the experience of a study area in Mali undergoing significant institutional change—change that is directed at achieving the accommodation of livestock husbandry with crop agriculture and biodiversity conservation. The Republic of Mali is well-known across the region for the seriousness it has shown toward the decentralization of resource management authority. Decentralization of resource management potentially can create new institutional spaces where necessary innovation could occur. On the other hand, decentralization must address the need to match the scales of governance with those of ecology (wildlife mobility, patch size requirements, etc.) and production systems (village agricultural lands, transhumance zones, etc.). The proposed study site is the area lying just south of the Boucle de Baoulé Biosphere Reserve in Western Mali. An expansion of the cultivation has led to the blocking of important transhumance paths from the north leading to greater reliance of grazing in the reserve. In these ways, the study area mirrors the regional problems facing the accommodation of production systems and biodiversity conservation. A unique feature of the study area is that decentralization is further along; local capacities are higher; and the herding-farming accommodation is taken more seriously than in most other areas in Mali. Therefore, it represents an important case to understand institutional requirements and barriers through critical evaluation of the process as it unfolds on the ground.

Outputs:

- Report: The new pastoral development paradigm: Engaging the realities of property institutions and livestock mobility in dryland Africa. Society and Natural Resources. (*This was a TransLinks report produced in FY08 but is still in press*).
- Report: Capital on the move: The changing relation between livestock and labor in Mali, West Africa. Geoforum. (*This was a TransLinks report produced in FY08 but is still in press*).
- Report: Livelihood transitions and the changing nature of farmer-herder conflict in Sahelian West Africa.” Journal of Development Studies. (in progress)
- Survey work (group, household and individual interviews) was undertaken on changing perceptions of climatic risk, strategies for mitigating risk (at household and community levels), and the changing vulnerability to climate risk within 13 agro-pastoral communities in Mali. (in progress)

Any change of plans from what was proposed: none

1.2.8 Parks and Poverty (Lead Partner: LTC; USAID: \$14,228)

Some studies suggest that protected areas (PAs) act as poverty traps for the rural poor. Others point to the vital benefits of PAs, such as providing water and reducing the impact of violent storms. The debate is especially important in the tropics, where protected areas now cover ~14% of the land mass, and include much of the planet’s richest biodiversity and poorest people. This project delved into a rich dataset (covering 20 years) from Central American countries on the environmental impact of PAs and socioeconomic indicators at the community, municipal, and provincial level. In addition to documenting trends over a 20-year period, this project explored the role of parks in mitigating landslides and flooding. The study will help improve practice and action based on understanding the benefits and costs, at different scales, of parks for the rural poor. Maggie Holland, the lead investigator on this project, presented preliminary results of this work at INEC (National Statistics and Census Institute) in Costa Rica. Approximately 40 people attended the meeting, including head of INEC and representatives from the following institutions: Ministry of Environment, Ministry of Agriculture, Ministry of Housing, Agrarian Development Institute and the Ministry of Health, among others.

Outputs:

- Report: Analyzing poverty and protected areas at the district-level in southern Central America.

Any change from what was originally planned: One report, rather than two, was produced in FY09.

2 Tool Development (\$113,001)

This activity was designed to tailor, refine and make broadly available to TransLinks institutions and their national partners newly developed analytical frameworks and decision support tools. Dissemination of these tools will greatly enhance the ability of TransLinks project staff to design and plan NWP-based programs.

2.1 Agricultural Suitability Model-GIS tool to assess Agricultural Expansion in the Eastern Steppe, Mongolia (Lead Partner: WCS; USAID \$19,667)

This tool was proposed to be developed from activity 1.1.7 and to consist of a GIS based methodology, integrating satellite data, field data and policy information, for assessing tradeoffs in ecosystem services associated with different land-uses of the Eastern Steppe.

Outputs:

- Map of agricultural development before 1990 and in 2007 in relation to lakes, rivers and Aimag boundaries. This was incorporated into the report in 1.1.7.

Any change in plans from the original plan: As the work progressed on this project, it was apparent that it was not lack of tools that constrained government staff from undertaking spatial analyses of proposed changes in land-use in Mongolia, rather it was lack of skills and experience using available GIS tools. As a result, Karl Didier, Landscape Ecologist/GIS specialist of WCS/New York, working closely with Ochiroo Lkhamjav of the WCS/Mongolia program in New York and in Mongolia help trained 20 men and 5 women on the use of GIS tools for modeling the impacts of proposed land-use changes in Mongolia.

2.2 Nature, Wealth and Power Indicators for Forest Carbon/World Bank BioCarbon Fund (Lead Partner: WCS with LTC and Forest Trends, USAID: \$17,501; WCS/GEF: \$250,000)

These indicators will be developed as part of a World Bank BioCarbon Fund project led by WCS in Ethiopia, Mali, Niger and Madagascar. WCS will be working to develop biodiversity and socio-economic indicators that can be used for measuring and monitoring the social and ecological impacts of forest carbon projects. The goal of this project is to develop an easy-to-use monitoring protocol that can be used quickly by people with little technical experience and training, without compromising the quality of the information. If useful, these indicators and socio-ecological monitoring methods may be tested and applied in WCS REDD pilot sites and in select Wildlife Friendly Enterprise initiatives.

Any change of plans to what was proposed: Due to a delay in funding from GEF, this has been postponed until FY10. Funding is now expected to be made available to WCS in January 2010.

2.3 Integrating ecosystem services assessment and market chain analysis (Lead Partner: Earth Institute; USAID \$65,834; Match: \$34,500)

This work brought together applied studies being done by EI into a simple guide/decision support tool for assessing the impact of land cover, land use change and biodiversity on the range and flows of ecosystem services. This work was developed with the goal of eventually integrating it into the "Conservation Market Equation" value chain analysis tool developed by EWV/RI so that communities interested in developing natural products enterprises would be better able to assess, not only the ecological sustainability of marketing certain products, but also whether doing so will adversely influence the range and flows of ecosystem services that contribute to other components of their household economies.

Outputs:

- Report: Ecosystem services: A primer for biodiversity conservation (This is the pretext for thinking about how ecosystem services can be better integrated into a market chain analysis).
- Report: Documentation and synthesis of six PES case studies which was done by Columbia University/SIPA students with guidance from Forest Trends and WCS:
 - Rewarding Upland Poor for Ecosystem Services in Indonesia (RUPES)
 - PES Bundling in Forest Communities: Watershed Management & Carbon Offsetting (Pico Bonito, Honduras)
 - Forest Restoration for Climate, Community, and Biodiversity (FCCG) in Tengchong County, China
 - Protecting the Sierra Gorda Biosphere Reserve in Queretaro, Mexico
 - Biodiversity Conservation and Carbon Sequestration Services of Silvopastoral Practices (Matiguás-Río Blanco, Nicaragua)
 - Community-Based Joint Forest Management in Tanzania
 - Mgahinga-Bwindi Impenetrable Forest Conservation Trust (MBIFCT)
 - A Joint CARE/WWF Scheme: Equitable Payments for Watershed Services (PWS) Tanzania, Africa
 - Fostering Ecosystem Services in the Danube Basin
 - The Working for Water Program South Africa
- Presentation: Ecological regulation of ecosystem services, presentation by Jason Sicerly at the EWV/RI Value Chain Workshop in Arusha, Tanzania (This presentation helped to demonstrate the importance of integrating ecosystem service thinking into the value chain).

