

## Sustainable Sloping Lands and Watershed Management: Linking research to strengthen upland policies and practices

12-15 December 2006

To be held at the Provincial Meeting Hall  
Luang Prabang, Lao PDR

Organized by



In collaboration with



Final Draft Program – November 28, 2006

### Monday, December 11, 2006

12:00 – 16:00	Preparation for Information Market and Posters (those wishing to display or present information at the market should prepare display at this time)
12:00 – 18:00	Pre-registration

### Tuesday, December 12, 2006

Time	Session & Presentation
7:45 – 8:30	<b>Registration</b>
8:30 – 9:00	<b>Welcome Ceremony</b>
	<b>Welcome Address by Provincial Government of Luang Prabang</b>
	<b>Opening address by Ministry of Agriculture and forestry</b>
9:00 – 9:10	<b>Introduction to conference purpose, objectives and expected outcomes</b> Dr. Bounthong Bouahom, Director General, NAFRI
9:10 – 10:30	<b>Session 1: Overview of policies, practices and key issues in sustainable sloping land and watershed management</b>
9:10 – 9:50	<b>1. Impact of innovative land management practices on annual runoff and soil losses from 27 catchments of South-East Asia</b> Christian Valentin, IRD/IWMI
9:50 – 10:30	<b>2. Where central policies meet local initiatives: Exploring sub-basin-level participatory watershed management in northern Thailand</b> David Thomas, ICRAF
10:30 – 11:30	<b>Opening of Information Market and Coffee Break</b>
11:30 – 12:20	<b>3. Shifting Cultivation in the Eastern Himalayas: Farmers Innovations as Lessons for Policy</b> Elisabeth Kerkhoff, ICIMOD
12:20 – 1:30	<b>Lunch</b>
1:30 – 3:00	<b>Session 2: Innovations and lessons in Sustainable Sloping land and Watershed management</b>
1:30 – 2:00	<b>4. Enhancing Water Quality through the Better Land Management of Degraded Highland Regions in Northern Lao PDR</b> Oloth Sengtaheunghoung, NAFRI/SSLCC

Time	Session & Presentation
2:00 – 2:30	<b>5. A Systemic Approach Based on Direct-seeding, Mulch-Based Cropping Systems to Promote Sustainable Agriculture</b> Khamkeo Panyasiri, NAFRI, CIRAD, PRONAE
2:30 – 3:00	<b>6. Improving information access for innovation of the Jhum farming system in the Chittagong Hill Tracts of Bangladesh</b> Stephan Mantel, ISRIC Netherlands
3:00 – 3:30	<b>Coffee Break</b>
3:30 – 4:00	<b>7. Environmental impact of a hydropower dam in Fincha'a watershed, Ethiopia: Land use changes, erosion problems, and soil and water conservation adoption</b> Bezuayehu Tefera and Geert Sterk, Erosion and Soil & Water Conservation Group, Wageningen University
4:00 – 4:30	<b>8. Payment for Watershed Services in China: Role of Government and Market, A Diagnostic Study</b> Li Xiaoyun, Jin Leshan and Zuo Ting, College of Humanities and Development, China Agricultural University
4:30 – 5:30	<b>Poster session and information market</b>
6:30 -	<b>Welcome Dinner</b>

### Day 2: Wednesday, December 13, 2006

This day will be split into 2 parallel sessions

- A. Research and technical options to improve watershed management** to be held at the provincial meeting hall
- B. Watershed management policy, processes and practices** to be held at the provincial finance meeting hall

Presentations will be for 30 minutes (20 minutes presentation and 10 minutes discussion) See pages 4-6 for schedule of presentations.

