



TECHNICAL ASSISTANCE TO DEVELOPING COUNTRIES

SUBMISSION BY THE UNITED STATES

Addendum

The following communication, dated 15 November 2013, is being circulated at the request of the Delegation of the United States of America.

1 INTRODUCTION

1.1. In response to the Secretariat's request in G/SPS/W/101, the United States submits the following compilation of technical assistance provided to developing countries and newly acceding countries between 1 October 2011 and 31 September 2012 in accordance with Article 9 of the Agreement on the Application of Sanitary and Phytosanitary Measures. In this report, the United States provides details on 316 technical assistance projects in the fields of food safety, animal health, and plant health. The total value of these programmes is approximately US\$45 million. The United States continues its efforts to tailor technical assistance in relation to the requests made by developing countries and newly acceding countries.

1.2. The United States remains both supportive of, and active in, granting technical assistance to developing countries within the framework of the SPS Agreement. In particular, US trade capacity building efforts in the SPS area seek to foster a clear understanding of key SPS provisions in international and bilateral trade agreements. Programs focus on the key requirement that SPS measures be supported by science, the fundamentals of risk assessment, and the most effective way to build and administer SPS regulatory programs. Forms of assistance include conducting regional trade capacity building workshops, conferences, hands-on training programs, mentorships, and site visits to US research facilities.

1.3. The United States administers a number of programs to build expertise in foreign countries regarding agricultural biotechnology, food safety, animal health, and plant health. Fostering a cadre of specialists who support science-based health and safety measures improves the safety of products imported to the United States and facilitates transparent and predictable market access for US exports. USDA and FDA implement many of these technical assistance activities in partnership with other US government agencies, international organizations, US universities, 90 agribusinesses, and private consultants. This technical assistance not only increases developing country partners' capacity to access the benefits of increased agricultural trade, but also builds understanding of the US SPS regulatory system, provides the United States with key partners within ministries of agriculture, health, and trade, and allows the United States to promote the adoption of SPS measures that are harmonized with science-based international SPS standards.

1.4. Below are descriptions of several comprehensive or thematic areas of US technical assistance, followed by a table listing other related activities funded by the US Government during the reporting period. This list is not meant to be comprehensive, but highlights some of our most recent and important activities.

2 UNITED STATES FOOD SAFETY OUTREACH

2.1 APEC Economies

2.1. The US Government's participation in the Asia Pacific Economic Cooperation (APEC) Food Safety Cooperation Forum (FSCF) and related events signifies an investment in the food safety systems of our trading partners. Under the FSCF's Partnership Training Institute Network (PTIN), the US Department of Agriculture (USDA) works with government, academic, and private sector counterparts to deliver enduring food safety training in the APEC region. Since 2008, PTIN initiatives have engaged food sector stakeholders from the APEC region in efforts to meet critical food safety training needs throughout the food supply chain, specifically in regard to: risk analysis, laboratory capacity, export certification, and managing food emergencies. Strategies for dissemination of training materials and mechanisms for evaluating effectiveness of training efforts have been a key element of these initiatives.

2.2. The efforts of the United States to coordinate technical training and share best practices help to increase the capacity of APEC member economies to produce safe foods, regulate food safety, and help ensure science- and risk-based approaches to food safety to help facilitate global trade in safe food and agricultural products.

3 UNITED STATES ANIMAL AND PLANT HEALTH OUTREACH

3.1 Animal and Plant Health Inspection Service

3.1. The APHIS international and domestic staffs provide international assistance and capacity building in animal and plant health infrastructure to a variety of emerging countries. APHIS is the lead US government agency in international standard setting organization activities which are involved in animal (sanitary) and plant health (phytosanitary) issues. APHIS international technical and regulatory capacity building activities are conducted on the basis of requests from other countries or from US Government agencies involved in international technical assistance. APHIS has staff positioned globally in 34 overseas offices assisting in both import and export issues. Also, APHIS partners with international agricultural organizations, such as the World Organization for Animal Health (OIE), the Food and Agricultural Organization of the UN (FAO), and the Inter-American Institute for Cooperation in Agriculture (IICA) to achieve common goals and objectives overseas.

3.2. APHIS provides training to foreign audiences or invites foreign counterparts to US training activities in core subject areas. These include areas in which APHIS is an internationally-recognized leader such as: foreign animal disease surveillance; epidemiology; emergency preparedness and response (e.g., foot-and-mouth disease and avian influenza); export and import regulations; health certification; pest and disease risk and pathway analyses; biotechnology regulatory procedures and processes; national animal and plant health infrastructures and delivery of services; sanitary and phytosanitary regulations development; wildlife control techniques and diagnostics; regulation of veterinary vaccines; diagnostic test kits and laboratory procedures; livestock identification techniques and procedures; and pest-free area assessments.

3.3. In 2012, APHIS, through its International Technical and Regulatory Capacity Building Center (ITRCB), received and coordinated 166 requests for subject matter expertise, training and other non-visitor center activities across all APHIS programs. Animal Health outreach predominates as funding received from other US Government agencies is focused primarily on biosecurity and pathogen reduction related issues. APHIS benefited from this interest by gaining funding for core activities, specifically quality assurance in laboratories, additional data for world-wide animal disease surveillance, and an increased willingness from foreign counterparts to collaborate on emerging animal health issues.

3.4. Plant Health and Biotechnology outreach activities although fewer in number were also implemented in 2012. Safeguarding which includes a range of plant protection and quarantine related activities underscore capacity building conducted through formal US based training and subject matter expert outreach. Plant Health capacity building emphasizes the essential elements of a plant health safeguarding system approach.

3.5. USDA agreements held with the Food and Agriculture Organization (FAO), the World Organization for Animal Health (OIE), and the Inter-American Institute for Cooperation on Agriculture (IICA) provide important multi-lateral contacts and implementation support to APHIS's international work in plant and animal health.

3.6. Training and technical assistance was provided to national and local government officials, and in some cases to the private sectors. Some key international activities included are:

- Plant and Animal Health regulatory infrastructure development, such as training in diseases surveillance; pest/disease diagnostic techniques; risk assessment; etc.
- Assistance to bring foreign diagnosticians and experts to US laboratory and quarantine facilities for training;
- Technical assistance and training to inform and train government scientists and managers about transboundary animal disease diagnostics including wildlife disease surveillance issues

TABLE OF ACRONYMS

AGOA	African Growth and Opportunity Act
AI	Avian Influenza
AMS	Agricultural Marketing Service
APEC	Asia-Pacific Economic Cooperation
APHIS	Animal and Plant Health Inspection Service
ARS	Agricultural Research Service
BTA	Bilateral Trade Agreement
CADI	Caucasus Agricultural Development Initiative
CAFTA DR	Central America-Dominican Republic Free Trade Agreement
CARD	Center for Agribusiness and Rural Development
CFSAN	Center for Food Safety and Applied Nutrition
COMESA	Common Market for Eastern and Southern Africa
CRSP	Collaborative Research Support Project
CSREES	Cooperative State Research, Education, and Extension Service
EPA	Environmental Protection Agency
FAS	Foreign Agricultural Service
FDA	Food and Drug Administration
FSIS	Food Safety and Inspection Service
GAP	Good Agricultural Practices
GIPSA	Grain Inspection, Packers, and Stockyards Administration
GIS	Geographic Information System
GMP	Good Manufacturing Practices
GPS	Global Positioning System
HACCP	Hazard Analysis and Critical Control Point
IICA	Inter-American Institute for Cooperation on Agriculture
IPM	Integrated Pest Management
JIFSAN	Joint Institute for Food Safety and Applied Nutrition
NAFTA	North America Free Trade Agreement
NATO	North Atlantic Treaty Organization
PRA	Pest Risk Assessment
TRQ	Tariff Rate Quota
USDA	United States Department of Agriculture
USAID	United States Agency for International Development

MEMBER: UNITED STATES

TABLE - TECHNICAL ASSISTANCE PROVIDED TO MEMBERS AND ACCEDING COUNTRIES FY12

Sector	Provided To	Date, Title, Budget	Activity Summary	Contact
Animal Health	Viet Nam	16 September 2012 to 8 December 2012 Borlaug Viet Nam (HG Hoang) PSU FY12 (\$30,000.00)	A Borlaug Fellow from Viet Nam spent 12 weeks at Penn State University conducting research on agricultural extension. The Fellow learned about evaluating social, economic and environmental effectiveness of agricultural (livestock) extension models.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Animal Health	Mexico	15 October 2012 to 15 December 2012 Borlaug Mexico (Jacqueline Castaneda Ortiz) TAMU (\$30,000.00)	A Borlaug Fellow from Mexico focused on the identification of genomic differences for cattle between Anaplasma Marginale strains. This helped the Fellow to understand the epidemiology of the disease and contribute to vaccine development.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Animal Health	Egypt	12 September 2012 to 12 December 2012 Borlaug - Egypt (Rabab Sawah) FY12 TAMU (\$30,000.00)	One Borlaug Fellow from Egypt trained with professors from Texas A&M University to learn and expand knowledge of new technology and techniques of diagnostic epidemiology, bio-surveillance, and animal identification. The Fellow focused on surveillance and monitoring systems for animal health programs, emergency response cycle, and vaccination procedures for brucellosis.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Animal Health	Ethiopia	8 October 2012 to 23 November 2012 Borlaug Fellowship Program - Ethiopia (Geleto, Tamrat) (\$30,000.00)	Iowa State University provided a training program for one Borlaug Fellow from Ethiopia. The training focused on the application of animal reproductive biotechnology in dairy cattle to enhance production and productivity of dairy cattle. The fellow gained a more concrete understanding of how the application of reproductive biotechnology tools (estrus synchronization and AI) can be used to help improve genetic makeup, and increase individual and herd level production and productivity of dairy cattle in Ethiopia, and boost milk yield and the dairy sector.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov

