



Research and Impact Communiqué

April 1, 2015

This communiqué brings you research and impacts from the projects we support in Africa and South Asia as well as insights into our investigators, resources, up and coming conferences and funding opportunities. Visit our website at lccrsp.org and/or sign up to receive the monthly communication by email.

Activities of the Livestock Innovation Lab

Project Impacts



[Meet the 2014 Nepal Scholars](#)

The Livestock Innovation Lab has a new video highlighting the Livestock Innovation Lab's 2014 Nepal Scholars! Selected to research livestock and climate change in Nepal, the new and renewed 2014 Nepal Scholars were interviewed by the CSU team in Kathmandu, Nepal on their projects and thoughts on the Livestock Innovation Lab's Scholar program. To learn more about some of our newest up-and-coming researchers watch the video [here](#).



[Research Brief: Effects of Clipping and Irrigation on Grass Carbon Allocation](#)

East Africa Scholar Samuel Tuffa Kawo of University of Hohenheim has released a new research brief for the Livestock Innovation Lab Scholars' Program. Kawo explored the effects of grazing—simulated by clipping frequency—and irrigation amount on the ability of grasses to mitigate carbon dioxide emissions in grazing systems. Analysis showed that both factors can impact the greenhouse gas mitigation ability of grasses.



[Research Brief: Mapping Risks Associated with Peste des petits ruminants \(PPR\)](#)

East Africa Scholar Pauline Njoki Gitonga of University of Nairobi has released a new research brief for the Livestock Innovation Lab Scholars Program. Gitonga conducted a risk-based surveillance study to identify factors that trigger Peste des petits ruminants (PPR) infections in pastoral goat and sheep populations in Kenya. Data was collected through sampling and surveys with results indicating that the owners' decisions and ability to vaccinate their herds as the most significant risk factor.

Capacity Building

In March, Livestock Innovation Lab researchers reported capacity building activities that included 44 students, farmers, researchers, and NGO representatives



Project Connects Pastoral Communities to Climate Change Research

Based in Senegal, Tamara Thompson of the Livestock Innovation Lab project *Climate Change, Pastoral Resources and Livestock in the Sahel: Developing a Community Relevant Pastoral Prediction System* traveled throughout Senegal and Mali to conduct climate change workshops and nutritional surveys for pastoralists of the Sahel. Coordinating with a variety of the project's interdisciplinary partners, Thompson traveled to villages throughout the area to connect pastoral communities to climate change research.



Veterinary Workers, Researchers, and Farmers Trained in Nepal

Researcher for the Livestock Innovation Lab's project *Adaptive Pathways to Climate Change: Livestock and Livelihood Systems in the Gandaki River Basin*, Dr. Netra Chhetri traveled to Nepal to provide workshops to veterinary workers, researchers, and rural farmers throughout Nepal. Read the article to learn how Dr. Chhetri's writing, research, and agricultural workshops are making a difference in Nepal.

Congratulations to the Livestock Innovation Lab's Innovator of the Month!



Dr. Ajay Jha has been selected for April's Livestock Innovation Lab's Innovator of the Month! A researcher with Colorado State University, Dr. Jha brought his experience building sustainable community-based agricultural and water systems to address water and food insecurity in Nepal. Working through science-based enterprise solutions, Dr. Jha has collaborated with local stakeholders and women's groups to bring bucket drip irrigation to Nepal farmers in need. To read more about Dr. Jha's work and his advice for empowering rural communities for change, click [here](#).

Funding & Fellowship Opportunities

[UN Framework Convention on Climate Change: Lighthouse Activities 2015](#)

Deadline: 24 April, 2015

The UN's Climate Change Secretariat announces the 2015 "Lighthouse Activities" to shine a light on innovative and replicable examples of tackling climate change. Projects should address one of the following themes: innovations and adaptations by the urban poor; women's leadership; financial mechanisms; and ICT solutions. The contest is open to organizations, communities, cities, businesses, governments and others that are taking concrete action on climate change. The winning projects will be offered attendance at the 2015 UN Climate Change Conference in Paris, along with support for publicity and networking.

