



## Trip Report: Nepal

**Dates:** January 10 through 17, 2015

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**Institution:** Virginia Tech

### Purpose:

- To attend and participate in the international Climate Change conference; build linkages and develop increased awareness of innovATE in the region; the International Conference On Climate Change Innovation And Resilience For Sustainable Livelihood, held 12-14 January 2015, Kathmandu, Nepal
- To meet with and build rapport USAID with a focus on developing ways which innovATE can work in Nepal
- To reconnect with partners; we have MOUs with the Agriculture Forestry University, ANSAB, DEVTEC, and the Institute of Forestry (IOF)
- To develop partnerships with ongoing USAID funded programs to fill their need for capacity building

**Sites Visited:** offices and training institutions in Kathmandu, and nearby towns

### Description of Activities/Trip Log:

#### Saturday 10 January 2015

Soon after arrival in Kathmandu I met with Sulav Poudal, the IPM Coordinator at IDE at the hotel. Sulav was an innovATE supported scholar during his master degree program at Penn State. He provided in-country coordination and co-authored the innovATE Nepal country study. We discussed the goals for my visit and the meetings set up thus far. We listed and prioritized my list of meetings, and developed a set of additional organizations that I should meet to meet while in Kathmandu. We continued throughout remainder of the day calling and confirming the first set of meetings.

Met with Mahendra Shrestha, Managing Director of DEVTEC, and agriculture sector consulting company. DEVTEC has hosted visiting Virginia Tech faculty and researchers, and is very interested in building an education center to host Virginia Tech education abroad programs in the north end of the Kathmandu valley. Virginia Tech has a MOU with DEVTEC.

#### Sunday 11 January 2015

Extended interview/conversation with Dr. Luke Colavito, Country Director for IDE; he briefed me on the current and soon to be started investments/project by USAID and other donors in the agriculture sector

Visited the Kathmandu Guest House a convenient place for people to come meet me.

Met with Tshampa Gurung, a doctor who manages a training program for Tibetan refugee children and his colleague. They were interested in gaining support for their program to train Tibetan youth in the conservation and cultivation of medicinal plants, and keeping these rural youth from migrating to urban areas. Worldwide we have had little contact with primary education programs such as this, and there seem to be lessons learned from his program for the innovATE program.

Conducted an extended afternoon meeting with Dr. Balram Bhatta; discussed the format teaching and learning workshop planned proposed for April at AFU.

Visited the offices of DEVTEC in Kathmandu - our partners on recent projects and proposals-to discuss current projects (they have a fisheries project funded by DFID that has a training component) and plans for innovATE programs in Nepal.

Attended a dinner and meeting for the session chairs and organizing committee for the International Conference On Climate Change Innovation And Resilience For Sustainable Livelihood, which will begin tomorrow. It was a good chance to make sure that all the session chairs were in agreement about the goals and format of the sessions.

#### Monday Jan 12, 2015

8:00 AM I had set up a meeting at with USAID with the food security staff. I invited Mr. Sulav Poudal of IDE and Dr. Balram Bhatta of AFU to join me for this meeting. Danielle met us at the door, and escorted us through security clearance.

We met with Danielle, Mengistu, Amy and Nevan (full names and contact information are included in Appendix 2)

Here are items that I proposed for the meeting agenda:

1. The innovATE Project in general; progress thus far; used our one page "supply-demand" handout. It was well liked and understood by the USAID staff!
2. Work thus far conducted by the innovATE Project related to Nepal. Shared a hardcopy of our desktop study on ATE in Nepal.

3. Discussed upcoming workshop proposed for April; share the current draft of the workshop concept. We stressed that this workshop should include representatives from other stakeholders (i.e., the private agricultural college, work force development programs, NGOs working in agriculture). This would broaden the linkages for the AFU and contribute to our building a strategy for USAID to assist the ATE capacity building in Nepal.
4. Other work that could be conducted in conjunction with the workshop, - add to the workshop a scoping session. Invite other stakeholder. Danielle liked the idea of a scoping, and said that she would try to find the funds to support the effort. I mentioned that we would work with the mission to develop a SOW that fits their needs.
5. Communication between the Mission here and the Mission in India regarding building the capacity of agriculture education in Nepal. The USAID Mission in India has contacted the Nepal mission and asked if they could help (with funding) a management consulting company called Sat Guru to do some work in developing agricultural education capacity in Nepal. We stressed that we could work with this group and that the consortium would benefit from this association. There is plenty of work for both groups. We have already invested much in the development of AFU (the Virginia Tech education abroad course that they hosted, our MOU with AFU signed in Year One, and the contact and activities through a previous project supported by USAID through HED).

