

Himalayan-Andean Watershed Project: Report on the LIMA Workshop

From: Hans Schreier, UBC

Location: Lima Peru: August 22-27, 2001

This is a brief update on the progress that has been made in the Himalayan-Andean Watershed Project.

A workshop was held in Lima, Peru, with representatives from all eight participating teams from the two mountain regions.

The workshop was divided into 3 segments:

1. A two day conference on Challenges in Watershed Management
2. A two day workshop on finalizing all Materials for the Himalayan-Andean Comparison
3. A 2 ½ day fieldtrip to Huancayo and San Ramon for the Asian Participants

The purpose of the conference was twofold:

- a) To learn about watershed research that is taking place in the Andean mountains by researchers not associated with the Himalayan-Andean project, and
- b) To present the results of the Himalayan-Andean project using the Multi-media CD-ROM as a presentation tool.

The conference was attended by 40 people (see participation list in Appendix) and included 8 presentations from researchers in Bolivia, Peru, and Ecuador (see attached program in Appendix)

This was followed by a 45-Min. presentation by each of the eight teams collaborating in the Himalayan-Andean watershed project (Bolivia, Peru 2x, Ecuador, Nepal 2x, Bhutan, and China). Over the past 6 months each team created a multi-media CD-ROM of their watershed. The results of all the research were incorporated into an integrated framework that addresses the key resource management issues in each watershed. This was the first time for each team to present the results of their work in a public forum. In the final session of the conference future directions of building a watershed network were discussed.

The aim of the two-day workshop that followed the conference was fourfold:

- a) Critique and review each of the 8 CD-ROMs, b) agree on the 70 common indicators that are to be used for the comparison between the watersheds, c) design the framework to integrate and compare the 8 watersheds, and d) to identify at least 3 success stories and 3 failures that are to be featured in the comparative CD-ROM.

- a) Critique and review each of the 8 CD-ROMs

Six hours were devoted to critique the content in each CD-ROM and to suggest changes and additions to be made by October 4, 2001. It was agreed that all material would be sent to UBC for final editing and duplication. The content of 6 of the 8 CD-ROMs is complete and only minor modifications are needed. The material in two CD-ROMs (China and Bolivia) needs some major additions and the participants agreed to complete the task by the October deadline. It was also agreed that the four Andean CD-ROMs would be translated into English but that there is no need at this time to translate the Himalayan CDs into Spanish.

- b) Agreement was reached on the 70 common indicators that are to be used for the comparison between the watersheds: Six hours were devoted to streamlining the

indicators. The methods of measuring and calculating each indicator were spelled out and each team agreed to follow the same approach so as to facilitate the comparison. The final list of indicators with the actual numbers for each of the eight watersheds will be posted on the Internet by September 15th.

c) Design of a framework that is to be used to compare the eight watersheds.

A framework was identified that will be used to conduct the comparison between the eight watersheds. It will consist of a regional comparison within and between mountain systems, and will include the identification of unique and common issues and differences. Unique issues were identified for each watershed and a list of common issues was developed in group discussions. The UBC team will design the comparative CD-ROM between October and December and all teams will then have one month to review the CD-ROM, make modification and suggest improvements before the final version is produced.

d) Identification of at least 3 success stories and 3 failures in each watershed project. It was agreed that each team would prepare three success stories and three failures that illustrate how the research results impacted on development. This will then form a basis for learning from each other and determining what is applicable and transferable from one watershed to another.

Fieldtrip of the Asian teams:

With the help of the CIP partners a 2 ½ day fieldtrip was organized to show the Nepali, Bhutanese, and Chinese members a cross-section of the Andean Mountains. It included a visit to the CIP potato research station in Huancayo, a visit to the high Andean pastures, and a visit to San Ramon, the sweet potato station of CIP in the Amazon region. The cross section covered the dry desert in the lower part on the western side of the Andes, the most important agricultural area in the Middle part of the Andes, the intensive dryland farming systems in the 3500-4000 m elevation zone, the highland pastoral system, and the fruit growing area on the Amazon side of the Andes. Four agricultural markets were visited in all four ecosystems to give the visitors a good overview of the variety of food products and diversity of crops produced in the region.

During the first four days at Lima, the Asian participants were also given a tour of the CIP facilities and several individual visits were arranged with the potato blight experts and the biodiversity scientists.