[Irwin Andrew Porter Foundation: International Grants](#)

Deadline: 30 April, 2015

The Foundation's international grant making includes projects for agriculture, natural resources, and grassroots conservation. Grants range from US\$500 to US\$30 thousand per year for projects of 1-2 years. Applicants must have tax-exempt status or a tax-exempt fiscal agent in the USA.

[Nestlé Foundation: Research in Human Nutrition](#)

Deadline: 10 May, 2015

The Nestlé Foundation supports research in human nutrition in low-income and lower middle-income countries. In relation to agriculture, the Foundation will consider research on food policy, food production, and food technology if the intervention has high potential for sustainable improvement of nutritional status. The Foundation offers training grants, pilot grants, and full project grants. Priority is for proposals submitted by researchers in developing countries, or jointly with partners in developed countries. Letters of intent can be submitted at any time.

[Netherlands Organization for Scientific Research: Food and Business Applied Research, 2nd Call for Proposals](#)

Deadline: 12 May, 2015

The Netherlands Organization for Scientific Research (WOTRO) manages the Food & Business Applied Research Fund to provide grants to demand-driven applied research that contributes to innovation for food security in developing countries. The program is active in the 15 partner countries of Dutch development cooperation: Afghanistan, Bangladesh, Benin, Burundi, Ethiopia, Ghana, Indonesia, Kenya, Mali, Mozambique, Palestinian Territories, Rwanda, South Sudan, Uganda, and Yemen. The Fund invites applications by consortia consisting of at least one practitioner organization (i.e. companies, NGOs, governmental organizations) from a partner country, and one research or higher education organization. At least one Dutch partner is required in the consortium. Grants range from €50 thousand (for six months) to a maximum of €300 thousand (for 36 months).

[Massachusetts Institute of Technology \(MIT\): Climate Co-Lab 2015](#)

Deadline: 16 May, 2015

The Climate Co-Lab aims to gather and apply collective intelligence from around the world to address global climate change. The Co-Lab invites the best ideas to prevent and adapt to climate change. Some contests pose social and political questions, while others focus on issues in science and technology. Additionally, the competition welcomes ideas to address climate change by major world regions, e.g., China, India, EU, USA, and others. The contest winners will be invited to compete for a grand prize of US\$10 thousand.

[Securing Water for Food: Request for Concept Notes](#)

Deadline: 22 May, 2015

Securing Water for Food: A Grand Challenge for Development is pleased to announce its 3rd call for Innovation. Innovators that have a post-pilot science/technology and/or business model innovation that either produces more food using less water or increases water availability for food production, processing, or distribution are encouraged to apply. Specifically, Securing Water for Food seeks solutions for water reuse, water capture and storage, and salinity and salt water intrusion. This 3rd round under the Challenge will introduce an increased focus on cutting-edge, advanced technologies and business models, as well as innovations that benefit women

[World Academy of Science: Research grants 2015](#)

Deadline: 1 June, 2015

The World Academy of Science funds programs that provide grants to researchers in developing countries for specialized equipment, consumable supplies, and scientific publications. Grants are awarded to individual scientists and to research groups. Applicants need to have a PhD.

[Associated Country Women of the World \(ACWW\): Grants in Support of Women and Children](#)

Deadline: 30 June, 2015

The ACWW makes small grants that directly benefit women and/or children in subject areas that include agricultural training and development, water and sanitation, and several others. AWCC's member organizations can submit applications at any time; non-members should apply during January or June of each year.

[USAID Research and Innovation Fellowship Programs](#)

Deadline: Varies, Contact Program Opportunities for More Information

USAID's Research and Innovation Fellowships Program places promising talent from U.S. institutions with host organizations in developing countries to help tackle development challenges and engage in cutting-edge research and innovation. The RI Fellows program invites all HESN Labs to take a look at the catalog containing over 400 host opportunities in these countries. Students can peruse the catalog for opportunities that align with their experience and interests, and contact the host point of contact to discuss a collaboration lasting between 2 and 12 months. If students are successful and choose a project, please notify the RI Fellows program in order to be connected to the broader network of Fellows and hosts by emailing rifellowships@usaid.gov. The RI Fellows program will not be able to fund HESN students to engage in these projects, but strongly encourages students to establish collaborations and seek funding through their university and lab. For more information, visit the Step-by-Step Instructions for how to make a match with a host and how to apply.