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Animal Health	Senegal	17 September 2012 to 1 December 2012 Borlaug - Senegal (Diouf, Alfred) Michigan FY12 (\$30,000.00)	One Borlaug Fellow from Senegal trained with professors at Michigan State University on animal disease prevention, surveillance, diagnosis, treatment and control. This Fellowship included on farm Biosecurity training as well as an overview of disease surveillance policy.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Animal Health	Iraq	2 August 2012 to 17 December 2012 Iraq Veterinarians (\$320,000.00)	Eight University instructors from Colleges of Veterinary Medicine in Iraq spent one semester at a College of Veterinary Medicine in the United States observing classes, working in labs to gain exposure to modern research methods, and traveling on field trips to understand how the US veterinary system is organized and functions. By the end of the program, participants had upgraded technical knowledge, developed two new course outlines for introduction at home, and had learned new teaching methodologies and research methods to improve veterinary education in Iraq.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Animal Health	Afghanistan	30 June 2012 to 4 July 2012 Animal Health Poultry Disease Diagnostics Training Course (\$5,000.00)	USDA sponsored this 5 day interactive workshop at the Central Veterinary Research and Diagnostic Laboratory on poultry disease diagnostics.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Burkina Faso	14 May 2012 to 18 May 2012 West Africa Regional Workshop on Traceability, Inspection and Certification of Imports and Exports of Live Animals and Animal Products (\$66,026.00)	The USDA/Foreign Agricultural Service (FAS) conducted a workshop that included updates from 15 West African countries on animal traceability, inspection and certification requirements for disease risk management at borders (ports) and implementation of OIE guidelines for the safe international movement of animals and animal products.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Ethiopia	27 August 2012 to 30 August 2012 Standards Methods and Rules Animal Control Program Inception Workshop (\$204,935.51)	An inception workshop for a project in East Africa on animal health standards, methods and procedures. The workshop was held in Addis Ababa, Ethiopia and participants were from member countries of the Intergovernmental Authority on Development (IGAD). The overall objective of this workshop was to create awareness of the project among stakeholders and provide them with an opportunity to contribute to the project's development.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov

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Animal Health	Ghana	10 September 2012 to 12 September 2012 2 nd Annual RESEPI meeting (\$125,000.00)	This is the second meeting of the Regional Network of National Epidemiology Surveillance Systems for Transboundary Animal Diseases (TADs) of West Africa (RESEPI). The purpose of this activity was to reactivate RESEPI and strengthen disease surveillance of TADs in the region.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Kenya and Senegal	1 October 2011 to 30 September 2012 East Africa SPS Advisor FY 2012 (\$548,448.00)	USDA placed an SPS Advisor in East Africa. The SPS Advisors provided technical advice and led the implementation of plant health, animal health, and food safety programs and activities managed by USDA and USAID. They developed technical agendas for SPS programs in East Africa; applied new and innovative approaches in planning, designing, and evaluating SPS programs; and recommended activities and approaches to advance the accomplishments of the program. The SPS Advisors assist East African governments with complying with international SPS standards.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	China	21 August 2012 to 31 December 2013 APHIS/WS Coop with Chinese Academy of Science for HPAI (\$121,725.00)	The USDA/APHIS /Wildlife Services, National Wildlife Research Center, National Wildlife Disease Program (NWDP) and the Chinese Academy of Sciences, Institute of Zoology (IOZ) cooperated to conduct surveillance activities. NWDP and IOZ also have collaborated on developing training activities and workshops to increase communications among countries in an effort to improve capacity for monitoring and responding to wildlife borne diseases.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Uganda	1 August 2011 to 30 September 2012 African Swine Fever epidemiology work (\$61,725.00)	USDA conducted research into the disease dynamics and spread of African swine fever (ASF) in Uganda: This was a pilot study on the role of the bushpig (<i>Potamochoerus larvatus</i>) in spreading ASF.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Azerbaijan	25 August 2010 to 31 December 2013 Animal Health (\$219,397.00)	USDA's Foreign Agricultural Service and Utah State University provided technical assistance to the Azerbaijan State Agrarian University's veterinary college. The project strengthened the University's animal feed and nutrition curriculum. This effort contributed to a long-term goal of increasing dairy production and improving animal health in Azerbaijan.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov

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Animal Health	Bangladesh	19 March 2012 to 31 December 2012 Assessment - SPS Capacity Building in Bangladesh (\$245,000.00)	USDA/FAS worked with USAID, FDA, USDA/APHIS, and academic subject matter experts to implement an assessment to determine capabilities and gaps in SPS capacity (with a strong focus on food safety) in Bangladesh. This assessment helped the Government of Bangladesh to formulate and implement sanitary and phytosanitary policies and regulations consistent with international obligations and standards.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Uganda	1 October 2011 to 30 September 2012 In-country scientific scholars program (\$18,000.00)	USDA/FAS provided funding for two Masters' degree scholarships for Ugandan government animal health officials working in epidemiology and diagnostics in laboratories to attend Makerere University for a Master's Degree. By increasing Uganda's animal health capacity, USDA/FAS hopes to improve the capacity of the government for improved control and understanding of zoonotic diseases in Uganda.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Indonesia	1 October 2011 to 30 September 2012 In-country scientific scholars program (\$35,000.00)	USDA/FAS provided funding for five Masters' degree scholarships for Indonesian Ministry of Agriculture animal health officials working in epidemiology and diagnostics in laboratories in Indonesia to improve progressive control of highly pathogenic avian influenza and other zoonotic diseases studied in Indonesia.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Malaysia	3 September 2012 to 7 September 2012 Biosafety Workshop Malaysia (\$65,000.00)	USDA/FAS in collaboration with APHIS, organized a National Workshop on Laboratory Biorisk Management to strengthen the diagnostic abilities of the Ministry of Agriculture's Veterinary Research Institute (VRI) and private laboratories. This workshop was designed for animal health diagnostic and research laboratory personnel.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Armenia	1 October 2011 to 30 September 2012 Community Animal Health Network Pilot Syunik Marz (\$157,098.00)	As a pilot project, USDA/FAS established a Farm and Veterinary Service Center in Syunik Marz, Armenia as part of the Community Animal Health Network. The center is designed to reduce incidences of priority animal diseases while enhancing sustainable livelihoods of veterinarians and livestock producers. This center provides veterinarians in the region access to animal health information, technology, medicines, and supplies.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov

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Animal Health	Armenia	1 November 2011 to 30 September 2012 Armenia MOA Engagement and Collaboration on Animal Health (\$55,000.00)	USDA/FAS worked with the Ministry of Agriculture of Armenia to create an animal health capacity building work plan which supports the development of a science based animal health system consistent with international standards.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Georgia	1 August 2011 to 30 September 2012 Vet association development (\$457,955.00)	USDA/FAS provided technical support to Georgia's private veterinary associations, and supported the establishment of a Center for Association Management. This center creates a business oriented and sustainable support system for the administrative needs of Georgia's regional veterinary associations. USDA/FAS's Animal Health program in Georgia is directly addressing a Georgian government priority to create an effective private veterinary sector through the use of appropriate incentives. This is the first strategic objective of the National Animal Health Program in Georgia.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Georgia	1 October 2011 to 30 September 2012 Technical Advising Georgia Animal Health Program and NAHP Steering Group Coordination (\$177,000.00)	USDA/FAS provided technical advice to the Government of Georgia on the implementation of the Georgian National Animal Health Program's strategic objectives. Technical assistance assisted the Ministry of Agriculture (MOA) to develop and implement a science based brucellosis surveillance program that will serve as a model for other priority animal health diseases. Additionally, USDA/FAS-supported the MOA-led National Animal Health Program Steering Group meeting. This steering group acts as a technical advisory panel to the MOA and addresses issues related to private veterinary sector support, animal identification and registration, status of brucellosis control program, and laboratory capacity building. The steering group provides coordination among key stakeholders working to help Georgia implement science-based animal health policies.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Honduras	15 February 2012 to 30 September 2012 Honduras Vet Accreditation (\$30,000.00)	USDA provided training on Veterinary Accreditation (VA) and National Animal Identification (ID). This training included topics such as major poultry diseases, the development of a national VA program, a National Animal ID System, and included a one day practical field exercise.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov

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Animal Health	Kazakhstan	11 November 2011 to 19 November 2011 Brucellosis Table-Top Exercise (\$10,545.00)	An USDA/APHIS veterinarian traveled to Astana, Kazakhstan to visit the National Veterinary Reference Center then to Almaty, Kazakhstan to help lead the Kazakh Epidemiology Tabletop Exercise to engage both veterinary and human health responders/reporters in practice for a disease outbreak.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Kazakhstan	18 June 2012 to 22 June 2012 Epidemiology and Vet Public Policy Workshop (\$26,741.00)	The Epidemiology and Veterinary Public Policy Workshop, in Almaty, Kazakhstan provided Ministry of Agriculture officials with an understanding of key veterinary epidemiological concepts and their role in complying with international standards for animal health. This was put on by USDA and is part of USDA's Kazakhstan Animal Health Capacity Building Program funded by the Defense Threat Reduction Agency.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Ukraine	4 December 2011 to 5 December 2011 CRWAD 2011 (\$710.00)	USDA FAS/ARS met with Ukrainian conference participants to discuss next steps and plans for upcoming FY 12 activities, as well as to introduce USDA staff to Ukraine counterparts. The Conference of Research Workers in Animal Diseases (CRWAD) was established in 1920.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Ukraine	29 November 2011 to 2 December 2011 In Country Biosafety and Biosecurity Technical Assistance and Training (\$15,000.00)	USDA/FAS, in cooperation with USDA/ARS, worked collaboratively with key Ukrainian specialists identified by Ukraine's official veterinary service (SVPS) to assist in increasing SVPS's internal capacity to implement international biosafety standards in the diagnostic and research laboratories targeted for upgrades by the US Defense Threat Reduction Agency.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Ukraine	27 February 2012 to 2 March 2012 Basic Veterinary Epidemiology Course (\$17,500.00)	USDA/FAS and USDA/APHIS provided training on veterinary epidemiology to officials from Ukraine's veterinary service (SVPS). The training instructed participants on the basic principles of veterinary epidemiology, and developed a baseline level of knowledge that can be utilized to manage risk of disease incursion, disease control and outbreak response, as well as prepared participants for further training courses.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov

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Animal Health	Ukraine	20 August 2012 to 23 August 2012 Veterinary Epidemiology Investigation Workshop (\$8,500.00)	USDA/FAS and USDA/APHIS held a Veterinary Epidemiology Investigation Workshop in Ukraine. This workshop involved key personnel in an informal setting and discussed veterinary epidemiological investigation processes, and built new epidemiological tools for emergency response to African swine fever. The workshop allowed exercise participants the opportunity to see how collecting accurate data in a systematic manner while completing an epidemiological investigation can assist in making disease response strategy decisions.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Ukraine	19 August 2012 to 26 August 2012 Wildlife Disease and Feral Management US Based Workshop (\$56,066.00)	USDA/FAS and USDA/APHIS conducted a wildlife disease surveillance training in Ft. Collins, Colorado and San Antonio, Texas for six Ukrainian veterinarians. Participants developed knowledge of wildlife disease management practices and gained field experience in conducting wildlife disease surveillance activities. These skills are particularly important for Ukraine in addressing wildlife diseases such as African swine fever (ASF) in wild porcine/feral swine. This training also served to enhance relationships between USDA and Ukrainian scientists addressing threats to agriculture and human health posed by diseases carried by wildlife through the implementation of science based internationally-compatible SPS measures.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Iraq	1 May 2010 to 30 September 2012 Building up the Iraqi Red Meats Association (IRMA) and Iraqi Veterinary Medical Syndicate (IVMS) (\$130,000.00)	USDA/FAS provided numerous animal health trainings to veterinarian members of the Iraqi Veterinary medical Syndicate (IVMS) and the Iraqi Red Meats Association (IRMA) through video teleconferencing capabilities in collaboration with instructors from Michigan State University. These trainings were designed to develop private veterinarians' technical and management skills in order to reduce the prevalence of key animal diseases in Iraq.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov

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Animal Health	Iraq	18 February 2012 to 3 March 2012 Iraqi Veterinary Medical Education & National Practitioner Testing Practices (\$117,700.00)	USDA/FAS in collaboration with Texas A&M University, led a delegation from the Iraqi Veterinary Medical Syndicate (IVMS); the Iraqi national professional veterinary association, on a study tour of key institutions in the veterinarian community to further their ability to implement a national veterinarian certification examination and improve educational opportunities for veterinarians in Iraq. FAS is providing the Iraqi Veterinary Medical Syndicate (IVMS) knowledge necessarily to successfully implement a national veterinary examination and improve veterinary services to Iraq's livestock populations.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Pakistan	25 August 2011 to 31 December 2014 SPS Distance Learning (\$1,855,000.00)	This project resulted in the delivery of a number of training courses designed to increase the technical capacity of Pakistan's animal and plant health officials and scientists. The project utilized CABI facilities in Rawalpindi, Pakistan to host training sessions and US land grant university, APHIS and CABI Subject Matter Experts (SMEs) to develop training modules. Texas A&M University led a university consortium to collaborate with CABI, USDA, the government of Pakistan, and other project implementation partners to develop training modules that address the needs of Pakistan's animal and plant health officials.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Pakistan	20 July 2012 to 3 August 2012 Diagnostic Laboratory Network Course (\$45,000.00)	This project sent Pakistani officials to a USDA/APHIS sponsored Diagnostic Laboratory Network Course in Ames, Iowa. It was designed to increase the technical capacity of Pakistan's animal and plant health officials and scientists in regards to SPS issues and Animal Health.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Pakistan	15 August 2011 to 31 January 2013 FMD: LIMS & Bio-surveillance (\$857,908.00)	This project was implemented collaboratively by USDA and Texas A&M University to engage the National Center for Foreign Animal and Zoonotic Diseases (FAZD) on a project that developed and implemented a Laboratory Information Management System and bio-surveillance system to collect and analyze data on foot and mouth disease in Pakistan.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov

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Animal Health	Pakistan	1 August 2012 to 30 September 2015 Peste des Petits Ruminants (PPR) Control Program (\$1,680,000.00)	This project addressed the increasing problem of Peste des Petits Ruminants (PPR) that affects mainly goats and sheep in Pakistan and increased the technical capacity of Pakistan's animal and plant health officials and scientists regarding PPR. It utilized previously established systems from the Laboratory Information Management Systems project that was created to combat Foot and Mouth Disease in Pakistan, capitalizing on the newly existing infrastructure and network.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Peru	2 November 2011 to 17 November 2011 ANIMAL HEALTH: 2011-12 Certificate Program in Epidemiology, Part 1 MX (\$38,550.00)	This was a professional development program for SENASA epidemiologists and laboratory personnel through on-site training activities in different areas in animal health (surveillance and risk analysis + control and eradication of diseases + animal quarantine + diagnostic laboratory) with the assistance of a mentor/advisor in the US	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Peru	29 November 2011 to 1 December 2011 Peru Transboundary Animal Disease Workshop (\$17,000.00)	USDA conducted a transboundary animal disease (TAD) course in Lima for Peruvian veterinary officials, laboratory personnel, private veterinarians and livestock producers under the Ministry of Agriculture's National Agricultural Health Service (SENASA). The training strengthened veterinary capacity to identify animal diseases that affect both animal and human health in country, and ultimately impact domestic and foreign agricultural trade.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Peru	16 April 2012 to 19 April 2012 Peru Epidemiology and Diagnosis of CSF Workshop (\$13,000.00)	USDA conducted a workshop to strengthen the epidemiology and diagnostic capacity of <i>Servicio Nacional de Sanidad Animal del Peru</i> (SENASA) veterinary services in the area of classical swine fever (CSF), which ultimately impacts domestic and foreign agricultural trade. This activity is part of the USAID-funded Peru Trade Capacity Project (PTCP) and implemented by USDA.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Peru	11 July 2012 to 20 July 2012 Biosafety and Biosecurity Training Course (\$9,000.00)	A Peruvian Participant was sent to the 9 th Annual Biosafety and Biosecurity training course in Fort Collins, CO. The participant to conducted an internal evaluation of the strengths and limitations of SENASA's laboratory capacity in reference to the biosecurity aspects of the Diagnostic Center in Lima and to present the corresponding recommendations.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov

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Animal Health	Serbia	1 October 2011 to 7 October 2011 Serbia Livestock Animal Welfare Workshop (\$29,000.00)	The USDA FAS Animal Health for Serbia program provided successful input to animal welfare and shelter development efforts in Serbia. This activity provided a 2½ day training program for the Faculty of Veterinary Medicine and the Veterinary Directorate. Program content included comparisons of US, Canadian, and European Union approaches to livestock animal welfare regulation. Examples of field assessments were presented. Participants conducted an actual assessment of a Serbian dairy farm and their group reports were critiqued by program experts.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Serbia	9 January 2013 to 15 April 2013 Distance Learning Biostatistics Veterinary Epidemiology Course (\$40,000.00)	USDA's Foreign Agricultural Service (FAS) in partnership with the Iowa State University's (ISU) College of Veterinary Medicine hosted a distance learning course on veterinary epidemiology. This course provided Serbian veterinarians with knowledge of contemporary topics for veterinary epidemiologists; including disease prevalence reporting, surveillance, causal inference, data collection, analysis and design, bias control and projection development.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Serbia	22 May 2012 to 24 May 2012 Joint Risk Analysis Training Workshop Part 1 (Animal Health & Food Safety) (\$22,000.00)	Phase I of this program addressed the following: The terminology, concepts and techniques used in risk analysis; What is Risk Assessment; What is Risk Management; What is Risk Communication; How a risk analysis unit is formed and what measures need to be put into place; and the process of weighing policy alternatives to control risks as effectively as possible. Phase II addressed the following; The Process of implementing a Risk Analysis unit; The basics of the type of models used; The tasks and issues associated with risk management and risk communication; and the quantitative methods available to describe what is observed.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov

Sector	Provided To	Date, Title, Budget	Activity Summary	Contact
Animal Health	Serbia	24 September 2012 to 28 September 2012 Joint Risk Analysis Training Workshop Part 2 (Animal Health & Food Safety) (\$16,984.00)	USDA's Foreign Agricultural Service (FAS) worked with the Republic of Serbia to develop the capacity to perform risk analysis in animal health and food safety and assisted in the development of a Risk Analysis Team as part of their Ministry of Agriculture, Forestry and Water Management (MAFWM). As part of that effort, there was a risk assessment course held in Fort Collins, Colorado. The participants were primarily from the government of Serbia, and were analysts selected to form the core of the new risk analysis group.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Serbia	17 September 2012 to 19 September 2012 PADRAP Workshop (\$12,000.00)	The purpose of the Production Animal Disease Risk Assessment Program (PADRAP) workshop was to provide participants with an introduction to the program, as well as introduce participants, through data collection and survey development, to PRRS risk assessments for breeding pig herds. This workshop also included practical experience by visiting a live swine farm. This project was funded by the United States Department of State's (DoS) Assistance for Europe, Eurasia and Central Asia (AEECA) and is in collaboration with Iowa State University (ISU).	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Russian Federation	1 March 2012 to 30 March 2012 Scientific Exchanges Russia (Chvala + Andriyasov) ARS/SPRL (\$15,438.33)	Two Russian Scientific Exchange Scholars were hosted at the Southeast Poultry Research Lab/ARS to study Avian Influenza advanced diagnostics and biosecurity/biosafety. This exchange supports the on-going engagement between ARS and Russian scientists under the Department of Defense's Defense Threat Reduction program to address especially dangerous pathogens.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Russian Federation	3 February 2012 to 25 March 2012 Scientific Exchanges Ukraine (Bolotin) ARS FY12 (\$27,558.85)	USDA hosted a scientific exchange scholar from Russia. The Scholar learned how to characterize 18 Newcastle disease virus (NDV) isolates obtained from waterfowl samples in Ukraine using sequencing and phylogenetic analyses. Partial sequences of NDV fusion genes were produced and analyzed to determine the genotype and to predict the virulence of the circulating viruses.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov

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Animal Health	Russian Federation	1 March 2012 to 31 March 2012 Scientific Exchanges Russia (Andriyasov) ARS FY12 (\$4,809.04)	A Russian professor was hosted at the Southeast Poultry Research Lab/ARS to study Avian Influenza (and possibly Newcastle) advanced diagnostics and biosecurity/biosafety. This exchange supported the on-going engagement between ARS and Russian scientists to address especially dangerous pathogens.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Uganda	11 June 2012 to 15 June 2012 East African Regional Biosurveillance Workshop (\$7,000.00)	USDA animal health technical experts and program staff attended the East African Regional Biosurveillance Workshop, Kampala, Uganda organized by the Department of Defense's Defense Threat Reduction Agency.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Egypt	10 August 2012 to 17 August 2012 Egypt FMD Vaccine/Diagnostics Assessment (\$8,868.43)	APHIS subject matter experts provided technical assistance for vaccines and diagnostics in regards to the current FMD outbreak in Egypt. Training included: 1. Vaccine manufacture and production, including assessing capacity of current equipment and combining many serotypes in a polyvalent (not a trivalent) vaccine (Egypt has now 3 subtypes of A, 3 subtypes of O, plus SAT2 and the potential of the introduction of SAT1 and Asia 1), and 2. Vaccine quality assurance and control.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Russian Federation	3 December 2011 to 10 December 2011 ARS Russia Trip (\$3,718.20)	A USDA/Agricultural Research Service team of animal health scientists visited Moscow, Pokrov, and Vladmir, Russia and met with Russian officials to identify potential scientific research projects under USDA's Defense Threat Reduction Agency Funded program.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health	Antigua and Barbuda	15 September 2012 to 29 September 2012 APHIS International Transboundary Animal Disease Course (\$7,500.00)	The USDA/Foreign Agricultural Service's Cochran Fellowship Program provided International Transboundary Animal Diseases training to one Fellow from Antigua and two Fellows from Ecuador conducted by the USDA Animal and Plant Health Inspection Service (APHIS) in Plum Island, NY. The training covered laboratory and field techniques related to exotic animal disease diagnostics and emergency response to disease outbreaks that occur in livestock and poultry. The goal of this training was to assist veterinarians in identifying exotic diseases and maintaining superior standards in animal health.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov

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Animal Health	Ecuador	15 September 2012 to 29 September 2012 APHIS International Transboundary Animal Disease Course (\$15,000.00)	The USDA/Foreign Agricultural Service's Cochran Fellowship Program provided International Transboundary Animal Diseases training to one Fellow from Antigua and two Fellows from Ecuador conducted by the USDA Animal and Plant Health Inspection Service (APHIS) in Plum Island, NY. The training covered laboratory and field techniques related to exotic animal disease diagnostics. The goal of this training was to assist veterinarians in identifying exotic diseases and maintaining superior standards in animal health.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Animal Health	Mexico	16 January 2012 to 20 January 2012 Exotic Newcastle Disease (\$5,850.00)	The USDA/Foreign Agricultural Services' (FAS) Cochran Fellowship Program provided training in Exotic Newcastle Disease (END). The training course was conducted by the National Veterinary Services Laboratories (NVSL) of the Animal and Plant Health Inspection Service (APHIS). The course focused on practical laboratory training for the production and quality control evaluation of avian influenza (AI) and avian paramyxovirus type-1 (APMV-1) real time RT-PCR (rRT-PCR) proficiency tests. The purpose of the training program was to provide hands on training on specimen preparation, proficiency panel composition, proficiency panel quality control evaluation, and evaluation of proficiency panel rRT-PCR test results.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Animal Health	Trinidad and Tobago	26 August 2012 to 8 September 2012 APHIS Veterinary Epidemiology (\$5,100.00)	Cochran Fellowship Program sponsored a Senior Veterinary Officer on a Program in Veterinary Epidemiology held in Fort Collins, Colorado in collaboration with the Animal Plant Health Inspection Service (APHIS), Colorado State University (CSU) and the Association of Veterinary Epidemiology and Preventive Medicine (AVEPM), this course was designed to provide veterinarians with the basic skills and concepts in epidemiology with an emphasis on the role of this discipline in national animal health programs.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov

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Animal Health	China	1 October 2011 to 30 September 2012 China Twinning (\$70,000.00)	In FY 2012, three activities took place in accordance with the plan between agreed to by USDA, China and the OIE: first, a combined training on qualitative and quantitative risk assessment occurred in February 2012, second, CAHEC trainers will assist CEAH in implementing the APHIS Introduction to Risk Analysis for Animal Health course in May 2012, third, initiate planning to provide training on spatial epidemiology and begin collaborative work on a risk assessment that CAHEC selects. Note that partial costs are reimbursed through a cooperative agreement with the OIE.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Pakistan	28 September 2011 to 5 October 2011 Pakistan visit USAHA (\$40,000.00)	Five Pakistani scientists and government officials to the US Animal Health Association's (USAHA) 115 th annual convention in Buffalo, NY. The delegates learned about the US animal health system, and met with an Iraqi delegation. The delegations attended presentations by federal and state animal health officials on the effective partnership relations between Federal, State and private sector stakeholders in the US animal health sector.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Malaysia	3 April 2012 to 12 April 2012 Biorisk Mgt. Training (\$55,000.00)	This workshop was held for laboratory personnel either for diagnostic or research in the area of Animal Health. The workshop covered theory and practical of principle, practice of biosafety and biosecurity, biosafety international standard, laboratory risk assessment, biosafety in the animal facility, biosafety containment equipment, waste management, decontamination, shipping biological material, emergency preparedness, testing and calibration of biosafety cabinet in VRI.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Brazil, Egypt, Iraq, Israel, Kazakhstan, Kenya, Korea, Republic of, Mexico, Panama, Russian Federation, Tajikistan, Tanzania, Uganda, Ukraine	14 May 2012 to 18 May 2012 Risk Analysis Animal Health (\$90,000.00)	Risk Analysis for Animal Health Course, USDA/CEAH - Participants learned skills to conduct a qualitative risk assessment and were introduced to the fundamentals of risk analysis, and its use in decision-making from the perspectives of both risk managers and technical risk analysts. Participants were introduced to OIE guidelines for qualitative risk analysis and how risk analysis techniques are used to help design programs for control of domestic animal diseases and to handle trade issues. A brief introduction to quantitative risk assessment was provided.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Animal Health	India, Iraq, Kazakhstan, Kenya, Russian Federation, Tajikistan, Tanzania, Uganda, Ukraine, Pakistan	23 July 2012 to 3 August 2012 Diagnostic Laboratory Course (\$80,000.00)	Diagnostic Laboratory Network Course - APHIS International Services in conjunction with Veterinary Services – Professional Development Staff and the National Veterinary Services Laboratory developed an International Diagnostic Laboratory Network Training as a means to standardize laboratory testing methods, streamline communications between regional and central/reference laboratories in order to efficiently process diagnostic requests and share information. The 2 nd annual course in FY 2012 had 16 participants from South Asia, the Middle East, East Africa, and the Former Soviet Union.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Brazil, Egypt, India, Indonesia, Kenya, Malaysia, Mexico, Philippines, Russian Federation, South Sudan, Tanzania, Thailand, Trinidad and Tobago, Tunisia, Uganda, Viet Nam, Yemen	27 August 2012 to 7 September 2012 Veterinary Epidemiology Course (\$110,000.00)	Veterinary Epidemiology Course, CEAH - This course, in collaboration with Colorado State University, is designed to provide veterinarians with basic skills and concepts in epidemiology with an emphasis on the role of this discipline in national animal health programs. An emphasis on highly contagious animal diseases and important transboundary diseases such as highly pathogenic avian influenza (HPAI) and Foot and Mouth Disease which continue to be significant threats to animal health in regions around the world. The FY 2012 course had 24 participants from various developing countries.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Animal Health	Global	15 September 2012 to 29 September 2012 International Transboundary Animal Disease Course (\$90,000.00)	International Transboundary Animal Disease course combines classroom and laboratory exercises enabling participants to first review the etiology of the specific transboundary animal disease being studied. During the two weeks of the course, participants conduct clinical examinations of animals inoculated with selected transboundary animal diseases (TADs) and later perform full necropsies under the direction of USDA foreign animal disease experts. This experience of observing the clinical symptoms and then conducting hands on necropsies provides the most comprehensive and practical way to study these diseases. APHIS hosted 28 veterinary officials at the PIADC, an agricultural biosecurity level 3 facilities, which involves strict security protocols for entry and exit from Plum Island and the biosecure laboratories located at Orient Point, NY.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	East Africa Region	9 June 2012 to 16 June 2012 Biosurveillance Workshop (\$30,000.00)	Regional Biosurveillance Workshop - Uganda. The general purpose of the Regional Bioengagement Workshop in East Africa was to provide a forum in which African partners and Department of Defense leaders, in coordination with other US Government Departments and Organizations, discussed the importance of a regional approach to bioengagement and to identify possible engagement opportunities in the human-animal areas under the One Health approach.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Kazakhstan	19 June 2012 to 22 June 2012 Veterinary Epidemiology Training Kazakhstan (\$21,263.00)	Kazakhstan Veterinary Epidemiology Training - USDA implemented a trade capacity building program to strengthen Kazakhstan's capacity to comply with World Organization for Animal Health guidelines for surveillance, detection, diagnosis and reporting of notifiable diseases. Kazakhstan technical level government personnel have already taken basic veterinary epidemiology trainings.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Animal Health	Ukraine	19 August 2012 to 25 August 2012 Ukraine Table Top (\$45,503.00)	Ukraine Table Top Exercise - a total of two VS subject matter experts (SMEs) implemented a Table Top Exercise in Kyiv, Ukraine. VS SMEs were requested from the National Center for Animal Health Emergency Management. The objective of the activity was to use the exercise as a tool that can identify gaps and strengths in planning, policy making, and capabilities in the Ukraine veterinary infrastructure. Specifically, Ukraine veterinary officials want to assess their current veterinary epidemiological processes for animal disease prevention and control.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Ukraine	20 August 2012 to 21 August 2012 African & Classical Swine Fever Diagnostic Training (\$1,230.00)	African and Classical Swine Fever Diagnostic Training - VS/ FADDL provided an SME to speak on African Swine Fever (ASF) and Classical Swine Fever (CSF) diagnostics at a meeting in Ft. Collins, CO hosted by VS Wildlife Services for Ukrainian scientists. This was a follow up to a recent visit to the Ukraine to assess ASF and CSF in feral swine populations inhabiting the regions of the Ukraine bordering the Russian Federation	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Afghanistan	14 September 2012 to 16 September 2012 Afghanistan Table Top (\$8,339.00)	Afghanistan Table Top Exercise Sandia labs organized a table top like exercise in Turkey to determine outbreak procedures in Afghanistan's public and animal health sectors in support of DTRA's Afghanistan mission. Sandia Labs used two SME's for epidemiology, regulatory medicine, and diagnostic medicine. The scenarios were PPR (animal), CCHF (public health), and brucellosis (zoonotic). It was a three day event. Day one they split up animal and public health and worked through their scenarios. Day two each group presented their scenarios and identified gaps; then they formed one group and began to work through the zoonotic scenario.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Animal Health	Russian Federation, Kazakhstan, Ukraine	25 September 2012 to 28 September 2012 FSU Scientific Review (\$22,935.00)	Former Soviet Union Scientific Review - The objective of the program is to inform countries of the FSU of the current scientific research that is being conducted in their regions. The CBEP Science Review is hosted annually by the Defense Threat Reduction Agency (DTRA). The theme for the 2012 CBEP Science Review is "One Health – A Multidisciplinary Approach to Develop Regional Partnerships and Enhance Global Bio surveillance". This year's Review and workshop sessions will be organized around six topic areas: Preventative Strategies and Countermeasures, Pathogen Characterization, Microbial Ecology in Public Health Context, Assay Adaptation and Optimization, Detection Assay/Platform Development Support, and Bio-surveillance.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Ukraine	27 February 2012 to 2 March 2012 Veterinary Epidemiology Training \$29,620.00)	Ukraine - Veterinary Epidemiology Training - two VS subject matter experts implemented a Veterinary Epidemiology workshop in Kyiv, Ukraine. The workshop focused on surveillance and outbreak response capabilities regarding new introductions of, or endemic animal diseases. Participants analyzed and interpreted field data and laboratory results and used economic principles in animal health.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Animal Health	Tanzania	29 July 2012 to 5 August 2012 Tanzania Table Top (\$10,672.00)	An APHIS SME was sent to Tanzania to participate in a table top exercise on zoonotic emergency disease response preparedness. The exercise used rift valley fever virus as the test disease event. The Tanzania Department of Health, Department of Agriculture, wildlife authority, and military representatives are expected to participate. Representatives from the US DOD, CDC, and USDA attended. There were break out groups during the exercise for animal health SMEs and epidemiology SMEs. The USDA SME was expected to observe the exercise and provide feedback on coordination between the Tanzania government ministries from a one-health approach.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Chile	1 October 2011 to 30 September 2012 Aquaculture Disease Control (\$15,000.00)	The National Surveillance Unit at the APHIS Centers for Epidemiology and Animal Health (CEAH) is supporting a Department of State funded project under the US-Chile Joint Commission for Environmental Cooperation. The Evidence Based Disease control in Salmon Aquaculture project is ongoing. The purpose of the project is to reduce the impact of diseases on Chile's aquatic animal resources through enhanced disease detection and response. Five Chilean team members travelled to CEAH in May 2012 for a six-day workshop.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Animal Health	Serbia	21 May 2012 to 25 May 2012 Serbia Risk Analysis Training (\$4,300.00)	<p>The objective of this activity is to strengthen Serbia's ability to comply with the requirements of the SPS Agreement through training on Risk Analysis. USDA focused on strengthening mid-level manager's analytical ability in risk assessment, disease surveillance and related activities.</p> <p>Phase I of this program addressed the following: terminology, concepts and techniques used in risk analysis, defining risk assessment, defining risk management, defining risk communication, explaining how a risk analysis unit is formed, and what measures need to be put into place, and the process of weighing policy alternatives to control risks as effectively as possible. Phase II addressed: the process of implementing a risk analysis unit, the basics of the type of models used, the tasks and issues associated with risk, management and risk communication; and the quantitative methods available to describe what is observed.</p>	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Haiti	15 April 2012 to 4 September 2012 Swine Disease (\$16,000.00)	<p>Activity 1 : Subject matter experts from APHIS VS participated at the following meetings related to Swine Diseases and Classical Swine Fever (the meetings were held in Port au Prince, Haiti): 1) CSF-GFTAD-FAO meeting (1 day); 2) Swine Diseases Working Group Meeting of the CaribVET (2 days) and; 3) CSF Senior Review Meetings (2 days).</p>	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Chinese Taipei	1 October 2011 to 1 August 2012 Wildlife Disease (\$19,000.00)	<p>Activity 1: The Animal Health Research Institute of Chinese Taipei (AHRI), the equivalent to NVSL, Council of Agriculture, sent two researchers to learn techniques and skills of detection of zoonoses in wildlife animals to build capacity in surveillance and diagnosis of transmissible spongiform encephalopathies in wildlife animals in Chinese Taipei. Chronic wasting disease (CWD) and bovine spongiform encephalopathy (BSE) were used as topics to learn diagnostic and surveillance techniques. The researchers spent two weeks in training, one week for CWD related techniques, and one week for BSE techniques and methods; Activity 2: Chinese Taipei's Council of Agriculture, Animal Health Research Institute (AHRI), held an international conference on</p>	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Animal Health	Japan	14 November 2011 to 7 March 2012 Veterinary Biologics Harmonization (\$26,000.00)	transmissible spongiform encephalopathy (TSE) in November 2011. AHRI invited a speaker from APHIS to give a lecture on surveillance and diagnosis of chronic wasting disease (CWD). Activity 1: CVB, Director of Policy, Evaluation and Licensing, attended the 26 th VICH Steering Committee meeting held in Tokyo, Japan. VICH is an international harmonization effort principally between the United States, Japan, and the European Union. Other countries, such as Canada, New Zealand, and Australia are official observers and adopt VICH guidelines that serve as standardized methods across regions. The CVB is part of the US delegation representing the USDA on the VICH Steering Committee on issues related to veterinary biologics; Activity 2: APHIS and ARS each sent one technical expert to the International Symposium on Control of Transboundary Animal Infectious Diseases in Sapporo, Japan on 3 and 4 February 2012.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Thailand	18 January 2012 to 10 May 2012 Bio Risk Management (\$23,000.00)	Activity 1: From 18–20 January 2012, the Thai National Institute of Animal Health (NIAH) organized the Workshop on Laboratory Bio risk Management in Bangkok. The workshop was attended by 42 Thai participants including veterinarians and scientists from NIAH, seven Regional Veterinary Research and Development Centers, the OIE Regional Reference Laboratory for Foot and Mouth Disease in South East Asia in Pakchong, and the Bureau of Quality Control of Livestock Products. Two technical experts from the Department of Medical Sciences, Ministry of Public Health conducted the workshop. Participants gained a practical understanding of how to implement bio risk management strategies to minimize risks of infections through safe and secure practices in laboratories; Activity 2: APHIS Bangkok facilitated the donation of 50 copies of the "Illustrated guide to Poultry Necropsy and Diagnosis" to the Thai National Laboratory and the Thai Regional Laboratories. Activity 3: APHIS	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Animal Health	Uganda	27 November 2011 to 30 November 2011 Emergency Mgt Practices (\$8,900.00)	APHIS was invited to participate at the Good Emergency Management Practice (GEMP) workshop in Entebbe, Uganda, 27-30 November 2011. APHIS facilitated at the workshop and previously worked with the CMC to design the training. Representatives from Ethiopia, Kenya, Rwanda, Tanzania, Uganda, the OIE, AU-IBAR, AFENET, EPT/RESPOND, USDA, and USAID attended the workshop. Participants addressed the following topics at the workshop, introduction to GEMP, command and management structures, planning and preparedness, key elements of response, recovery, and implementing GEMP principles.