Accomplishments and timetable:

Drafts of all 8 CD-ROMs were provided to each team to take home. The workshop was very well received. Dennis Gerrity, the new Director General of ICRAF, representatives of ILRI, and a range of representatives from CIP, local and regional organizations attended the conference and gave us positive feedback. The following deadlines were set to complete the project:

1. August 30th: all eight WEBSITES are completed and accessible at: www.ire.ubc.ca/y2k/
2. October 4th : Completions of the final version of all 8 CD-ROMs (incl. English versions)
3. Oct. 4- Nov. 15th: Final editing and commercial reproduction of the CD-ROMs at UBC
4. November 15th : Distribution of final version of all 8 CD-ROMs to IDRC and beyond
5. November 30th : Completion of the first draft of the comparative CD-ROM by UBC and distribution to partners for review
6. January 2nd : Completion of review process, revision, and production of final version

7. January 30th : Approximate date of distribution of the comparative CD-ROM and completion of project.

CIAT Workshop on Integrated Management for sustainable Agriculture, Forestry, and Fisheries in Cali, Columbia.

Upon completion of the Lima workshop Hans Schreier, Roberto Quiroz (CIP) and Susan Poats (Manrecur project) attended the 4-day workshop on Integrated Natural Resources Management in Cali. Each presented a brief summary of the work in an Open Market session that was organized to explore the possibility of developing a global watershed network using the Internet and bulletin board method as communication tool. The idea behind this is to explore the proposal of sharing experiences and knowledge gained by the Himalayan-Andean watershed project with a larger audience and to develop a network for watershed information sharing. Some 20 people attended the session but the response was mixed on the merit of such an initiative. Several individuals were interested in joining a network and we will explore the viability of this type of an initiative upon completion of the Himalayan-Andean Watershed Project.

Financial Concerns:

In our budget for the Himalayan-Andean Watershed Project we allocated Can \$ 2500. - For the airfare for 3 Asian participants to the Andean Region. Unfortunately, for several unforeseen reasons the cost of each ticket was significantly higher (Can \$ 3500- for Nepal, \$ 4200. - for China, and \$ 5000. - for Bhutan). The reasons for this over-expenditure are as follows:

The Bhutanese and Chinese partners informed us that they had difficulty getting tickets organized from their place of origin. They also informed me that it might be difficult for them to get visas to pass through the USA to reach their final destination of Lima, Peru. My travel agent in Vancouver initially informed me that she could get reasonably priced tickets with KLM through Amsterdam. However, 4 weeks before departure I was informed that it is no longer possible to purchase tickets in Canada for Asian departure at discount rates. We then tried to book air tickets through a Cambodian and Thai travel agency only to find out that all flights were fully booked and cheap fares were no longer available for the dates of the workshop.

Hence, we overspent our travel budget by more than \$ 5000. -. In addition, some of the workshop costs were also higher than anticipated. Both CIP and myself have been subsidizing this project because we feel it is an innovative and very worthwhile project. However, at this stage I am in significant difficulty to come up with extra funds to cover this extra expenditure and these funds were earmarked for the commercial reproduction of the CD-ROMs (200 copies each). We are confident that we can deliver an excellent product which will be useful to many people but are in need of an extra \$ 7000 in order to complete the project in a satisfactory manner. I thus would like to explore the possibility of obtaining these extra funds for the reproduction of the CD-ROMs. We have been quite frugal and cost conscious in all of our teaching and workshop sessions but these over-expenditures were somewhat beyond our control.

Your considerations in this matter would be much appreciated.

Sincerely yours,

Hans Schreier
August 31, 2001

Appendix 1: Program for Lima Workshop “ Challenges in Integrated Mountain Watershed Management” and Himalayan- Andean Watershed Project

Tuesday August 21, 2001

- 8-8:30 Welcome and opening remarks, H. Zandstra, (DG, CIP)
8:30-9:00 The Global Mountain Program, R. Quiroz, (CIP)
9:00-9:45 Water management at the river basin level;
Challenges in Latin America, A. Dourojeanni (CEPAL)
9:45-10:15 Coffee
10:15-11:00 Hydrological and land use studies in the Amazonian Andes
The AARAM Project, Carlos Llerena (UNALM)
11:00-11:45 Watershed and land use management, a divorce, D. Harve
(France) and R. Hijmans (CIP)
11:45-12:30 Dairy production in cultivated pastures, Mantaro watershed
C. Gomez (UNALM)
12:30-14:00 Lunch
14:00-14:45 Statistical analysis, spatial modelling and simulation in tropical mountain
catchments in Ecuador, V. Vanacker (K.U, Leuven)
14:45-15:30 Participatory Upland Conservation and Development, The Bolivian
experience, J. Escobedo (FAO)
15:30-16:00 Coffee
16:00-16:45 Managing the poverty-protection interface in Mountain Ecosystems
D. Garrity et al. (ICRAF)
16:45-17:30 Overview of Himalayan-Andean Watershed Project
H. Schreier (UBC) and R. Quiroz (CIP)
17:30-18:15 Carchi-Rio El Angel Watershed - Ecuador,
S. Poats, P. Arellano, M. Mena (MANRECUR)