Any change of plans from what was originally proposed: The case studies produce by the Columbia University/SIPA students in FY09 was a new addition to what was originally proposed in the work plan, but cost nothing to USAID. This work built upon work that was done by SIPA students in FY07 on documenting and consolidating PES case studies with Forest Trends, but was a significant improvement upon that work. At the suggestion of Beto Borges of Forest Trends, TransLinks requested that one of the students continue to work with us to do fact checks and follow ups on each of the cases with the project leaders of those programs so that this information could be posted with more credibility on the Ecosystem Marketplace. These case studies, in combination with other TransLinks documented case studies on PES, will serve as a body of literature for an analysis proposed by EI, with WCS support, in FY10 to explore the role of ecological science in designing robust and credible PES programs.

2.4 REDD Readiness Primer, WCS, \$10,000

Building on the success of the REDD readiness training workshop in Lima, Peru during FY08, the presentations of Lucio Pedroni (CATIE), Tim Pearson (Winrock) and staff of WCS were distilled, along with additional research on REDD, into a brief primer for field practitioners and their line-managers on "Getting Ready for REDD." This primer has provided field practitioners with a clear understanding of the general conditions required to initiate a REDD project at their location and the steps needed to implement a REDD project. The manual was accompanied by a REDD readiness PPT that was delivered at the WCS REDD meeting in New York in June 2009. This primer will be revised and updated by FT as part of their activities in FY10.

Outputs:

- Report: WCS REDD Primer: manual for conservation field and program staff
- Presentation: REDD readiness power point presentation, based on the primer

Any change of plans from what was proposed: The REDD readiness DVD will be developed as part of the PES curriculum in FY10.

3 Cross Partner Exchange and Capacity Building (\$426,946)

3.1 Integrating biodiversity and ecosystem services into Millenium Villages planning and outcomes (Lead Partner: Earth Institute; USAID: \$60,000; Match: \$60,000)

At the Millennium Village Annual meeting in Addis Ababa, Shahid Naeem and other TransLinks representatives of Columbia University/the Earth Institute convened individual meetings with the agriculture and environment team leads from the Millennium Villages representing different ecosystem types to discuss the "Biogeochemistry of Human Well Being" concept that arose from the FY08 TransLinks work and to get feedback on the use of the Ecosystem Primer (produced for TransLinks this year in 2.3) to help refine draft into a final, useful product. In addition, Shahid gave a presentation to the larger group at the pre-meeting retreat on integrating ecosystem service thinking, as presented in the "Biogeochemistry of Human Well Being" and Ecosystem Service Primer, into Millennium Village work and projects designed to achieve the Millennium Development Goals.

Outputs:

- Presentation: Biogeochemical Ecosystem Services, Shahid Naeem
- Report: TransLinks and the Millennium Villages Report- Integrating biodiversity and ecosystem services into the Millennium Villages
- Draft in Progress: Mainstreaming ecosystem services into Sub-Saharan African social and economic development, led by Shahid Naeem (was started in FY09 and will be completed in FY10)
- Poster: Environment and Poverty efforts in Kenya to get the policy right (also reported in 3.6)

Any changes from what was originally planned: Due to the challenge of getting all partners together in Africa for a workshop, rather than bringing all of the partners to the EI MV meeting (described above), as planned, EI sent representatives to the EWV/RI workshop in Tanzania and gave presentations there.

Although a ticket had been purchased for CJ Jones of the MDG center in Nairobi, who is in charge of business development in the MVs, her passport was stolen and so she was not able to attend. Jason Sicerly attended and presented on behalf of the EI/MVs in her absence.

3.2 Madagascar Biodiversity Offset Workshop Training of Trainers and Implementation (Lead Partner: Forest Trends with WCS; \$86,043)

In January the Business and Biodiversity Offset Program (BBOP) of Forest Trends had planned to hold a biodiversity policy workshop in Madagascar that was aimed at starting discussions on the possibility of building regulations and standards at a national level around biodiversity offsets. The workshop planned to involve participation of NGO's, business, donors, and Government. Due to a presidential coup in Madagascar, the post-meeting training sessions that were to be supported by TransLinks were cancelled. These funds were redirected to a BBOP partnership meeting in Paris, France.

Outputs:

- Meeting Report

3.3 Integrating geospatial and field-based science to assess biodiversity conservation workshop (Lead Partner: LTC; USAID \$3,011)

In response to rapid environmental change and biodiversity loss, scientists are developing new methods for assessing conservation strategies. These new methods include sophisticated use of satellite imagery to assess land cover change in and around protected areas and rigorous field measurement of human activities and land use decisions. The Nelson Institute brought prominent women scientists to the UW Campus to present their research and delve into strategies for assessing the environmental outcomes of specific governance structures (e.g. co-management, conservation concessions, etc). Participants also discussed leadership opportunities for women working on environmental science in developing countries.

Outputs:

- Presentation: "Land Use Transitions and Ecosystem Services in Tropical Forests," Ruth DeFries, keynote address, Yi-Fu Tuan Lecture Series.
- Presentation "Poverty Traps, Safety Nets or Development Magnets? Modeling the Influence of Costa Rican Parks on Human Welfare over Time," Maggie Holland.
- Presentation "The Shrinking Ark: Large Mammal Extinction in India," Krithi Karanth.
- Presentation "Predicting Climate Change Impacts on Biodiversity in the Tropical Andes," Jack Williams.
- Presentation "Tropical Land-use Change: Consequences for Biodiversity and Carbon," Erika Marin-Spiotta.
- Presentation "Seeking Sustainability in the Amazon: Shifting from Brazil Nut Exploitation to Conscious Management," Karen Kainer, public lecture

Any change in plans from original proposal: none

3.4 Strengthening land tenure to improve forest conservation: Lessons from the field, Ecuador (Lead Partner: LTC; USAID \$31,486; Match: \$3,119.80)

In collaboration with WCS Ecuador and other local partners, LTC designed and implemented a short training course related to governance issues underlying efforts to devolve authority and responsibility for environmental management and provide incentives to conserve forest and watersheds specifically.

The target audiences were leaders from community organizations (including indigenous groups) and municipal agencies.