#### Follow-up

- I offered to come meet with Danielle later in the week to answer questions and build a strategy for the next steps in capacity development - specifically to start the process to develop a statement of work for a scoping assessment.
- The mission told us to meet with Mercy Corps (and to tell Mercy Corps that USAID told us to meet them) to learn more about how we might work help them do training.
- Meeting with IDE to discuss Seed to Feed program and their piece of the Feed the future program (we have had numerous conversations with IDE since I arrived). We have a meeting scheduled for first thing on Friday morning.
- Meeting with AFU – scheduled for later in the day
- USAID will share with me more information on the details on the India Mission and its program to help AET in Nepal.

9:30 AM to 1:00 PM returned to the Conference on Climate Change

I had been invited to chair the session on gender and livelihoods (see the conference agenda attached as Appendix 1)– good attendance and high level of interest in the presentations was shown.

After the session, I met with several project leaders who were participating in the conference (Judy Oglethorpe, Chief of Party for the Haryo Ban (Green Forests) Project, and USAID personnel (see attached list of contacts made) who were attending the conference.

1 PM I went to Patan the next city for a meeting with the Vice Chancellor and Dr. Balram Bhatta at the Agriculture and Forestry University (AFU) liaison office. We discussed:

- We discussed the USAID India/Cornell University effort to help AET capacity that we heard about at USAID. The VC said that USAID India had invited him and the AFU registrar to India to discuss the options. He would report back to me once he learns more. The VC promised to help us in any way he could to understand the proposed program of this group.
- Activities under our MOU
- The VC appreciated the efforts for VT to include AFU in new programs such as innovATE.
- The VC assured me that the internal political squabbles about joining the two campuses and moving them out of the national university (TU) have passed. (However, I did learn that there is a case in court where AFU and TU had both admitted an incoming class to the Hetauda campus; the switchover to AFU has not been smooth but may have a few hitches. For instance, some TU facility at Rampur have moved off the central campus and are conducting classes at one of the satellite campuses.)
- AFU may have a problem with the coordination between projects (especially those funded by donors). This will be a good opportunity for innovATE to mentor AFU in the area of strategic planning and putting together a coordinated development effort. As partners with AFU we did not know about the proposed Cornell/USAID India AET program until we visited the USAID mission.

2:00 to 8:00 PM I returned to the conference and participated in the afternoon sessions – they lasted till 6:30 PM. A good networking session, and very nice poster display followed. This was a good opportunity to distribute handouts on innovATE!

### Tuesday 13 January 2015

The thirty opposition parties declared a “Bund” which meant all vehicle and motor cycle traffic was banned – hence no taxis! After quite a bit of time spent trying to arrange transportation, the best alternative was to walk the conference venue. It took about 1.5 hours. But it was stress free without the normal traffic. The embassy vehicle got to the venue in 15 minutes – normally a hour plus drive!

I made a valuable contact on the way to the conference. I happened to pass by the country office for Mercy Corps (company that implements USAID agricultural projects). With no traffic his meetings were cancelled and the country director had time to receive me. He invited me to join his staff and the manager for a very new project for lunch later this week. This turned out to be a valuable stop as I walked to the conference!

Upon my arrival, the meetings at the conference with government and non-government representatives were quite productive. I gave innovATE program sheets and our supply and

demand model (a one slide show describing innovATE to those in attendance who might need our services, or

I presented my invited paper on the gaps in training and education related to climate change. My talk was entitled “Building capacity to meet climate change and resilient livelihood challenges: education and training are the missing link”. It was well received with several questions after I had finished..

I also had been invited to participate in a five-member expert panel to address the issues related to the gaps in coping with climate change which came later in the day. The panel was entitled: “Incentives to Deliver Climate Smart Natural Resource Management: Identifying Missing Links” a blue ribbon panel focused on the next steps. Usually this type of panel is conducted near the end of the conference. The organizers have taken a different tack, perhaps to get discussion going about the gaps earlier in the conference.