Time	Session	Session
	<b>Parallel Session A: Research and technical options to improve watershed management</b>	<b>Parallel Session B: Watershed management: policy, processes and practices</b>
8:30 – 10:00	<b>Session 1: Research and monitoring of Land use change</b>	<b>Session 2: Watershed Management tools and processes</b>
10:00 – 10:30	<b>Coffee Break</b>	
10:30 – 12:00	<b>Session 3: Research and monitoring of Land use change (Continued)</b>	<b>Session 4: Payment for Environmental Services</b>
12:00 – 1:30	<b>Lunch</b>	
1:30 – 3:00	<b>Session 5: Using spatial analysis to better understand land use changes</b>	<b>Session 6: Experiences in Community based natural resource management</b>
3:00 – 3:30	<b>Coffee Break</b>	
3:30 – 5:00	<b>Session 7: Spatial analysis and land use changes (Continued)</b>	<b>Session 8: Incentives and institutional support to enhance upland livelihoods</b>

### Day 3: Thursday, December 14, 2006

Field trips will be offered to a number of locations dealing with social, technical and institutional issues related to sustainable sloping land and watershed management

**Day 4: Friday December 15, 2006**

<b>Time</b>	<b>Session</b>	<b>Session</b>
	<b>Parallel Session A: Research and technical options to improve watershed management</b>	<b>Parallel Session B: Watershed management: policy, processes and practices</b>
8:30 – 10:00	<b>Session 9: Technical options for improving upland farming systems</b>	<b>Session 10: Social and economic considerations for SSLWM</b>
10:00 – 10:30	<b>Coffee Break</b>	
10:30 – 12:00	<b>Session 11: Technical options for improving upland farming systems (Continued)</b>	<b>Session 12: Social and economic considerations for SSLWM (Continued)</b>
12:00 – 1:30	<b>Lunch</b>	
1:30 – 2:45	<b>Summary and discussion of key issues and considerations</b> <ul style="list-style-type: none"><li>▪ Reflections from 3 participants on key issues and experiences raised during the conference</li><li>▪ Participant discussion</li></ul>	
2:45 – 3:15	<b>Coffee break</b>	
3:15 – 4:00	<b>Closing Ceremony</b> <ul style="list-style-type: none"><li>▪ Recommendations and summary</li><li>▪ Closing ceremony</li></ul>	

<b>Parallel Session A: Research and technical options to improve watershed management</b>		<b>Parallel Session B: Watershed planning and management: processes, policies and practices</b>	
<b>Session 1: Research and monitoring of Land use change</b>		<b>Session 2: Watershed Management tools and processes</b>	
8:30 - 9:00	<b>1. Hillslope sediment trapping of natural or cultivated riparian vegetation of Northern Laos</b> O. Vigiak, O. Ribolzi, N. van Breusegem, I. Duang Vong, C. Valentin, IRD/IWMI	8:30 - 9:00	<b>1. Natural Resources and Governance – An Analytical Framework</b> Christoph Feldkötter, MRC/GTZ
9:00 - 9:30	<b>2. Impact of land-use change on earthworm diversity and activity: consequence for soil erosion</b>  Pascal Jouquet, Nicolas Bottinelli, Didier Orange, Pascal Podwojewski, Tran Duc Toan, IRD, NISF/Vietnam	9:30 - 10:00	<b>2. Multiple stakeholders' perceptions of upper watershed management : Agrarian &amp; institutional analyses in two Mien villages of Northern Thailand.</b>  Barnaud Cécile, Dumrongrojwatthana Pongchai, Marie Jérôme and Guy Trébuil, Paris X University and Chulalongkorn University
9:30 - 10:00	<b>3. Challenges for sustainable litchi production systems in northern Thailand: an ecological perspective</b>  Dirk Euler, Konrad Martin and Joachim Sauerborn, University of Hohenheim	10:00 - 10:30	<b>3. Learning devices and mediation tools for collective management of natural resources: experiences from northern Vietnam uplands</b>  Jean-Christophe Castella, IRD
10:00 - 10:30	<b>Coffee Break</b>	10:00 - 10:30	<b>Coffee Break</b>
<b>Session 3: Research and monitoring of Land use change (Continued)</b>		<b>Session 4: Payment for Environmental Services</b>	
10:30 - 11:00	<b>4. How erosion of upland fields contributes to the dispersal of weed seeds</b>  Anneke De Rouw, et al, IWMI, IRD, NAFRI	10:30 - 11:00	<b>4. The Impact of Development Disparities on Natural Resources in the Lower Mekong Basin: Understanding Environmental Services in a Meso-scale Perspective</b> Peter Messerli and A. Heinemann, Swiss National Centre of Competence (NCCR) North-South
11:00 - 11:30	<b>5. Impact of upstream soil nutrient losses on soil fertility in paddy fields</b>  Nguyen Van Dung and Tran Duc Vien, CARES/Hanoi Agriculture University, Vietnam	11:00 - 11:30	<b>5. Payment for Environmental Services: An Approach to Sustainable Watershed Management</b>  Xing Lu, Hetong Li, Regional Development Research Center, Yunnan University
11:30 -12:00	<b>6. National Land Management Authority (NLMA) of Laos: Policy and Research Needs</b>  Ms. Soulivanh Bouakham, Prime Minister's Office	11:30 -12:00	<b>6. Criteria and indicators for ecosystem service reward and compensation mechanisms: realistic, voluntary, conditional and pro-poor</b>  Meine van Noordwijk and Minh-Ha Fagerstrom, ICRAF
12:00 - 1:30	<b>Lunch</b>	12:00 - 1:30	