Outputs:

- Presentation/Report: LTC Brief 4-S. “Planificación colaborativa para uso del suelo: Zonificación para la conservación y desarrollo en áreas protegidas,” by Lisa Naughton
- Presentation/Report: LTC Brief 9. “Rewards for Ecosystem Services and Collective Land Tenure: Lessons from Ecuador and Indonesia,” by Kelly Wendland: University of Wisconsin-Madison
- Presentation/Report: LTC Brief 9-S. “Incentivos a cambio de servicios ambientales y colectividad de la tenencia de la tierra: Lecciones de Ecuador e Indonesia,” por Kelly Wendland, Universidad de Wisconsin-Madison, y Luis Suarez, Conservación Internacional-Ecuador.
- Presentation/Report: Summary of Literature: PES and Land Tenure in Ecuador, by Susana Lastarria-Cornhiel. (Produced to help us synthesize lessons for land tenure and REDD.)
- Presentation/Report: Costs of titling and registration projects, by Susana Lastarria-Cornhiel.
- Presentation/Report: Applied Research Summary: The influence of land tenure on forest cover change in Ecuador and implications for REDD investments, by Margaret Holland and Lisa Naughton.

Any change of plans from the original proposal: none

3.5 Wildlife Friendly Enterprise Workshop in South Africa (Lead Partners: WCS and EnterpriseWorks/VITA) (Lead Partners: WCS and Enterprise Works/VITA; USAID \$71,692)

This workshop brought together producers in the Wildlife Friendly Enterprise Network to present their initiatives, share lessons learned and to foster understanding on the key factors for success when developing enterprises that conserve biodiversity and reduce poverty.

Outputs:

- Decision Support Tool: Green Marketing Trends Tool (Guide and Training PPT) and Training PPT on certification programs and Eco-labels
- Decision Support Tool: New and Evolving Web-based Marketing
- Presentation: Himalayan BioTrade Case Study (PPT)
- Presentation: PPT on overview of WF, learning and cases
- Presentation: PPT on overview of WF, learning and cases
- Wildlife Friendly Brochures
 - Report: Aroma Forests
 - Report: Elephant Pepper
 - Report: Wildlife Works
 - Report: Ann Kent Taylor
 - Report: Himalayan Bio Trade Pvt. Ltd.
 - Report: Ibis Rice
 - Report: COMACO
 - Report: All Things Alpaca
- Report: Elephant Pepper Case Study

Any change in plans other than those in the proposed work plan: Rather than hosting a workshop of producers in South Africa, a meeting of Wildlife Friendly Enterprise Network board representatives was

convened in Washington, DC and also attended by USAID representatives, Mike Colby and Hannah Fairbank.

3.6 World Conservation Congress Side Event on Nature, Wealth and Power (Lead Partner: WCS; USAID \$11,667)

This workshop brought together representatives from all of the TransLinks partner organizations to a side event hosted by TransLinks at the World Conservation Congress in Barcelona to discuss the key elements of nature, wealth and power in their work and across four case studies that demonstrated innovative approaches to natural resource management, enhanced livelihoods and the governance structures needed to make those work. Panelists included Alice Ruhweza of Forest Trends, Ann Koontz of EWV/RI, Lisa Naughton of LTC, and David Wilkie of WCS. Posters were created and delivered by Sharon Gordan of EI/MV project, Pete Coppolillo and David Mutekanga of WCS, Charles Foley of WCS and David Meyers/Helen Crowley of Madagascar Bamboo. (Note: these were included in the FY09 report).

Outputs:

- Four posters on Nature, Wealth and Power for discussion by panel:
 - Protein substitution or supplementation? Improving Poultry Production for Sustainability in the Ruaha Landscape, Tanzania (WCS)
 - Environment and Poverty efforts in Kenya to get the policy right (EI)
 - Private sector payments for conservation and livelihoods in the Simanjiro Plains, Tanzania (WCS)
 - Madagascar Bamboo A Sustainable Business Model for Conservation (Madagascar Bamboo)

Any change of plans to what was originally proposed: none

3.7 Reducing Emissions from Deforestation and Degradation (REDD) meeting in New York (Lead Partner: WCS; USAID \$7,000)

This meeting provided an abridged version of the REDD training course held in Peru by WCS in FY08. WCS staff and members of USAID attended this meeting.

Outputs:

- Presentation: History of REDD as a policy mechanism for reducing emissions
- Presentation: Key Steps to Developing A REDD Project
- Presentation: WCS REDD efforts to date
- Presentation: Carbon stock and baseline assessments
- Presentation: Benefit sharing mechanisms that promote local livelihoods and conservation through equitable governance institutions and processes
- Presentation: Policy implications and update on REDD negotiations
- Presentation: Concessions as an opportunity for REDD?
- Presentation: Securing project development funds
- Presentation: Marketing of credits

Any change from plans originally proposed: none

3.8 Market Chain Analysis Training, Africa and Philippines (Lead Partner: EWV; USAID: \$ 71,692; Match: \$20,680)

The draft materials developed for a market chain analysis workshop to be conducted in FY08 in Tanzania, which was cancelled due to local politics, were updated to incorporate wood lots, fruit trees, and rainwater harvesting cases that would still include EWV, Millennium Village and WCS sites in Tanzania, but avoid the politically sensitive Eco-tourism Sector. EWV conducted an early spring case development trip in Tanzania and the training was held in June 2009.

EWV/RI also held a market chain study tour in Palawan for the Cebu Furniture Industries (CFIF) members to visit the harvest sites and meet with the community groups and local officials. The CFIF along with the other forest stakeholders were interested in highlighting the nature, wealth, and power aspects of their industry, especially within the land planning options being debated on Palawan. This case highlighted how land planning options can be influenced by industry to benefit biodiversity conservation.

Outputs:

- Philippines Rattan Value Chain Workshop proceedings and Guidance Document on Facilitating a Value Chain Actors' Field Trip
- Tanzania Workshop proceedings: "Value Chain Cases in the Context of Conservation Marketing and Certification" training materials and cases covering 5 market chains

Any change of plans from original proposal: none

3.9 REDD biomass survey and deforestation rate training and manual preparation - Mondulkiri, Cambodia (Lead Partner: WCS, USAID\$40,000)

WCS Cambodia staff with assistance from Winrock conducted a training of Cambodia national staff to a) assess carbon biomass using field surveys, and b) use remote sensing image analysis to assess present forest cover and historical rates of deforestation. Methods are being compiled into a REDD readiness field manual and will be made widely available upon completion. (WCS is providing additional funds to support this effort).

Outputs:

- Training Manual on Developing Baselines for REDD Projects, forthcoming in FY10

Any change in plans from what was originally proposed: none, although the baseline modeling has taken much longer than expected.

3.10 USAID staff ENRM/Climate, Forests and PES Training - South Africa - May 2009 (Lead Partner: Forest Trends, USAID \$20,000)

From May 4-8, 2009, USAID offered an Environment and Natural Resources Management overview course for USAID staff in the Africa region, in Pretoria, South Africa. Following this training session, a 3-day PES, Forests, and Climate Change in-depth training module was offered from May 11-13. The materials and presentations for this module were developed by CIFOR (www.cifor.cgiar.org), ICRAF (<http://www.worldagroforestry.org>), Forest Trends and the Katoomba Group (www.forest-trends.org and www.katoombagroup.org).

