1. Research Programs

Zoonotic diseases

Zoonotic Emerging Infectious Diseases: A project in the Mekong to build capacity to manage zoonotic emerging infectious disease started in 2008. A scoping study is underway. For more information contact John McDermott at j.mcdermott@cgiar.org.

Neglected zoonoses: A joint programme has been established between ILRI and the Swiss Tropical Institute to specifically focus on major neglected zoonoses. For more information contact Esther Schelling at e.schelling@cgiar.org.

ILRI is also a partner on a new Integrated Control of Neglected Zoonoses project focusing on prioritization and control tools. For more information contact John McDermott at j.mcdermott@cgiar.org.

Cysticercosis: ILRI is participating in a Cysticercosis Working Group of Eastern and Southern Africa (CWGES), which promotes integrated research and control activities aimed at combating cysticercosis. For more information contact Arve Lee Willingham at awi@life.ku.dk.

ILRI is also a partner on an ASARECA-funded project conducting baseline studies and validating diagnostosc in East Africa. For more information contact Richard Bishop at r.bishop@cgiar.org.

We are also leading work on evaluating cysticercosis and possible interventions in Mozambique. For more information contact Paulo Duarte at p.duarte@cgiar.org.

Rift Valley Fever: ILRI has been evaluating the impact of the recent Rift Valley Fever outbreaks in East Africa and translating these lessons, in collaboration with FAO, into a decision-support system for more rapid and effective response. For more information contact Jeff Mariner at j.mariner@cgiar.org.

We are also collaborating on a new project on arboviruses (including RVF) in Kenya. For more information contact Steve Kemp at s.kemp@cgiar.org.

We are also validating diagnostics developed for Rift Valley fever, specifically a Real Time PCR assay and a competitive ELISA. For more information contact Richard Bishop at r.bishop@cgiar.org.

Highly Pathogenic Avian Influenza: zoonotic aspects are being included in major assessments underway to understand risk and impacts associated with its introduction and spread. For more information contact Jeff Mariner at j.mariner@cgiar.org.
Tuberculosis: We are experimentally comparing immune responses and pathology induced by *Mycobacterium bovis* infection between *Bos indicus* and *Bos taurus* cattle. For more information contact Richard Bishop at r.bishop@cgiar.org.

*Streptococcus agalactiae*: The sequence is being mined for possible vaccine and diagnostic candidate antigens. For more information contact Richard Bishop at r.bishop@cgiar.org.

*Cryptosporidiosis*: Results from a project led by University of Nairobi with technical support from ILRI will be disseminated this year. For more information contact Delia Grace at d.grace@cgiar.org.

**Safety of animal source foods**

*Participatory risk analysis for informal markets*: A seven country study is underway to build capacity to use risk analysis to better manage food safety in informal markets in Africa. For more information contact Kohei Makita at k.makita@cgiar.org.

*Comparative risk analysis*: A study in Ethiopia is developing methodologies for comparative risk analysis (risk profiling) of food-borne disease. For more information contact Delia Grace at d.grace@cgiar.org.

*Positive deviance*: Work with women’s groups in Nigeria is investigating food safety in meat markets and interventions to improve this based on positive deviance. For more information contact Delia Grace at d.grace@cgiar.org.

*Traditional dairy products*: A study in North East India is looking at hazards in traditional milk products and knowledge, attitude and practice that contribute to risk reduction or amplification. For more information contact Derek Baker at d.baker@cgiar.org.

*Demand for food safety*: Several studies are looking at demand for food safety along with other quality attributes and how risk analysis may be applied to resolve safety concerns. For more information contact Amos Omore at a.omore@cgiar.org.

*Rationalization and harmonization of food safety policies*: There is ongoing action research and facilitation of policy dialogue to rationalize and harmonize milk safety regulations in eastern Africa by ASARECA and backstopped by ILRI. For more information contact Amos Omore at a.omore@cgiar.org.
Climate change and infectious disease

Climate and disease: A recently completed challenge dialogue considered the impacts of climate change on infectious disease (human and animal) in Africa. For more information contact Patti Kristjanson at p.kristjanson@cgiar.org

Kenya Climate and Health Working Group: This new group that is looking at ways to improve prediction, prevention and response to infectious diseases in Kenya. For more information contact Bernard Bett at b.bett@cgiar.org.

Livestock and nutrition

Livestock nutrition review: A review on the links between livestock and nutrition with Cornell University is being completed. For more information contact Tom Randolph at t.randolph@cgiar.org

Animal source foods: A research collaboration with the Swiss Federal Institute of Technology Zurich (ETH) was recently undertaken. For more information contact Tom Randolph at t.randolph@cgiar.org.

Livestock, water quality, and human health

Waste water: ILRI in collaboration with IWMI and others is investigating the relationship between water - soil - produce quality (fodder and milk) to assess the chain of possible contaminations (heavy metals, nitrate, parasites) and ultimately the hazards to producers (farmers, dairy producers) and consumers of livestock products in these urban areas. For more information contact Michael Blummel at M.Blummel@cgiar.org

Biotechnology

Vaccines: ILRI research on livestock vaccines has direct and indirect links to medical vaccine and diagnostic research. One aspect of this work involves host functional genomics as it relates to livestock diseases that can be transmitted to humans. For more information contact Phil Toye at p.toye@cgiar.org.

Trypanosomosis: A project investigating resistance to trypanosomosis in cattle is shedding light on some of the basic questions of disease resistance, which may have implications for human medical treatment. For more information contact Steve Kemp at s.kemp@cgiar.org
2. Initiatives and Networks

Urban Harvest Programme

ILRI is a member of Urban Harvest, a CGIAR initiative to use the collective knowledge and technologies of the CGIAR Centers to strengthen urban and peri-urban agriculture (UPA) practiced by the poor. For more information contact Delia Grace at d.grace@cgiar.org.

PENAPH

ILRI is supporting a network on participatory epidemiology in human and animal health. For more information contact Sally Crafter at s.crafter@cgiar.org.

3. Outreach and Events

Training in Participatory Epidemiology. For more information contact Bryony Jones at b.jones@cgiar.org.

Training in Participatory Risk Analysis. For more information contact Delia Grace at d.grace@cgiar.org.

Media communication and events. For more information contact Susan MacMillan at s.macmillan@cgiar.org

4. PUBLICATIONS

NEW PUBLICATIONS 2007 - 2008


Cross-disciplinary and participatory livestock and human health research for successful control of zoonoses in the developing world. Tibbo, M., Schelling, E., Grace, D., Bishop, R., Taracha, E., Kemp, S., Ameni,


**Risk of Exposure to Marketed Milk with Antimicrobial Drug Residues in Ghana.** 2007. Aning, K,G., Donkor, E.S., Omore, A., Nurah, G.K., Osafo,
E.L.K. and Staal, S. 2007. The Open Food Science Journal, 1, 1-5. ISSN: 1874-2564

**Staff Contact**

Delia Grace, veterinary epidemiologist, d.grace@cgiar.org.