<b>Parallel Session A: Research and technical options to improve watershed management</b>		<b>Parallel Session B: Watershed planning and management: processes, policies and practices</b>	
<b>Session 5: Spatial analysis and land use change</b>		<b>Session 6: Experiences in Community based natural resource management</b>	
1:30 - 2:00	<b>7. Capability of satellite imagery for land use analysis</b> Dr. Rod Lefroy, CIAT	1:30 - 2:00	<b>7. Economic Growth and Watershed Management: Drivers of Research and Development Innovations</b> DC Catacutan, CE Duque, R Margate, and LJ Arbes, ICRAF Philippines
2:00 - 2:30	<b>8. Agrarian land use transformation in Northern Laos</b> Dr. Sithong Thongmanivong, Khamla Phanvilay and Dr. Yayoi Fujita, National University, Faculty of Forestry	2:00 - 2:30	<b>8. Problems and prospects of the hilly watersheds in Bangladesh, Priorities for their conservation</b> Dr. Khaled Misbahuzzaman, Institute of Forestry and Environmental Sciences, Chittagong University
2:30 - 3:00	<b>9. Estimation of erosion and erodibility of soil in a slash-and-burn cultivation area of northern Laos</b> Junichi KASHIWAGI, Takashi KOTERA, Koji WATABE, Hokkaido University, Japan	2:30 - 3:00	<b>9. People and Resource Dynamic Project (PARDYP) – participatory options for sustainable sloping land management promoted in 5 watersheds in the Himalayas</b> Isabelle Providoli, Sanjeev Bhuchar, Roger White, Keshar Man Sthapit, ICIMOD
3:00 - 3:30	<b>Coffee Break</b>	3:00 - 3:30	
<b>Session 7: Using spatial analysis to better understand land use changes</b>		<b>Session 8: Incentives and institutional support to enhance upland livelihoods</b>	
3:30 - 4:00	<b>10. Applying GIS-assisted modeling to predict soil erosion for a small agricultural watershed within sloping lands in Northern Vietnam</b> Do Duy Phai (NISF, Vietnam), Didier Orange (IRD)	3:30 - 4:00	<b>10. Improving management of natural resources in sloping land for sustainable agricultural production and poor's income in northern Vietnam</b> Nguyen Van Thang, S. Wani, Tran Dinh Long and Nguyen Thi Chinh, Legume Research and Development Center, Vietnam Academy of Agricultural Sciences (VAAS)
4:00 - 4:30	<b>11. How do farmers make decisions in a land degradation context?</b> Floriane Clement, IRD, IWMI, NISF	4:00 - 4:30	<b>11. Economic analysis of improved smallholder rubber agroforestry systems in West Kalimantan, Indonesia - implications for rubber development</b> Dr. Laxman Joshi, ICRAF, Indonesia
4:30 - 5:00	<b>12. Lessons and experiences from the Integrated Upland Agriculture Research Project in Luang Prabang, Laos</b> Mr. Phouthone Sophathilath, NAFRI	4:30 - 5:00	<b>12. Incentives in Enhancing Sustainable Land Management</b> S. Chandrapatya, IWMI