The training provided participants with a solid understanding of forests, climate change, and environmental markets / payments for ecosystem services. It offered USAID and its partners an opportunity to learn from experts within a small setting on topics that included:

- forests, climate change, and adaptation as well as economic services of ecosystems
- emergence and growth of environmental markets and payments for ecosystem services
- carbon markets and payments for ecosystem services (including reduced emissions from deforestation and forest degradation (REDD), afforestation/reforestation (A/R) clean mechanism (CDM), carbon accounting, etc.)
- water and biodiversity payments for ecosystem services
- guidelines for assessing opportunities and risks associated with engagement with these market mechanisms— particularly given broader biodiversity and poverty alleviation objectives

Outputs:

- Meeting Materials (agenda, pre-reading bibliography, URLs) are not included in the annual report materials because most of the materials were not produced with TransLinks support.

3.11 USAID staff ENRM/Climate, Forests and PES Training - Washington DC - July 2009 (Lead Partner: Forest Trends, USAID \$10,000)

Any change in plans from what was originally proposed: this did not happen.

4 Global Dissemination (\$60,721)

4.1 Conferences (Lead Partners: WCS and Earth Institute; USAID \$11,421))

TransLinks staff presented several outputs at international conferences in FY09 at the International Human Dimensions Program Conference, International Marine Conservation Congress, and the Ecological Society of America meeting.

Outputs:

- Key Characteristics of Payment for Ecosystem Service Markets that Work for the Poor and for Conservation. Dr. Jane Carter Ingram and Dr. David Wilkie. This was presented at the International Human Dimensions Program Conference, Bonn, Germany, April 2009.
- Payment for Ecosystem Services in Coastal and Marine Environments: Lessons from Land to Sea. Dr. Caleb McClennen, Dr. Jane Carter Ingram, Dr. David Wilkie. This was presented at the International Marine Conservation Congress, Washington, DC, May 2009.
- The Role of Ecology in Poverty Reduction, Special Organized Session at the Ecological Society of America Meeting, Albuquerque, New Mexico. The session was organized by Fabrice DeClerck of CATIE, Jane Carter Ingram of WCS/TransLinks, Cristina Rumbaitis del Rio of the Rockefeller Foundation with presentations from Sean Smuckler of the Earth Institute and Sandra Baptista of the Earth Institute, as well as presentations from representatives Yale University, the School for Field Studies, and presentations by the organizers.

4.2 Panel Debate on PES and Governance with UNDP/Equator Initiative (Lead Partner: WCS; USAID \$10,300)

WCS was planning to partner with the UNDP/Equator Initiative to host a panel discussion on a TransLinks thematic area in New York.

Any change in plans from original proposal: Due to difficulty coordinating timing and logistics, it wasn't possible for us to organize a joint event this year, but we plan to organize something in FY10 that would represent an opportunity to disseminate TransLinks materials and lessons learned. Most of the funding for this activity has been reprogrammed towards supporting a workshop on Health as an Ecosystem Service which will occur in FY10. However, TransLinks worked with UNDP Equator Initiative during FY09 and contributed to the UNDP Equator Initiative's side event on "Information for Governments on Reducing Emissions from Deforestation and Forest Degradation (REDD) Training" at the United Nation's Commission on Sustainable Development meeting in May 2009 where Jane Carter Ingram presented on TransLinks' partners collective work on REDD.

4.3 Case study reprinting and distribution (Lead Partner: WCS, USAID: \$15,000)

Due to high volumes of requests, we printed additional copies of all of the case studies produced in FY08. In addition, in response to requests in Madagascar, the Makira case study was translated into French.

4.4 REDD readiness training materials distribution (Lead Partner: WCS, USAID, \$12,000)

Due to high volumes of requests, the REDD primers was translated into French and Spanish.

5 Administration (USAID: \$ 199,527)

6 Knowledge Generation, Regional PES Studies (USAID: \$ 396,000)

6.1 Scoping of Payments for Water Services, Gabon (Lead Partner: WCS, USAID: \$100,000)

This activity assessed the feasibility of developing a Payment for Water Services (PWS) scheme in the Mbe River watershed of Gabon. This work assessed the enabling conditions, governance structures, land rights and ecological thresholds, that need to be in place to make a PWS scheme work. Results of this work were used to prepare a solicited proposal to WB/GEF that will provide \$1,000,000 of support to implement a PWS in this watershed.

Outputs:

- Report: Payments for Water Services in the Mbe Watershed , Gabon case study
- Report: Payments for Water Services, Project Development Checklist (draft, included at the end of the Mbe Watershed case study)
- Report: Payments for Ecosystem Services in Gabon- what are the options? (forthcoming)

Any change in plans from what was originally proposed: none

6.2 Scoping of Payments for Ecosystem Services, Mekong River Watershed (Lead Partner: Forest Trends; USAID: \$100,000)

This activity assessed the feasibility of developing a payment for ecosystem services scheme in the Mekong River Watershed. This work assessed the ecosystem service(s) that could be marketed in the area and the enabling conditions necessary to implement potential PES schemes in the region.

Outputs:

- Report: Analysis of Existing PES Contracts in Vietnam: Structures and Benefits (benefits sharing workprogram) (in progress)
- Report: Vietnamese translation of Getting Started: An Introductory Primer for Assessing and Developing Payments for Ecosystem Services
- Report (draft): REDD and Benefits Distribution Learning from Social Funds (in progress)

Any change in plans from what was originally proposed: none

6.3 Scoping of Payments for Ecosystem Services, Brazil (Lead Partner: Forest Trends, USAID: \$100,000)

This activity assessed the feasibility of developing a payment for ecosystem services scheme in the Xingu watershed, Brazil. This work assessed the ecosystem service(s) that could be marketed in the area and the enabling conditions necessary implement potential PES schemes.

Outputs:

- Presentations: Conference presentations and materials on PWS potential in Brazil, presented at the Katoomba XIV Brazil meeting

Any change in plans from what was originally proposed: none

6.4 Regional legal and institutional PES water assessment (Lead Partner: Forest Trends, USAID: \$48,000)

This activity involved documenting the legal, jurisdictional and organizational context for establishing PES-water markets.

Outputs:

- Report: Reports and synthesis on legal and institutional PES water assessments in Brazil, Bolivia, Colombia and Peru (in progress)

Any change in plans from what was originally proposed: Followed original plan, but translation and editing has delayed publication

6.5 Regional legal and institutional PES carbon assessment (Lead Partner: Forest Trends, USAID: \$48,000)

This activity involved documenting the legal, jurisdictional and organizational context for establishing PES-carbon markets.

Outputs:

- Report: Reports and summary on legal and institutional PES carbon assessments in Brazil and Colombia (in progress)

Any change in plans from what was originally proposed: Following original plan, but editing has delayed publication

6.6. State of Water Markets Report (Lead Partner: Forest Trends, USAID:\$0)

This report is the first report on the “State of Water Markets”. This entails a global catalogue of water market transactions, with heavy emphasis on water quality markets, including a classification of transaction types, what is driving demand, major players, overall size of the market, growth potential and key trends. The report highlights best practices in the design of these markets by discussing a few select case studies.