This my second presentation focused on the missing link to education/training and that extension/outreach/engagement would be a good avenue to get technical training to local farmers and stakeholders, and for researchers such as most of the audience to get input into current and priority issues. My questions included are climate change and related topics adequately being incorporated into curriculums (at all levels)? How can researchers connect with stakeholders about the results of and potential applications of their research to critical stakeholders (farmers)? It seems that for the most part policy makers are discussing climate change, but there is little if any awareness of or connection to climate change.

Questions/Action points:

- How can innovATE help partners in Nepal and the region bridge some of the gaps in AET capacity development?
- Are we ready with adequate support for AET capacity development?
- We should continue this discussion on the AET Community of Practice
- Need to continue to meet other members of the USAID Mission staff

### Wednesday 14 January

9:00 AM Sulav accompanied me to a meeting with the Nepal coordinator the USAID Farmer to Farmer program at the WINROCK office. We proposed that they fund the expenses for Mike Rechlin to work on the workshop – and they agreed. Then I explained that his travel to and from Nepal is covered by Principia College, and I proposed splitting one advisor’s expenses between two people Mike and Dr. Joe Ritter, Dean at Principia College near St. Louis– they are getting two for the price of one. WINROCK during our meeting agreed and laid out to me what I needed to get from Joe and Mike. This is exciting news, and I sent the request to Mike and Joe later in the day.

I returned to the conference for the mid-day sessions. Many of the presentations continued to be very data-centric and full of charts and graphs. All did not present ways farmers might cope with climate change or field practitioners (extension agents) might develop skills in helping farmers and other stakeholders assess the impacts and prescribe ways to cope with these impacts. Only one talk mentioned the need for increased awareness of climate change and its impacts. My talk was the only one that presented the need to incorporate climate change impacts and the importance of incorporating how to cope with the impacts in curricula.

Observations:

- The Farmer to Farmer program in Nepal is seeking assistance in just two areas: developing ATE capacity and youth. Several advisors have worked at the AFU.
- Their website has additional positions advertised in Nepal (one in aquaculture) which innovATE may help fill.
- We discussed that they may be able to support the cost of consultants in one of our scoping assessments (especially since it would, fall into one of their two key focus areas AET capacity development and Youth).

3:00 PM meeting with CEAPRED director and his staff (see list of contacts made). This is the leading NGO implementing projects in the agricultural sector. The staff confirmed that the training at HICAST was above most of the training in the rest of the country. One staff member described her experience getting an internship (required of all students before they graduate) and how important it was to her later in her career.

5:00 meeting with Mr. Sarad Shrestha, ecotourism hotel owner and as a large farmer a stakeholder in AET capacity development. Sarad has hosted visiting Virginia Tech faculty, graduate student researchers, and education abroad programs in Nepal. He suggested that the ecotourism industry market was suffering after the war and the downturn in the economy, but would benefit from more and better training for staff.

Thursday January 15, 2015

Meeting with ANSAB Director, Dr. Bishma Subedi, and his associate Kalyan to discuss collaboration. Virginia Tech has an MOU with ANSAB, and has coordinated Virginia Tech's workshops with the AFU and conducted activities for us under the SANREM project. I took Sulav with me as it was his first visit to ANSAB and they will be our partners in Nepal.

Next I had a meeting over lunch with Mercy Corp leadership for Nepal and the region to discuss the new \$40 million program that they are co-leading with IDE. Met also with Dr. Luke Colavito of IDE to discuss collaborating on a scoping assessment later this year.

I worked for much of the afternoon with Dr. Balram Bhatta on the concept, budget and invitation list for our proposed workshop to be held in April. We are seeking partial support from USAID projects and through WINROCK.

I had dinner at the invitation of the Mercy Corp regional and project management teams, and all their sub-contractors including Plan International. Their newest project (shared with IDE) has little capacity development programming.

#### Friday January 16, 2015

Met with Dr. Bhatta of AFU; revised the workshop proposal, developed the draft statement of work for the resource persons, and submitted a proposal to WINROCK for partial support for the workshop through the Farmer to Farmer Program. Finalized a proposed budget, and developed a list of proposed participants. Encouraged Dr. Bhatta to include participants from other universities and training entities so to build linkages for the AFU.