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Mali (W. Africa Region)	12 December 2011 to 16 December 2011 W. Africa Laboratory Strengthening (\$17,000.00)	The meeting was held at the Central Veterinary Laboratory in Bamako, Mali. There were 96 participants from 23 countries as well as FAO-ECTAD Tunis, Nairobi, and Bamako, USDA-APHIS-IS, USAID, and Texas A&M University. The meeting was an opportunity to present the epidemiological situation of major animal diseases in the region compared to information from OIE (Wahid) and FAO (Empres-i). Major diseases discussed were PPR, FMD, Newcastle Disease, African Swine Fever, and Rabies. Participants proposed the institutionalization and anchoring of RESOLAB to a regional institution. APHIS and FAO-ECTAD planned to implement joint capacity building programs in January 2012, "Calibration" in Dakar, Kinshasa and Nigeria and "Calibration & Basic Metrology" in Banjul, The Gambia. DRC, Côte d'Ivoire, Niger, Senegal, Nigeria and Mali agreed to participate in validation studies on real-time PCR assays for Lumpy Skin Disease and Contagious Bovine Pleuropneumonia proposed by USDA/APHIS, Proficiency and Validation Services Section, Plum Island.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Cape Verde	12 February 2012 to 16 February 2012 TAD consultations (\$9,000.00)	Two representatives from APHIS Dakar, Senegal, and the USAID SPS Advisor in Dakar provided technical expertise to the Cape Verde Minister of Agriculture on Transboundary Animal Disease issues, in particular African Swine Fever. The technical experts assessed the Cape Verde veterinary services capability to response to transboundary animal disease events.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Animal Health	Kenya	20 March 2012 to 14 July 2012 Veterinary Biologics (\$20,000.00)	Activity 1: A representative from the Center for Veterinary Biologics (CVB) attended the Regional Seminar for OIE National Focal Points for Veterinary Products in Mombasa, Kenya. This seminar is part of a global program of capacity building for OIE Delegates and OIE National Focal Points. The seminar provided participants with knowledge on the OIE activities linked to veterinary products, the rights and responsibilities of OIE Delegates and their national Focal Points, the rights and obligations of OIE Members in trade, and several other aspects relevant for the production and use of veterinary products.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	The Gambia (W. Africa Region)	9 July 2012 to 13 July 2012 Animal Disease Surveillance (\$17,000.00)	The absence of a harmonized regional management of surveillance and control of the major TADs, the need to sustain epidemi-surveillance systems and the existence of a Regional Animal Health Centre (RAHC) at Bamako in charge of coordinating all initiatives regarding animal diseases in the region participated to the creation the Regional Network of National Epidemiosurveillance Systems for HPAI and other Priority Animal Diseases in West Africa (RESEPI).	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Burkina Faso (W. Africa Region)	10 September 2012 to 14 September 2012 Safeguarding (\$30,000.00)	The workshop was organized by USAID in collaboration with USDA-APHIS-IS. The program aimed to strengthen the capacity of border veterinary services to ensure safe trade of animal goods in implementing science based rules and principles relating to inspection and certification enacted by the OIE and WTO. The Presentations and demonstrations focused on International principles and rules regarding Inspection and certification, Country experiences, US Experience, visits and demonstrations at Paga border and the Airport of Ouagadougou and the Harmonization program of veterinary certificates for poultry and poultry products in West Africa implemented by FAO/ECTAD.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Animal Health	Kazakhstan	11 November 2011 to 19 November 2011 OIE Twinning Kazakhstan (\$15,000.00)	FAS collaborated with APHIS and partners from the Food and Agriculture Organization of the United Nations (FAO) and the World Organization for Animal Health (OIE) to create a twinning partnership between the National Veterinary Center (NVC) in Astana and an existing OIE reference laboratory for Brucellosis in Italy. APHIS traveled to Astana to assist Kazakhstan with the OIE application process to create a formal "twinning" arrangement. The process is overseen by the OIE. The international laboratory partner will collaborate with NVC to enhance diagnostic capacity and expertise, with a particular focus on Brucellosis.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Saint Lucia (East Caribbean Region)	11 March 2012 to 17 March 2012 FMD Outbreak Simulation (\$12,000.00)	On 22 March, the Caribbean Regional Foot and Mouth Disease Outbreak Simulation Exercise was successfully completed. Participant countries/territories included Antigua and Barbuda, Barbados, Dominica, Dominican Republic, Grenada, Haiti, Puerto Rico and the USVI, St. Lucia, St. Kitts and Nevis, St. Vincent and the Grenadines. The simulation was conducted simultaneously in all participating countries which were linked through web based communication tools. The first scenario involved an outbreak of FMD on one Caribbean island. The second and third scenarios dealt with the spread of FMD in the Caribbean Region and its impacts.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Animal Health	Panama	18 March 2012 to 27 March 2012 Screwworm (\$6,000.00)	The IAEA approached the Screwworm Program in Panama for support with conducting the IAEA Technical Cooperation Project # RAS/5/054 "Contributing to the Assessment of the Feasibility of SIT Based Area wide Integrated Management of Old World Screwworm (OWS) Flies in the Middle East." The objective of the Workshop was to exchange information on the current status of OWS fly infestation and measures taken to control OWS in infested Member States, and measures to prevent OWS introduction endangered Member States. Participants also learn the principals of planning, managing and implementing a large area wide New World Screwworm (NWS) fly eradication and prevention program in order to discuss how the principals and technology employed by the NWS program may be applicable in the Middle East region.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Peru	22 May 2012 to 25 May 2012 Safeguarding Training (\$6,700.00)	NVSL-FADDL, was invited to teach a foreign animal diseases training course entitled "Quarantinable Diseases", held in Piura, Peru. This course, sponsored by the SENASA branch of the Peruvian Ministry of Agriculture, provided training to Animal Quarantine workers for the government of Peru. Topics covered included FMD, Vesicular Stomatitis Virus, Swine Vesicular Disease, CSF and ASF.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Ukraine	30 July 2012 to 3 August 2012 Disease Diagnostics (\$4,600.00)	A Diagnostician from Foreign Animal Disease Diagnostic Laboratory (FADDL), participated in a fact finding mission to Kiev, Ukraine, to survey African Swine Fever and Classical Swine Fever distribution among the wild pig population inhabiting the regions of Ukraine bordering the Russian Federation.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Animal Health	Guyana	8 September 2012 to 13 September 2012 Lab Diagnostics (\$3,400.00)	CaribVET network aims to improve the animal health and the quality and safety of animal products throughout the Caribbean. Members of the network include veterinary services, veterinary laboratories, government agencies, research institutes, farmers' associations, NGOs and universities mainly from the Caribbean but also from North, Central or South American countries. CaribVet is organized in several working groups including the "Laboratory diagnostics and quality assurance and Diagnosis Working Group (Lab WG)". The second meeting of the Lab. WG meeting was held on 12 September 2012 following the Final workshop of FAO TCP H1N1 surveillance project. APHIS-NVSL has been active in the Lab Working Group, which is composed of officials of several countries of the Caribbean. The terms of reference of the "Assurance quality and diagnostic working group meeting" are: Contribution to the development of the principles of laboratory quality insurance in the region. These training topics included: Organization of inter laboratory assays; Implementation of new diagnostic techniques; Follow up of the laboratory diagnostic capabilities in the region.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Animal Health	Guatemala	17 September 2012 to 21 September 2012 CSF Assistance (\$17,000.00)	On 20 April, Guatemala's CVO sent a letter to APHIS requesting technical assistance in providing Guatemala with CSF vaccines, training and diagnostic support for their CSF control and eradication program. In response, APHIS (having obtained Guatemala's concurrence) sent a group of VS experts from 17-21 September 2012 to evaluate the technical aspects of GUA's CSF program and their eradication and control efforts. The results of this technical visit will help APHIS determine the best course of action in assisting Guatemala with its CSF situation and allow APHIS to assess the feasibility of providing US CSF vaccines for Guatemala's control and eradication program.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Dominican Republic	26 August 2012 to 4 September 2012 CSF Control (\$4,100.00)	CSF control and eradication programs in Haiti and DR, has been in place since 2003 with the technical and financial support of USDA-APHIS. The DR and Haiti CSF programs rely on the technical advice from USDA-APHIS-VS experts. Specific recommendations to improve CSF program's field operations in Haiti and DR, are provided by APHIS experts in the areas of vaccination (quality and quantity), CSF epidemiological surveillance, sample collection procedures and biosecurity. Given the level of "underfunding" of the CSF program in Haiti and the termination of APHIS funding for the DR program, the recommendations provided by APHIS-VS experts are important to identify priority actions and realistic goals for the program in the future. FAS food for progress funds will be available shortly to continue the support to the DR CSF eradication program beyond 2012. At this critical moment, the DR CVO and the Veterinary Services are designing a 2 year plan to complete CSF eradication in the DR.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Animal Health	France	23 September 2012 to 29 September 2012 Vaccines & Diagnostics for TADs (\$11,600.00)	On 17-19 September, the CVB participated and provided presentations at the Vaccines and Diagnostics for Transboundary Animal Disease workshop, held in Ames, Iowa. This workshop focused on state of the art measures related to vaccine and diagnostic tools development for significant transboundary animal diseases. Participants included representatives from industry, government, and academia. The meeting was sponsored by the US Department of Homeland Security, Science and Technology Directorate; Center for Excellence for Emerging and Zoonotic Animal Diseases; Iowa State University Center for Food Security and Public Health/Institute for International Cooperation in Animal Biologics; and the International Association for Biologicals.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Egypt	12 August 2012 to 19 August 2012 FMD Assistance (\$15,000.00)	Per the CVO of Egypt's request through John Clifford, US CVO, the United States sent two specialists to Egypt to assist with the response to the Foot and Mouth Disease outbreak. They specifically made an assessment of Egyptian capacity for diagnosis (laboratory) of Foot and Mouth Disease, production of polyvalent vaccines, and quality control of these vaccines. Egypt has recently initiated work on development/production of a polyvalent vaccine. The US APHIS team helped provide guidance as the Egyptians moved forward with this. CBV was recommended for this mission.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Afghanistan	22 May 2012 to 28 September 2012 Poultry Assistance (\$3,000.00)	An Army CTS, a group of female soldiers who work with Special Operations Forces in remote locations to address local needs, is examining the possibility of developing a poultry farm in cooperation with a local farmer. Poultry farming has been identified as a sustainable source of revenue in the area. The team requested a subject matter expert provide technical expertise on raising small chicken farms. The ITRCB Animal Health Program Manager is consulting with in country personnel on this activity	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Animal Health	Lao People's Democratic Republic	31 January 2012 to 2 February 2012 Zoonoses & Public Health (\$2,000.00)	APHIS supported the instructor at Workshop on Zoonoses and Public Health Response. The workshop on Zoonoses and Public Health Response was held in Savarnakhet, Laos. It was organized by Kenan Institute Asia under the USAID-funded Greater Mekong Sub-region Responses to Infectious Diseases Project. There were 72 participants including provincial and district level public health officials and animal health officials from Savarnakhet, Laos, and Mukdaharn, Thailand. The participants learned basic knowledge and understanding of zoonotic diseases endemic in the region and response to public health events. A representative from APHIS Bangkok presented on parasitic zoonoses and facilitated a group exercise.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Korea, Republic of	10 January 2012 to 13 January 2012 Equine Diseases (\$2,800.00)	NVSL hosted Dr. Jung Yong Yeh from the Animal Plant & Fisheries Quarantine & Inspection Agency, Anyangsi, Gyeonggido, Republic of Korea. The purpose of this visit was to collaborate with NVSL on equine infectious diseases, and to receive training on NVSL's Equine Viral Arteritis viral neutralization assay.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Multi national	17 September 2012 to 19 September 2012 Vaccines & Diagnostics for TADs (\$6,000.00)	On 17-19 September, the CVB participated and provided presentations at the Vaccines and Diagnostics for Transboundary Animal Disease workshop, held in Ames, Iowa. This workshop focused on state of the art measures related to vaccine and diagnostic tools development for significant transboundary animal diseases. Participants included representatives from industry, government, and academia. The meeting was sponsored by the US Department of Homeland Security, Science and Technology Directorate; Center for Excellence for Emerging and Zoonotic Animal Diseases; Iowa State University Center for Food Security and Public Health/Institute for International Cooperation in Animal Biologics; and the International Association for Biologicals.