Outputs:

Report: State of the Water Market Report (in progress)

Any change in plans from what was originally proposed: Research and editing has delayed publication

7 Tools Development, PES (\$109,000)

7.1 Reducing Emissions from Deforestation and Degradation (REDD) preparation papers (Lead Partner: Forest Trends; USAID \$79,000)

Carbon markets, both regulated and voluntary, have grown rapidly and offer opportunities for new investment in Latin America, Asia, and Africa. The emergence of opportunities for Reduced Emissions from Deforestation and Degradation (REDD) makes it critical for key public and nonprofit players in these regions to build capacity and put in place ‘REDD readiness’ strategies. For example, key issues to understand and prepare for include: how to develop national baselines, whether to do inventories of the entire country or just certain areas, how to combine projects with a range of other efforts, how to conduct national level accounting, and how to assess equity objectives and risks as well as extra-sectoral drivers of deforestation. Forest Trends and the Katoomba Group helped meet these informational needs in FY09.

Outputs:

- Report: Forests: Taking Root in the Voluntary Carbon Markets Report
- Report: State of the Forest Carbon Report (in progress)

Any change in plans from what was originally proposed: none

7.2 Legal Assessment of PES (Lead Partner: Forest Trends; USAID \$30,000)

There is growing recognition that legal and institutional challenges can fundamentally thwart development of PES. In response, the Katoomba Group developed and pilot-tested a new methodology for conducting rigorous assessments of legal and institutional contexts, to understand key obstacles, gaps and actions needed to make the context conducive to PES.

Outputs:

- Report: Synthesis report (forthcoming)

Any change in plans from what was originally proposed: Research and editing resulted in slight delays. Report will be launched in early December 2009.

8 Cross Partner Exchange and Capacity Building, PES (\$495,000)

8.1 Payments for Ecosystem Services Regional Workshops (Lead Partners: Forest Trends and WCS; USAID, \$120,000)

As forest-based carbon credit schemes, such as sequestration and REDD, gain international attention as potentially powerful mechanisms to promote conservation and avoid deforestation, it is imperative to create the awareness and capacity for local communities to participate in and benefit from PES schemes that value their stewardship role of forests and ecosystem services. A capacity building workshop for community-based organizations in Rio Branco, Acre, was held as the first of a series to increase the ability of local communities to become active players in forest carbon opportunities and other PES schemes.

Outputs:

- Presentations and Course Curriculum: Conference presentations and materials on PES presented at the MAP Brazil meeting

Any change in plans from what was originally proposed: Exceedingly high demand for participation resulted in a single workshop in Brazil being held rather workshops in Brazil, Peru and Bolivia. Additional regional workshops are planned for FY10.

8.2 Katoomba Event, Ghana, 2009 (Lead Partners: Forest Trends, USAID, \$120,000)

Outputs:

- Publication providing context and background for West Africa Katoomba XV Meeting, October 6-10 2009: EM Market Insights. "Carbon and Land-Use: The Economies of Cocoa, Timber and Agriculture". The Katoomba Group's Ecosystem Marketplace.
- Katoomba XV October 2009 briefing notes:
 - "Realising REDD: Implications of Ghana's Current Legal Framework for Trees"
 - "REDD Opportunities Scoping Exercise (ROSE) for Ghana - Identifying Priorities for REDD Activities on the Ground. Preliminary Review of Legal and Institutional Constraints"
 - "Sweetening the Deal for Shade-Grown Cocoa: A Preliminary Review of Constraints and Feasibility of Cocoa Carbon in Ghana."
- A short overview report of Katoomba XV Meeting

Any change in plans from what was originally proposed: This Katoomba event was slightly delayed so was actually held in FY10 rather than FY09.

8.3 Katoomba Event, Matto Grosso, April 2009 (Lead Partners: Forest Trends, USAID, \$120,000)

Outputs:

- Conference agenda and materials

Any change in plans from what was originally proposed: none

8.4 South East Asia, Katoomba Meeting (Lead Partner: Forest Trends, USAID \$135,000)

Outputs:

- Preparation for SE Asia Katoomba meeting: Participation & 2 presentations in ARBCP BKK workshop
- Preparation for SE Asia Katoomba Meeting Travel of 4 VN participants to Ghana Katoomba for initial advisory meeting
- Planning: Series of EM articles on SE Asia PES (in preparation for SEA Katoomba meeting)

Any change in plans from what was originally proposed: This Katoomba event will be held in March 2010

9 List of FY09 products

Section	Outputs
1.1.1	<p>Presentation: Nepal Forest Carbon Training Power Point Presentations/Workshop Proceedings</p> <p>Report: Payment for Ecosystem Services: Developing Forest Carbon Projects in Nepal</p> <p>Other: Community Consultations/training</p>
1.1.2	<p>Report: Payments for Biodiversity Conservation in the context of weak institutions: comparison of three programs from Cambodia</p> <p>Report: An evaluation of the effectiveness of a direct payment for conservation: The Bird Nest Protection Program in the Northern Plains of Cambodia</p> <p>Report: Leveling the Playing Field: the Effects of Institutional Controls on Common Pool Resource Extraction</p> <p>Analysis: REDD Readiness Training and Deforestation Modeling (report in progress)</p>
1.1.3	<p>Report: Improving Poultry Production for Sustainability in the Ruaha Landscape, Tanzania</p> <p>Report: Improving Poultry Production for Sustainability in Mozambique (draft completed, final version due December)</p>
1.1.4	<p>Report: The Potential for Intensive Crop Production in the Eastern Steppe of Mongolia: History, Current Status, Government Plans, and Potential Impacts on Biodiversity</p>
1.1.5	<p>Report: Typology of Bundled Ecosystems (in progress)</p> <p>Report: Six case studies of bundled ecosystem service projects (in progress)</p>
1.1.6	<p>Video/Documentary of Community Markets for Conservation (COMACO) (in progress)</p>