I met with Tshampa Gurung again with to discuss proposal for an education center to be located near Johmsom in the north central part of the country.

Meet with Dr. Luke Colavito, Country Director for IDE to discuss plans for conducting a scoping assessment in the Spring to determine training needs and strategies for the community based facilitator (CBFs). His project will help support the team; need his input as to objectives and timing; we are considering April 2015.

Met with Sulav to discuss logistics and objectives for remaining meeting with the Principal at the HICAST campus tomorrow.

I made a site visit with Mahendra Shrestha, Managing Director of DEVTEC to a commercial nursery in the rural area in the north edge of Kathmandu. We discussed DEVTEC's plans to establish a training center on the site.

#### Saturday January 17, 2015

In the morning, I set up an appointment and Sulav accompanied me to meet with administrators at the campus of the Himalaya College of Agriculture Science and Technology (HICAST) near Kathmandu. This is the first (and only) private agriculture college in Nepal. HICAST gets no funding from the government and is supported solely by student tuition and fees. We discussed current InnovATE programs and the history of HICAST(a short 14 years!).

Interested in starting outreach centers that sound like they will function much like the ones we envision in our work in Armenia. HICAST has started to look at some potential sites. They would welcome help in planning and establishing these centers. They have a demonstration farm in Lalitpur District, just outside the city. HICAST sees the need to get their students and faculty engaged with real life problems, and to have permanent sites to do research and serve as experiential teaching nodes. These outreach and research centers will bring real life problems to the teaching program and enable faculty and students to work together on current problems facing the agriculture sector.

Each student must complete a 6 month (one semester) internship before he or she can graduate. Each student reports on the experience and defends their thesis at the end of their

fourth and final year. The thesis is printed, signed by advisors and the principal, and five copies bound as is a thesis in US colleges.

Their first strategic plan was for 15 years and was written in 2000. They realize that it is time to organize a new plan and would welcome outside facilitation.

When asked what their three top needs were they mentioned: building the capacity of the (upgrade) faculty, develop on campus teaching resources (upgrade labs), and develop their library (interested in support for digital resources).

We toured the labs and noted that they were clean and well organized, but primitive and needed upgrading. All the supplies and equipment (glassware etc.) are accessible and not hidden away as in other education institutions.

HICAST subsidizes the thesis (printing, etc.) for \$80, but it costs the students more to get it bound and otherwise presented. This helps ensure that each student produces a quality, professional looking thesis.

I learned that Professor Nanda Natha Kumar, working in bio-medical in the Vet medicine at VT has visited the HICAST campus a few times. He may be interested in assisting in developing the labs.

They have conducted short courses (3 to date) to generate income for the campus and would like to conduct more. This is a good opportunity for innovATE to mentor them in developing an ongoing continuing education program.

HICAST has an established overhead rate (at 10%). We are working in Armenia to make the ATC self-sustaining and have worked with the IOF in Nepal to develop an overhead rate that can help with institutional sustainability. Both these experiences will be helpful in our association with HICAST.

Agribusiness is a new area which HICAST have been asked enter and they wish to address in their program. IDE had told me of this new development; seems a way for VT and our consortium to work with HICAST.

The students need experience (practical application of the theory learned in class) and the to develop confidence. Confidence is something that I have mentioned several times over the years. At HICAST the principal mentioned this – I am hearing it for the first time.

Of the graduates from HICAST, the Dean estimated that about 10% are self-employed, 25% go to work for the government, 30 – 40% go on for further studies, and many go to graduate programs overseas.

When I asked about how HICAST worked with the TU administration, the administration said it was very straightforward – TU does not hinder their growth and quickly makes decisions on requests made by HICAST. This was not the experience that we had when working with



institutions within the TU system – decisions often took a long time. HICAST recently received permission (from TU) to expand enrollment – moving from 13 to 40 students in their Vet science (five-year program); and growing from 48 to 96 students in in the 4-year agriculture program; so has nearly 500 students enrolled at this time.