<i>Parallel Session A: Research and technical options to improve watershed management</i>		<i>Parallel Session B: Watershed planning and management processes, policies and practices</i>	
<b>Session 9: Technical options for improving upland farming systems</b>		<b>Session 10: Social and economic considerations for sustainable sloping land and watershed management</b>	
8:30 - 9:00	<b>13. Root Crops for People and Pigs: Food security and income generation aimed at supporting transition from upland rice cropping in northern Laos</b> Keith Fahrney, et al. CIAT	8:30 - 9:00	<b>13. Palong and Black Lahu Local Ecological Knowledge about the Sustainability of Forest Watershed Management and Agroforestry Ecosystems</b> Chalathon Choocharoen, Pornchai Preechapanya and Andreas Neef, The Uplands Program, Chiang Mai University
9:00 - 9:30	<b>14. Sustainable agricultural productivity through farm pond option in the integrated watershed management of Northeast Thailand</b> Thawilkal Wangkahart, Bonyong Toomsan, ICRISAT, Faculty of Agriculture, Khon Kaen University	9:30 - 10:00	<b>14. Women role in use and management of Rangeland resources in Semi arid-mountains of Pakistan A Case Study of Karak District</b> Iffat Tabbassum, Department of Geography, University of Peshwar, Pakistan
9:30 - 10:00	<b>15. Germplasm-Collection of Local Vegetable Varieties – Treasure for Income Generation and Food Diversification in the Northern Uplands of Lao PDR</b> Mathias Plewa and K. Keovichit, NAFRI/HRC	10:00 - 10:30	<b>15. Farming Systems Options for Poverty Alleviation in Northern Lao Sloping Lands: How Pro-Poor Are They?</b> Blesilda Calub, University of Philippines Los Banos
10:00 - 10:30	<b>Coffee Break</b>	10:00 - 10:30	<b>Coffee Break</b>
<b>Session 11: Technical options for improving upland farming systems (Continued)</b>		<b>Session 12: Social and economic considerations for sustainable sloping land and watershed management</b>	
10:30 - 11:00	<b>16. Local knowledge and land degradation: a participatory case study in the uplands of Laos</b> Lestrelin, G., Pelletreau, A., Moizo, B., Valentin, C., IRD	10:30 - 11:00	<b>16. Experiences from the Small-scale Agroenterprise Development for the Uplands Project in Laos</b> John Connell and Ounkeo Phattammavong, CIAT
11:00 - 11:30	<b>17. How can research and development help shifting cultivators to improve their farming system? Experiences of LI-BIRD in Participatory Technology Development</b> K. P. Aryal and B. R. Regmi, Swedish Biodiversity Centre (CBM), ICIMOD, Nepal	11:00 - 11:30	<b>17. Watershed Conflict: Competition over Natural Resources in Northern Thailand</b>  Nathan Badenoch and Apai Wanitpradit, M-POWER, SEA-USER
11:30 - 12:00	<b>18. Farm forestry and buffer zone enhancement in montane southwest China: A Way to Enhance Rural Economies and the Environment</b> Horst Weyerhaeuser, ICRAF	11:30 - 12:00	<b>18. Land degradation in the sloping uplands: economic drivers and strategies for promoting sustainable land use</b>  Sushil Pandey, IRRI
12:00 - 1:30	<b>Lunch</b>	12:00 - 1:30	