1.1.7	<p>Presentation: "Presentation of Project Results to the Colepato Community Cooperative," prepared by R. Zug, V. Shelley, T. Jones and A. Treves of the Carnivore Coexistence Lab, Nelson Institute for Environmental Studies, University of Wisconsin-Madison</p> <p>Report: Key wildlife photographed in 2008 and 2009 on the Certified Wildlife Friendly property of All Things Alpaca, Ecuador, courtesy of R. Zug and T. Jones. Report for Wildlife Friendly website and USAID.</p> <p>Report: Wildlife Friendly monitoring and verification project, Ecuador, by Adrian Treves.</p> <p>Report: Treves, A., Wallace, R.B., White, S. 2009. "Participatory planning of interventions to mitigate human-wildlife conflicts." Conservation Biology 23(4) (A publication on the application of conservation science to participatory planning of interventions with a WCS co-author and the founder of an Ecuadorian NGO.)</p> <p>Report: LTC Brief 10. "Market Financing for Biodiversity Conservation and Strategic Tradeoffs for Wildlife-friendly Eco-labels," by Adrian Treves and Stephanie Jones.</p>
1.2.1	<p>Report: "Briefing on Pilot Fieldwork: Wildlife conservation and human livelihoods in Western Ghats landscape; Analysis of key interactions between human-managed and natural ecosystems." A planning document for WCS-India and the WCS-Translinks program. Lisa Naughton, Adrian Treves, Ruth DeFries (Earth Institute, Columbia University), Krithi Karanth (Duke University).</p> <p>Report: "DRAFT Précis—Assessing Voluntary Resettlement Strategies and Outcomes in Protected Areas of the Western Ghats," Asmita Kabra (Ramjas College, University of Delhi), Teri Allendorf, Keera Allendorf.</p> <p>Report: "Costs of living with wildlife: Predicting incidences of damage and cost of living with wildlife in and around an Indian Tiger Reserve," Sanjay Gubbi (WCS-India), Adrian Treves.</p> <p>Course Curriculum: Human Dimensions of Wildlife Conservation. A course curriculum design for M.Sc. students in Wildlife Biology and Conservation Venue: National Centre for Biological Sciences, GKVK Campus, Bangalore, 20-31 July 2009. Adrian Treves, Teri Allendorf, Sanjay Gubbi (WCS-India), Ajith Kumar (Centre for Wildlife Studies)</p>
1.2.2	<p>Report: Participatory Wildlife and Natural Resource Assessment with Herder Communities in Eastern Mongolia</p>
1.2.3	<p>Report: Linking household food consumption with the sustainable harvest of wildlife species in the managed zone of the NEPL NPA; Report on Workshop 1: February 12-13, 2009</p> <p>Report: Participatory methods for recording trends in wild foods collection and household food consumption in the NEPL NPA; 12 August 2009</p> <p>Report: Linking household food consumption with sustainable harvest of wildlife in the NEPL NPA; Final Report</p> <p>(These reports are being finalized)</p>
1.2.4	<p>Report: A case study/report detailing what has/has not worked in employing a conflict analysis approach for conservation in a conflict zone (in progress)</p>

1.2.5	Report: Participatory land use zoning in Okapi Wildlife Reserve (OWR), Democratic Republic of Congo (DRC) Case Study
1.2.6	N/A
1.2.7	<p>Report: The new pastoral development paradigm: Engaging the realities of property institutions and livestock mobility in dryland Africa. Society and Natural Resources. (<i>This was a TransLinks report produced in FY08 but is still in press</i>).</p> <p>Report: Capital on the move: The changing relation between livestock and labor in Mali, West Africa. Geoforum. (<i>This was a TransLinks report produced in FY08 but is still in press</i>)</p> <p>Report: Livelihood transitions and the changing nature of farmer-herder conflict in Sahelian West Africa.” Journal of Development Studies.</p> <p>Survey work (group, household and individual interviews) was conducted on changing perceptions of climatic risk, strategies for mitigating risk (at household and community levels), and the changing vulnerability to climate risk within 13 agro-pastoral communities in Mali.</p> <p>(These latter two reports are in progress)</p>
1.2.8	Report: Analyzing poverty and protected areas at the district-level in southern Central America.
2.1	Map of agricultural development before 1990 and in 2007 in relation to lakes, rivers and Aimag boundaries. This was incorporated into the report in 1.1.7.
2.2	Cancelled
2.3	<p>Report: Ecosystem services: A primer for biodiversity conservation (This is the pretext for thinking about how ecosystem services can be better integrated into a market chain analysis).</p> <p>Report: Documentation and synthesis of six PES case studies which was done by Columbia University/SIPA students with guidance from Forest Trends and WCS:</p> <ul style="list-style-type: none"> • Rewarding Upland Poor for Ecosystem Services in Indonesia (RUPES) • PES Bundling in Forest Communities: Watershed Management & Carbon Offsetting (Pico Bonito, Honduras) • Forest Restoration for Climate , Community, and Biodiversity (FCCG) in Tengchong County, China • Protecting the Sierra Gorda Biosphere Reserve in Queretaro, Mexico • Biodiversity Conservation and Carbon Sequestration Services of Silvopastoral Practices (Matiguás-Río Blanco, Nicaragua) • Community-Based Joint Forest Management in Tanzania

	<ul style="list-style-type: none"> • Mgahinga-Bwindi Impenetrable Forest Conservation Trust (MBIFCT) • A Joint CARE/WWF Scheme: Equitable Payments for Watershed Services (PWS) Tanzania, Africa • Fostering Ecosystem Services in the Danube Basin • The Working for Water Program South Africa <p>Presentation: Ecological regulation of ecosystem services, presentation by Jason Sicerly at the EWV Value Chain Workshop in Arusha, Tanzani</p>
2.4	<p>Report : Reducing Emissions from Deforestation and Degradation Primer in English, Portuguese, Spanish and French</p> <p>Presentation: REDD readiness power point presentation, based on the primer (see 3.7)</p>
3.1	<p>Presentation: Biogeochemical Ecosystem Services, Shahid Naeem</p> <p>Report: TransLinks and the Millennium Villages Report- Integrating biodiversity and ecosystem services into the Millennium Villages</p> <p>Draft in Progress: Mainstreaming ecosystem services into Sub-Saharan African social and economic development, led by Shahid Naeem (was started in nFY09 and will be completed in FY10)</p> <p>Poster: Environment and Poverty efforts in Kenya to get the policy right (also reported in 3.6)</p>
3.2	Meeting Report
3.3	<ul style="list-style-type: none"> • Presentation: “Land Use Transitions and Ecosystem Services in Tropical Forests,” Ruth DeFries, keynote address, Yi-Fu Tuan Lecture Series. • Presentation “Poverty Traps, Safety Nets or Development Magnets? Modeling the Influence of Costa Rican Parks on Human Welfare over Time,” Maggie Holland. • Presentation “The Shrinking Ark: Large Mammal Extinction in India,” Krithi Karanth. • Presentation “Predicting Climate Change Impacts on Biodiversity in the Tropical Andes,” Jack Williams. (not included in the annual report) • Presentation “Tropical Land-use Change: Consequences for Biodiversity and Carbon,” Erika Marin-Spiotta. • Presentation “Seeking Sustainability in the Amazon: Shifting from Brazil Nut