PM packed and left for the airport; traveled home through Sunday evening (Jan. 18)

During my layover in the Delhi airport I spent the night in the new transit hotel within the airport. This is part of the recently completed new airport, and I found it highly desirable over the accommodations previously available overnight lay over– the couch in the lounge!

In the Delhi airport, I noted the IBEF billboards that talked about producing shade coffee, and other agriculture products – a nice connection to agribusiness; wonder where they get their new employees and how they acquire their skills?

### **Suggestions and Recommendations:**

Action points (Priority next steps)

1. With over \$100 million in current investments in developing Nepal’s agriculture sector and little if no capacity building planned in these projects, we need to organize a conference call with Danielle USAID Nepal and colleagues to engage the mission on adding capacity to several ongoing projects – KISAN, the recently funded programs such as: Haryo Ban (WWF and CARE), Food for Peace (IDE and Mercy Corps are implementing), the carryover and new IPM (VT and Peen State with IDE), the soon to be funded KISAN2 project, and several other projects.
2. Link with IDE to conduct a scoping for the training for Community-based facilitators (Luke will support our scoping from his project)
3. Develop a plan for a short (6 month) capacity building program with current projects as a pilot for USAID funded programs in Nepal. IDE could serve as a local support as they have pieces of several USAID projects.
4. We should link with HICAST to do a second scoping on agribusiness. We should be able to draw on many of our experiences in Armenia to help HICAST develop their program.
5. HICAST wishes to organize and establish outreach and research centers (ATC)
6. HICAST wishes help with a new strategic plan. Our participation would be a good way to get in on the ground floor and help with improving their situation. At the same time need to focus on key issues such as and needs help developing labs; developing short course, organizing and mentoring a development office, establishing outreach centers, etc.)
7. We need to learn more about the Cornell India USAID Mission effort to help develop AET capacity in Nepal and at the AFU.
8. We need a final agreement to field a team with WINROCK support to conduct workshop (Joe Ritter and Mike Rechlin have agreed to organize and lead the workshop; both had submitted preliminary resumes to WINROCK for Farmer to Farmer funding). The

Statement of Work is in final draft form; conference call with WINROCK in the USA is scheduled for Tuesday after I return home. I need to talk with Gary Alex to bring him up to date. The draft budget for support from innovATE is approximately \$6000.

9. Get in touch with Professor Nanda Natha Kumar, working in bio-medical in the Vet medicine at VT (231-1721; [nanda@vt.edu](mailto:nanda@vt.edu)) who has visited HICAST.

Strategies for the innovATE consortium in Nepal (List as of 1/23/15 (presented to USAID/Washington during debriefing session))

1. Work with the Agriculture and Forestry University (AFU) to develop and implement a workshop on improving teaching and learning workshop (a need identified interviews during research trips to Nepal);
  - a. workshop to be held in April 9-12, 2015; it will include a panel discussion on next steps; participants will be a cross section of representative AET stakeholders
  - b. USAID will be invited to participate in the discussions; private sector (employers) such as Agricare, a collaborator with the IPM IL partner IDE will also participate.
  - c. Through my encouragement WINROCK has committed to supporting two resource persons/mentors through Farmer to Farmer Program
  - d. Recommendation: The workshop will add greatly to the innovATE should contribute partial support to the workshop including travel for one resource person; total estimated cost to innovATE \$10k; WINROCK will support two resource persons, and USAID funded projects will support some of the participants.
2. USAID has recommended to USAID/India which is interested in supporting AET capacity development in Nepal and has recommended their supporting AFU. This opens the door to our supporting AFU and other AET institutions in Nepal. Establish a national teaching learning center based at the AFU that will serve all AET training and educational institutions in Nepal. How to best accomplish this will be included in the recommendations of a scoping report.
3. USAID has embarked on major investments in improving agriculture production without corresponding effort to develop capacity both within these USAID funded projects and of implementing personnel and organizations on the ground. The capacity building will help assure that the changes implemented are sustained well after these projects end
  - Assess the needs for sustainable capacity building to foster the help that the projects need to influence several hundred thousand households; i.e., 300,000 Smallholders over the next 5 years (this includes 5 USAID projects including the Food for Peace Project and IPM IL); also providing technical support to the KISAN project to reach 160,000 farmers.
  - One quick way to start this effort is to work with IDE to (1) assess the training needs of the CBFs (2) do some preliminary work together to bring in business planning