Wednesday, August 22, 2001

- 8:15-9:00 Ilave-Huenque Watershed – Peru. R. Valdivia (CIRNMA) P. Zorogastua,
C. Barreda, R. Quiroz, C. Leon-Velarde, M. Cruz, A. Garcia (CIP)
9:00-9:45 La Encanada Watershed Peru, G. Baigorria, M. Olivares (CIP),
C. Romero (UNALM)
9:45-10:15 Coffee
10:15-11:00 Rio Deaquadero Watershed, Bolivia, E. Murillo, C. Ibarra, P. Zorogastua
R. Quiroz, A. Garcia (CIP)
11:00-11:45 Lingmutey Chhu Watershed, Bhutan S. Duba, and G. Chettri (RNRRRC)
11:45-12:30 Xi Zhuang Watershed, China, J. Wang and J. Xu (Kunming IB)
12:30-14:00 Lunch
14:00-14:45 The Jhikhu Khola watershed, Nepal, P.B. Shah (ICIMOD), S. Brown, and
H. Schreier (UBC)
14:45-15:30 The Yarsha Khola Watershed, Nepal, S. Brown (UBC) and P.B. Shah
(ICIMOD)
15:30-16:00 Coffee
16:00-16:45 Summary of Watershed Comparison and future directions, H. Schreier,
S. Brown (UBC), R. Quiroz (CIP)
16:45-18:00 Open Discussion on presentations and on building a global watershed
network. Closing remarks by H. Li Pun (CIP)
17:00 Workshop dinner

Thursday, August 23, 2001

- 8:15-12:00 Group Review of all CD-ROMs. Discussion on editing and modifications
Setting deadline for completion of CD-ROM – October 4th

14:00-18:00 Discussion on the selection of common indicators, methodology, and how to quantify all indicators for watershed comparisons

Friday, August 24, 2001

8:15-12:00 Building the framework for the comparative CD-ROM, Addressing technical issues, and identifying unique issues in each watershed, and common issues between all watersheds

14:00-18:00 Identifying success stories, and research failures to be highlighted in the CD-ROM. Selecting digital photographs for the comparison, and discussing possible titles. Setting deadline for submission of all material for comparative CD-ROM (Nov, 2001). Deadline for completion of Comparative CD-ROM January, 2001.

Saturday, August 25- Monday, August 27, 2001

7:30-12:00 Fieldtrip to CIP potato research stations in Huancayo, and San Ramon Sweet potato research Station, Amazon.

Departure of Asian and Canadian Participants Monday evening

Appendix 2. List of Conference participants:

Alegre, Julio	ICRAF	Peru
Arellano, Paul	MANRECU	Ecuador
Baigorria, Guillermo	CIP	Peru
Barreda, Carolina	CIP	Peru
Becarra, Carolina	CIP	Peru
Brown, Sandra	UBC	Canada
Chettri, Ganesh	RNRRC	Bhutan
Cruz, Mariana	CIP	Peru
Dourojeanni, Alex	CEPAL	Chile
Duba, Sangay	RNRRC	Bhutan
Duncan, Ken		
Escobedo, Javier	FAO	Bolivia
Gamarra, Jorge	UNALM	Peru
Garrity, Dennis	ICRAF	Kenya
Gomez, Carlos	UNALM	Peru
Guerrero, Pedro	INADE	Peru
Guevara, Ruben	ICRAF	Peru
Leon-Velarde, Carlos	CIP	Peru
Li-Pun, Hugo	CIP	Peru
Llerena, Carlos	UNALM	Peru
Murillo, Eric	CIP	Peru
Olivares, Miguel	CIP	Peru
Peden, Don	IDRC	Canada
Poats, Susan	MANRECUR	Ecuador
Proano, Mauricio	PARAMOS	Ecuador
Quiroz, Roberto	CIP	Peru
Robalina, Telmo	SNV	Ecuador
Romero, Consuelo	UNALM	Peru
Sanaguano, Fausto	FEPP	Ecuador
Schreier, Hans	UBC	Canada
Shah, Pravakar	ICIMOD	Nepal
Smith, James	ILRI	Ethiopia
Turin, Cecilia	UNALM	Peru
Valdivia, Roberto	CIRNMA	Peru

Van Elsen, Lieve
Vanaker, Veerle
Wang, Yuhua
Zorogastua, Percy

SNV
K.U. Leuven
Kunming IB
CIP

Belgium
Belgium
China
Peru