	Exploitation to Conscious Management,” Karen Kainer, public lecture
3.4	<ul style="list-style-type: none"> • Presentation/Report: LTC Brief 4-S. “Planificación colaborativa para uso del suelo: Zonificación para la conservación y desarrollo en áreas protegidas,” by Lisa Naughton • Presentation/Report: LTC Brief 9. “Rewards for Ecosystem Services and Collective Land Tenure: Lessons from Ecuador and Indonesia,” by Kelly Wendland: University of Wisconsin-Madison (updated from version submitted in FY08) • Presentation/Report: LTC Brief 9-S. “Incentivos a cambio de servicios ambientales y colectividad de la tenencia de la tierra: Lecciones de Ecuador e Indonesia,” por Kelly Wendland, Universidad de Wisconsin-Madison, y Luis Suarez, Conservación Internacional-Ecuador. • Presentation/Report: Summary of Literature: PES and Land Tenure in Ecuador, by Susana Lastarria-Cornhiel. (Produced to help us synthesize lessons for land tenure and REDD.) • Presentation/Report: Costs of titling and registration projects, by Susana Lastarria-Cornhiel. • Presentation/Report: Applied Research Summary: The influence of land tenure on forest cover change in Ecuador and implications for REDD investments, by Margaret Holland and Lisa Naughton. • Presentation/Report: A list of agencies, NGOs and donors in Ecuador who met with us in August to discuss key challenges and policy interventions related to land tenure and forest conservation, and Sociobosque, in particular. • Presentation/Report: Literature for Systematic Meta-Analysis: Empirical evidence linking land tenure to forest conditions and land use
3.5	<ul style="list-style-type: none"> • Decision Support Tool: Green Marketing Trends Tool (Guide and Training PPT) and Training PPT on certification programs and Eco-labels • Decision Support Tool: New and Evolving Web-based Marketing • Presentation: Himalayan BioTrade Case Study (PPT) • Presentation: PPT on overview of WF, learning and cases • Presentation: PPT on overview of WF, learning and cases • Wildlife Friendly Brochures <ul style="list-style-type: none"> ○ Report: Aroma Forests ○ Report: Elephant Pepper ○ Report: Wildlife Works ○ Report: Ann Kent Taylor ○ Report: Himalayan Bio Trade Pvt. Ltd. ○ Report: Ibis Rice ○ Report: COMACO

	<ul style="list-style-type: none"> ○ Report: All Things Alpaca • Report: Elephant Pepper Case Study • Report: Wildlife Works Case Study (Longer version in progress) • Report: Lessons Learned, Opportunities and Innovations in Human Wildlife Conflict Compensation and Insurance Schemes (In review)
3.6	<p>Four posters on Nature, Wealth and Power for discussion by panel:</p> <ul style="list-style-type: none"> • Protein substitution or supplementation? Improving Poultry Production for Sustainability in the Ruaha Landscape, Tanzania (WCS) • Environment and Poverty efforts in Kenya to get the policy right (EI) • Private sector payments for conservation and livelihoods in the Simanjiro Plains, Tanzania (WCS) • Madagascar Bamboo A Sustainable Business Model for Conservation (Madagascar Bamboo)
3.7	<p>Presentation: History of REDD as a policy mechanism for reducing emissions</p> <p>Presentation: Key Steps to Developing A REDD Project</p> <p>Presentation: WCS REDD efforts to date</p> <p>Presentation: Carbon stock and baseline assessments</p> <p>Presentation: Benefit sharing mechanisms that promote local livelihoods and conservation through equitable governance institutions and processes</p> <p>Presentation: Policy implications and update on REDD negotiations</p> <p>Presentation: Concessions as an opportunity for REDD?</p> <p>Presentation: Securing project development funds</p> <p>Presentation: Marketing of credits</p> <p>Presentation: WCS regional approaches</p>
3.8	<p>Proceedings: Philippines Rattan Value Chain Workshop proceedings and Guidance Document on Facilitating a Value Chain Actors' Field Trip</p> <p>Proceedings: Tanzania Workshop proceedings: "Value Chain Cases in the Context of Conservation Marketing and Certification" training materials and cases covering 5 market chains</p>
3.9	<p>Training Manual on Developing Baselines for REDD Projects (forthcoming in FY10)</p>
3.10	<p>Workshop Resources and Materials included (but are not included in the annual report as many of these were not produced by TransLinks partners):</p> <ul style="list-style-type: none"> • CIFOR's publications on climate change, adaptation, mitigation, REDD and payments for environmental services (http://www.cifor.cgiar.org/Publications) • The Katoomba Group's Ecosystem Marketplace (www.ecosystemmarketplace.com) • USAID's SANREM <i>Best Practices for Pro-Poor Payment for Ecosystem Services</i> page (http://www.oired.vt.edu/sanremcrsp/PES.php)