- training for the CBFs as we talked about. – how would that happen – how would the funds come to innovATE?
4. The Mission would like assistance in facilitating coordination between the agriculture sector projects so to increase the impact of these projects. Innovate could play a role in developing this coordination through acting as a clearinghouse for organizing and helping to implement capacity building.
  5. A key need is to retrain and integrate the thousands of migrant workers returning from working in the middle East. At the TVET level, Nepal needs better training of 2-year agricultural outreach staff - the Junior Technical Assistants (JTAs) and other personnel. The innovATE team has the ability to help Nepal's vocational training agency to build capacity.
  6. The Himalaya College of Agriculture and Scientific Technology (HICAST) is Nepal's only fully private agriculture college. It is a good partner for developing AET capacity. HICAST wishes to expand their program into agribusiness – a key way to engage more young professionals or returning migrant workers in the agriculture sector. As they depend solely on tuition and fees for income, we can help expand and diversify their support base.
  7. Throughout Nepal AET sector there is need to develop and increase linkages with the private sector. The need to train project staff and field-based implementers in how to develop value chains for agriculture inputs that would lead to increased agriculture production will also increase the appeal of careers in the agriculture sector. In Nepal we will work closely with several private sector stakeholders, including Agricare a partner of IDE on the IPM IL program.
  8. Several Innovation Lab projects generate research and development results that are appropriate for need to integrate their into applications for AET capacity improvement (curriculum development, etc.).
  9. Canvas our partner institutions and programs in Nepal to identify key roles and current capabilities; determine how best to organize, and who would conduct these trainings
  10. Organize collaboration with the IPM IL and the Livestock ILs to facilitate training and capacity development (need buy in and sharing of resources). Have had preliminary conversations with Muni and the IPM Innovation Lab about this need; innovATE collaboration was written into the new IPM proposal.
  11. Organize with WINROCK to fill Farmer to Farmer positions in the two focus areas for Nepal: AET and Youth Development. This is very synergistic with our program, and will help us increase our presence in Nepal.
  12. Increase the capacity to provide entrepreneurial training in the agriculture sector; HICAST is ready to work gear up their Agribusiness program to fill this niche; business planning and other “soft skills’ are in great need, especially at the CBF level
  13. USAID/India and two partners (Cornell and Sat Guru, a management consulting company in India) have resources and wish to support developing AET capacity in Nepal. The USAID Mission has suggested that they work with AFU. (We need to find out more

about the scope and topic areas of this assistance.) Why would USAID India want help Nepal’s AET capacity? There are several areas at the AFU that need development and would benefit from our assistance. There is plenty of room for both teams to work with the AFU. InnovATE’s plan should be to work beyond AFU and through several partners in the AET sector. The workshop will include representatives from all AET institutions in Nepal.

14. If needed Cornell (and other universities with experience and interest in Nepal) can join the innovATE consortium. There is room for more partners, with AET experience and resources in additional countries.
15. As in many institutions, there is need to include more experiential learning opportunities in AET programs. Internships at HICAST are required and could be looked at as a “best practice” an example for other programs in Nepal; interviewing graduates, and current interns to assess the impact would be a good first step.

### Conclusions

I cannot say enough about the help and counsel provided by Dr. Luke Colavito, the IDE country director of and his colleague Mr. Sulav Poudel. Sulav spent several hours with me during the week in Nepal. He helped set up meetings and accompanied me on most of them.

The recommendations and a strategy for moving forward indicate that the prospects for our further involvement in Nepal are great. With support from the USAID Mission there and USAID Washington innovATE is well-positioned to help develop AET capacity in Nepal and serve as an example for the region.

The opportunity to be part of the conference raised the visibility of innovATE in the region and with several key players in the climate change scene. It also helped us identify some of the key needs for training and education in coping with the impacts of climate change.

### List of Contacts Made:

Name	Title/Organization	Contact Info (address, phone, email)
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**Appendix:** Conference agenda: International Conference On Climate Change Innovation And Resilience For Sustainable Livelihood, held 12-14 January 2015, Kathmandu, Nepal

<http://climdev15.org/wp-content/uploads/2014/03/Draft-Agenda-ClimDev15.pdf>