	<ul style="list-style-type: none"> • “Facing an uncertain future: How forests and people can adapt to climate change” By Bruno Locatelli, Markku Kanninen, Maria Brockhaus, Carol J. Pierce Colfer, Daniel Murdiyarso, Heru Santoso (http://www.cifor.cgiar.org/publications/pdf_files/Books/BLocatelli0801.pdf) • “Moving ahead with REDD: Issues, options and implications” By Arild Angelsen (http://www.cifor.cgiar.org/publications/pdf_files/Books/BAngelsen0801.pdf) • “Payments for Ecosystem Services: Market Profiles” By Forest Trends and Partners (http://ecosystemmarketplace.com/documents/acrobat/PES_Matrix_Profiles_PROFOR.pdf) • “The State of Play: Payments for Ecosystem Services in East & Southern Africa” By Alice Ruhweza (http://ecosystemmarketplace.com/pages/article.opinion.php?component_id=5108&component_version_id=7498&language_id=12) • “Mainstreaming Payments for Ecosystem Services in the Developing World” By Sissel Waage (http://ecosystemmarketplace.com/pages/article.opinion.php?component_id=4258&component_version_id=6446&language_id=12) • “Introduction to Payments for Environmental Services” By Stefano Pagiola (http://www.oired.vt.edu/sanremcrsp/documents/PES.Sourcebook.Oct.2007/PolicySeminarPPTs/PagiolaIntroToPES.pps) • “Payments for Environmental Services: Design Issues” By John Kerr and Rohit Jindal (http://www.oired.vt.edu/sanremcrsp/documents/PES.Sourcebook.Oct.2007/PolicySeminarPPTs/Kerr-JindalDesignIssuesI.pps#257,1, Payments for Environmental Services: Design Issues John Kerr and Rohit Jindal Michigan State University) • “Do Trees Grow on Money? The implications of deforestation research for policies to promote REDD” By Markku Kanninen, Daniel Murdiyarso, Frances Seymour, Arild Angelsen, Sven Wunder and Laura German (http://www.cifor.cgiar.org/publications/pdf_files/Books/BKanninen0701.pdf) • “Infobrief 14: Do Trees Grow on Money? The implications of deforestation research for policies to promote REDD” By Markku Kanninen, Daniel Murdiyarso, Frances Seymour, Arild Angelsen, Sven Wunder and Laura German (http://www.cifor.cgiar.org/publications/pdf_files/Infobrief/014-infobrief.pdf) • “Infobrief 15: What is the right scale for REDD? The implications of national, subnational and nested approaches” By Arild Angelsen, Charlotte Streck, Leo Peskett, Jessica Brown and Cecilia Luttrell (http://www.cifor.cgiar.org/publications/pdf_files/Infobrief/015-infobrief.pdf) • “Infobrief 16: Measuring and monitoring forest degradation for REDD: Implications of country circumstances” By Daniel Murdiyarso, Margaret Skutsch, Manuel Guariguata, Markku Kanninen Cecilia Luttrell, Pita Verweij and Osvaldo Stella (http://www.cifor.cgiar.org/publications/pdf_files/Infobrief/016-infobrief.pdf) • “Infobrief 17: Financing REDD: Linking country needs and financing sources” By Michael Dutschke and Sheila Wertz-Kanounnikoff with Leo Peskett, Cecilia Luttrell, Charlotte Streck and Jessica Brown (http://www.cifor.cgiar.org/publications/pdf_files/Infobrief/017-infobrief.pdf) • “Infobrief 18: The role of REDD in stabilising greenhouse gas concentrations: Lessons from economic models” By Ruben N. Lubowski (http://www.cifor.cgiar.org/publications/pdf_files/Infobrief/018-infobrief.pdf)
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	<ul style="list-style-type: none"> • “Infobrief 19: Adaptation at the interface of forest ecosystem goods and services and livestock production systems in Northern Mali” By Maria Brockhaus and Houria Djoudi (http://www.cifor.cgiar.org/publications/pdf_files/Infobrief/019-infobrief.pdf) • “Working Paper No. 39: Monitoring forest emissions: A review of methods” By Sheila Wertz-Kanounnikoff (http://www.cifor.cgiar.org/publications/pdf_files/WPapers/WP40Wertz-Kanounnikoff.pdf) • “Working Paper No. 40: Reducing forest emissions in the Amazon Basin: A review of drivers of land-use change and how payments for environmental services (PES) schemes can affect them” By Sheila Wertz-Kanounnikoff, Metta Kongphan-Apirak and Sven Wunder (http://www.cifor.cgiar.org/publications/pdf_files/WPapers/WP40Wertz-Kanounnikoff.pdf) • “Working Paper No. 41: Reducing forest emissions in Southeast Asia: A review of drivers of land-use change and how payments for environmental services (PES) schemes can affect them” By Sheila Wertz-Kanounnikoff and Metta Kongphan-Apirak (http://www.cifor.cgiar.org/publications/pdf_files/WPapers/WP41Wertz-Kanounnikoff.pdf) • “Working Paper No. 42: Estimating the costs of reducing forest emissions: A review of methods” By Sheila Wertz-Kanounnikoff (http://www.cifor.cgiar.org/publications/pdf_files/WPapers/WP42Wertz-Kanounnikoff.pdf) • “Payments for Ecosystem Services: Getting Started-A Primer” (2008) http://www.katoombagroup.org/documents/publications/GettingStarted.pdf • “Negotiating for Nature’s Services: A Primer for Seller’s of Ecosystem Services on Identifying and Approaching Prospective Private Sector Buyers” (2007) (http://www.katoombagroup.org/documents/publications/NegotiatingforNature.pdf) • “USAID PES Sourcebook” (2007) http://www.oired.vt.edu/sanremcrsp/menu_research/PES.Sourcebook.Contents.php
3.11	This did not happen as planned.
4.1	<p>Presentation: Key Characteristics of Payment for Ecosystem Service Markets that Work for the Poor and for Conservation. Dr. Jane Carter Ingram and Dr. David Wilkie. This was presented at the International Human Dimensions Program Conference, Bonn, Germany, April 2009.</p> <p>Presentation: Payment for Ecosystem Services in Coastal and Marine Environments: Lessons from Land to Sea. Dr. Caleb McClennen, Dr. Jane Carter Ingram, Dr. David Wilkie. This was presented at the International Marine Conservation Congress, Washington, DC, May 2009.</p> <p>Special Session of Conference: The Role of Ecology in Poverty Reduction, Special Organized Session at the Ecological Society of America Meeting, Albuquerque, New Mexico. The session was organized by Fabrice DeClerck of CATIE, Jane Carter Ingram of WCS/TransLinks, Cristina Rumbaitis del Rio of the Rockefeller Foundation with presentations from Sean Smuckler of the Earth Institute and Sandra Baptista of the Earth Institute, as well as presentations from representatives Yale University, the School for Field Studies, and presentations by the organizers.</p>

4.2	Workshop being planned to be held in FY10.
4.3	Reprints made of all case studies printed in FY08 due to high demand for copies.
4.4	REDD primer was translated into French, Portuguese and Spanish.
6.1	Report: Payments for Water Services in the Mbe Watershed , Gabon case study Report: Payments for Water Services, Project Development Checklist (included at the end of the case study) Report: Payments for Ecosystem Services in Gabon- what are the options? (in progress)
6.2	Report: Analysis of Existing PES Contracts in Vietnam: Structures and Benefits (benefits sharing workprogram) (in progress) Report: Vietnamese translation of Getting Started: An Introductory Primer for Assessing and Developing Payments for Ecosystem Services Report (draft): REDD and Benefits Distribution Learning from Social Funds (in progress)
6.3	Presentations: Conference presentations and materials on PWS potential in Brazil, presented at the Katoomba XIV Brazil meeting
6.4	Report: Reports and synthesis on legal and institutional PES water assessments in Brazil, Bolivia, Colombia and Peru (in progress)
6.5	Report: Reports and summary on legal and institutional PES carbon assessments in Brazil and Colombia (in progress)
6.6	Report: State of the Water Market Report (in progress)
7.1	Report: Forests: Taking Root in the Voluntary Carbon Markets Report Report: State of the Forest Carbon Report (in progress)
7.2	Report: Synthesis report (in progress)
8.1	Presentations and Course Curriculum: Conference presentations and materials on PES presented at the MAP Brazil meeting
8.2	Publication providing context and background for West Africa Katoomba XV Meeting, October 6-10 2009: EM Market Insights. "Carbon and Land-Use: The Economies of Cocoa, Timber and Agriculture". The Katoomba Group's Ecosystem Marketplace. Katoomba XV October 2009 briefing notes: <ul style="list-style-type: none"> • "Realising REDD: Implications of Ghana's Current Legal Framework for Trees" • "REDD Opportunities Scoping Exercise (ROSE) for Ghana - Identifying Priorities for REDD Activities on the Ground. Preliminary Review of Legal and Institutional Constraints" • "Sweetening the Deal for Shade-Grown Cocoa: A Preliminary Review of Constraints and Feasibility of Cocoa Carbon in Ghana."

	<ul style="list-style-type: none"> • A short overview report of Katoomba XV Meeting
8.3	<ul style="list-style-type: none"> • Conference agenda and materials
8.4	<ul style="list-style-type: none"> • Preparation for SE Asia Katoomba meeting: Participation & 2 presentations in ARBCP BKK workshop • Preparation for SE Asia Katoomba Meeting Travel of 4 VN participants to Ghana Katoomba for initial advisory meeting • Planning: Series of EM articles on SE Asia PES (in preparation for SEA Katoomba meeting)