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Animal Health	Multi national	19 September 2012 to 21 September 2012 Vaccine Testing (\$6,000.00)	On 19-21 September, the CVB hosted the International Workshop on Alternative Methods for Leptospira Vaccine Potency Testing: State of the Science and the Way forward, at the National Centers for Animal Health facilities in Ames, Iowa. The workshop was sponsored by the National Toxicology Program Interagency Center for the Evaluation of Alternative Toxicological Methods, and the Interagency Coordinating Committee on the Validation of Alternative Methods. The agenda focused on scientific review of currently available potency tests, national and international regulatory requirements for such tests, the current hamster Vaccination-challenge model and possible development of in vitro tests for Leptospira vaccines. Funding: Interagency Center for the Evaluation of Alternative Toxicological Methods (Health and Human Services, National Institutes of Health, National Toxicology Program).	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Canada	25 January 2012 to 27 January 2012 TAD Training (\$2,300.00)	One subject matter expert from NVSL participated in the Foreign Animal Disease Recognition Course, hosted by Canada Food Inspection Agency, and held at the National Centre for Foreign Animal Disease Laboratory, Winnipeg, Manitoba. The subject matter expert provided two keynote lectures at this course; "Eastern, Western and Venezuelan Equine Encephalitis and West Nile Virus infections" and "Bluetongue and Epizootic Hemorrhagic Disease". Attendees at the training included veterinarians providing veterinary care for feedlots, dairies, livestock operations and slaughter plants across Canada.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Animal Health	Multi national	11 October 2011 to 13 October 2011 Rabies Testing (\$41,000.00)	On 11-13 October, the CVB hosted the International Workshop on Alternative Methods for Human and Veterinary Rabies Vaccine Testing: State of the Science and Planning the Way Forward at the National Centers for Animal Health. This workshop, organized by the National Toxicology Program Interagency Center for Evaluation of Alternative Toxicology Methods and the Interagency Coordinating Committee on the Validation of Alternative Methods, will bring together international experts from regulatory agencies, academia, and industry to focus on reviewing current methods of rabies vaccine testing and to propose efforts necessary to implement an in vitro rabies potency test. Participants: United States (55), Canada (2), France (4), United Kingdom (1), Germany (3), India (1), Japan (3), Mexico (1), Brazil (2), Switzerland (3), Netherlands (2), Italy (1), Argentina (1), Nigeria (1), Sudan (1).	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Cambodia	10 October 2012 to 14 October 2012 Avian Biosecurity (\$29,000.00)	This 5-day workshop was conducted by three Instructors from the Cambodian National Veterinary Research Institute and APHIS Phnom Penh. The purpose of the training was to provide technical information on Avian Influenza biosecurity best practices for human and animal health. Specific topics included biosecurity for live bird markets, biosecurity for transporters and service providers, biosecurity for poultry slaughter facilities, and risk assessment for poultry production.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Animal Health	Thailand	26 October 2011 to 20 January 2012 Biorisk Mgt. Training (\$27,000.00)	Activity1: The Thai Veterinary Medical Association, collaborating with OIE, FAO and IICA organized the 2011 International Conference on Veterinary Science in Bangkok from 26-28October 2011. At the conference knowledge on animal disease control and food security was shared and discussed. Funds were used to support an APHIS booth at the conference to promote prevention and control of avian influenza in the region. Activity 2: From 18–20January 2012, the Thai National Institute of Animal Health (NIAH) organized the Workshop on Laboratory Biorisk Management in Bangkok. This workshop is one of three collaboration projects between NIAH and APHIS Bangkok. The workshop was attended by 42 Thai participants including veterinarians and scientists from NIAH, seven Regional Veterinary Research and Development Centers, the OIE Regional Reference Laboratory for Foot and Mouth Disease in Southeast Asia in Pakchong, and the Bureau of Quality Control of Livestock Products. The instructors of the workshop were Orn-Anong Ratchtrachenchai and Wattanapong Wutta from the Department of Medical Sciences, Ministry of Public Health.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Brazil (S. America region)	31 October 2011 to 4 November 2011 ICS Training (\$68,000.00)	Workshop held in Brazil to present the application of Incident Command System (ICS) elements in response to animal disease outbreaks to an audience of Veterinary Services of South American countries. Representatives from Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, Guyana, Paraguay, Peru, and Surinam participated. The activity included a poultry disease outbreak response exercise. University of Delaware staff participated in the training. The training enhanced the capability of regional professionals to coordinate a response to animal disease outbreaks applying the principals of the ICS.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Animal Health	Mexico	21 November 2011 to 23 November 2011 Veterinary Epidemiology (\$10,000.00)	APHIS contributed funds to offset costs for the 2011 <i>Congreso Sociedad Iberoamericana de Epidemiología Veterinaria y Medicina Preventiva</i> (SIEVMP), Avian Health session. The conference was an opportunity for SIEVMP attendees to share experiences on animal disease epidemiology, including sanitary status, prevention, control, and eradication techniques, and diagnostic tests. The conference was an opportunity to build capacity in the region, through training courses on state of the art epidemiological techniques in spatial analysis, risk analysis, and data collection and analysis. The SIEVMP included an avian health session focusing on HPAI and the control and prevention of avian diseases. Participants were able to build ties and coordinate actions between researchers and decision makers from across the region. The objective of the SIEVMP is to provide a platform in Latin America to share animal health information in Spanish and Portuguese. This is the only professional society of its kind in the Americas.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Lao People's Democratic Republic	12 December 2011 to 16 December 2011 Risk Analysis Poultry Health (\$32,000.00)	Workshop on risk analysis for poultry health was conducted in Laos. The purpose of the workshop was to build local capacity on risk analysis for poultry health. A total of 60 participants attended the training course, 48 of whom were from nine provincial offices of the Livestock and Fisheries Department (Ministry of Agriculture and Forestry); the remaining participants were from the National Animal Health Center, Ministry of Health.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Animal Health	The Gambia	14 May 2012 to 18 May 2012 TAD Surveillance (\$5,000.00)	This workshop aims to strengthen the capacity of countries to improve surveillance, early detection, prevention and control of six major Transboundary Animal Diseases (TADs), namely: Peste des Petits Ruminants, Rift Valley Fever, Contagious Bovine Pleuropneumonia, Foot-and-Mouth Disease, Newcastle Disease and Highly Pathogenic Avian Influenza. The workshop will be held in Banjul (The Gambia) The content of the workshop is based on practical tools for the surveillance, diagnosis, prevention and control of these diseases. The format consists of a mix of presentations and practical demonstrations of the collection, packaging and processing of specimens at the laboratory. This workshop is designed for epidemiologists and laboratory technicians of five countries (Gambia, Sierra Leone, Liberia, Ghana & Nigeria).	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Viet Nam	23 April 2012 to 24 April 2012 HPAI Prevention (\$4,700.00)	A US Government delegation attended a Technical and Policy Discussion on Prevention and Containment of H5N1 Highly-Pathogenic Avian Influenza in Highly Affected and Neighboring Countries in Ho Chi Minh City, 23 April 2012. The APHIS Southeast Asia Regional representative from Bangkok, Thailand, represented APHIS at the event in Viet Nam.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Global	18 June 2012 to 21 June 2012 Emergency Poultry Disease Response Training (\$89,000.00)	USDA APHIS provided funding to the University of Delaware's Emergency Poultry Disease Response Course. The course focused on three critical aspects of successfully managing poultry disease outbreaks, emphasizes rapid response techniques of depopulation, disposal and decontamination. Experts from the University of Delaware, Poultry Producers and State/Federal Governments addressed cooperation issues and strategic planning to address emergency poultry disease outbreak situations. 16 participants from 16 countries attended, with a focus on African countries.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Animal Health	Caribbean Region	22 July 2012 to 26 July 2012 Poultry Health (\$2,200.00)	The Caribbean animal health network (CaribVET) is a collaboration network among veterinary services, laboratories, research institutes and regional/international organizations to improve animal and veterinary public health in 25 countries and/or territories (English, Spanish and French speaking) of the Caribbean (Gongora et al., 2008). Its specific objectives are to foster exchange of information and collaboration, promote a regional approach for emergency preparedness and diseases control especially for emerging and priority diseases, reinforce regional diagnostic capacities, and strengthen national epidemiological surveillance systems the CaribVET working group continues to developed tools to implement END and AI surveillance in the region: a regional protocol of surveillance and a diagnostic network for the Caribbean. The meeting was held in San Juan, Puerto Rico.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Kenya/Uganda	1 October 2012 to 30 September 2012 ASF Assistance (\$20,000.00)	African Swine Fever work in Uganda and Kenya; data collection is underway by our collaborators. WS extended the ongoing work in Uganda with professors at Makerere University. WS met with cooperators from both countries in Uganda to visit field sites and discuss progress of activities.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	China	1 October 2012 to 30 September 2012 Wildlife Disease Surveillance (\$30,000.00)	Wildlife Disease Surveillance in China is underway with work conducted by collaborators. WS collaborated with the Chinese Academy of Sciences and the Chinese State Forest Administration to sponsor a regional wildlife disease symposium in Suzhou, China on 6 July 2012. WS and CAS conducted a wildlife disease training activity for SFA staff in USA during September. WS participated in the wildlife disease symposium in Suzhou, China. WS met with China CDC to discuss areas for potential collaboration. The work is being directed by collaborators at CSU. Graduate students from Bogor University are completing their findings of surveillance activities for avian influenza in live bird markets.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Animal Health	Indonesia	1 October 2012 to 30 September 2012 Wildlife Disease Surveillance \$0.00	Wildlife Services is conducting wildlife disease surveillance of species moving through markets in Indonesia. This is an ongoing project. Data is being collected by students from Bogor University. The work is being directed by collaborators at Colorado State University	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Mexico	1 October 2012 to 30 September 2012 Wildlife Disease (\$95,000.00)	Wildlife Services is working on wildlife disease issues in Mexico. The primary lead is APHIS/IS in Mexico. WS sent one SME to participate in a bovine TB meeting. Wildlife Services did not have anyone in country during FY12 Q1; to save funds, WS has provided input via teleconference and email	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Cambodia, Indonesia	1 October 2012 to 30 September 2012 Bat Disease Surveillance (\$20,000.00)	Wildlife Services is conducting bat disease surveillance in Cambodia and Indonesia. Data is being collected by collaborators in the respective countries. The work is being directed by collaborators at Colorado State University. Wildlife Services did not have anyone in country during FY12 Q1. To save funds, WS has provided input via teleconference and email. Bat Disease Surveillance is underway in Cambodia and Indonesia. Data is being collected by collaborators in the respective countries. The work is being directed by collaborators at CSU. WS met with cooperators to discuss progress and determine feasibility for conducting surveillance to identify wildlife reservoirs of Chikungunya virus.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Canada, Denmark, Ecuador	1 October 2012 to 30 September 2012 HPAI Surveillance \$0.00	Wildlife Services had contact with collaborators in Canada and Denmark regarding past and upcoming avian influenza work in Canada, Ecuador, and Greenland, respectively, but no data was collected during the first quarter.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Animal Health	Ukraine	1 October 2012 to 30 September 2012 ASF Surveillance (\$60,000.00)	WS is collaborating on two projects in the Ukraine providing training on surveillance for African Swine Fever (ASF) in wild boars. The first is collaborating with FAS to strengthen Ukraine's wildlife management and disease surveillance program, provide WS experts with firsthand experience in control of ASF, promote effective and efficient use of samples, and strengthen existing response system to EDP outbreaks in wildlife. A Ukraine delegation participated in a workshop WS held in Colorado and Texas to exchange information. WS, along with VS, is collaborating on the other project with Southern Research Institute to provide training on sample collection from wild boars and diagnostic procedures. Two WS and one VS SME visited Ukraine to exchange information.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health	Iraq	3 May 2012 to 24 June 2012 2.5 / Iraq VCQ Scientific Exchange (Wazeera) ISU FY12 (\$63,533.79)	In collaboration with Iowa State University and the USDA-APHIS Center for Veterinary Biologics (CVB), one Scientific Exchange scholar from Iraq was trained on Vaccine Quality Control. The goal of the training was to facilitate the Government of Iraq's (Ministry of Agriculture) capacity to screen and monitor vaccines for livestock and companion animals. The Scholar learned to identify methods used to evaluate the potency and safety of vaccines using OIE (Office of International Animal Health) standards; new labeling techniques; the use of live animals or animal models to evaluate the efficacy of a vaccine; and the care and use of live (laboratory) animals.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Animal Health & Plant health	Ghana (W. Africa Region)	5 January 2012 to 22 January 2012 Animal Health Risk Analysis (\$80,000.00)	A visiting researcher worked on the application of plant disease resistance to pathogens at the molecular-level. The collaboration assisted in the development of new diagnostic approaches and safe control mechanisms for plant diseases.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Animal Health and Food Safety	Azerbaijan	1 December 2011 to 31 October 2013 Azerbaijan SPS Technical Assistance (\$158,320.00)	Since 2011 a consultant has been providing SPS technical assistance in Azerbaijan on behalf of USDA/FAS Washington and USDA/FAS Ankara. This will continue through 2013.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov

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Animal Health, plant health, food safety	South Africa	1 June 2012 to 31 December 2012 Southern Africa SPS Coordinators 2012 (\$1,487,827.60)	The SPS Advisors provided technical advice in the design of the Sanitary and Phytosanitary (SPS) Capacity Building Program. The Advisor also lead the implementation of plant health, animal health, and food safety programs and activities managed by USDA and USAID; developed technical agendas for SPS programs in East Africa; applied new and innovative approaches in planning, designing, and evaluated SPS programs; and recommended activities and approaches to advance the accomplishments of the program.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Animal Health, plant health, food safety	The Gambia	4 June 2012 to 8 June 2012 Practical Tools for Surveillance, Diagnosis, Prevention and Control of Major Transboundary Animal Diseases (\$47,433.00)	The purpose of this workshop was to strengthen capacity to monitor, survey, report and rapidly respond to major Transboundary Animal Diseases (TADs) threats and to prevent their spread and the health and economic consequences that they cause. TADs include: HPAI, New Castles Disease, Foot and Mouth Disease, Peste des Petits Ruminants, CBPP and Rift Valley Fever.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	Viet Nam	10 September 2012 to 1 December 2012 Borlaug Viet Nam (G.T. Nguyen) Tuskegee FY12 (\$30,000.00)	A Borlaug Fellow spent 12 weeks at Tuskegee University to conduct research on food safety and risk analysis. The Fellow gained hands-on experience in modern culture methods, PCR methods, learn about microbial risk assessment, risk management and food safety regulations. This program supports FAS Pillar 3 Objective 3.2 to enhance partner countries' capacity for agricultural development and participating in international trade.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Food Safety	Azerbaijan	10 September 2012 to 10 November 2012 Borlaug Azerbaijan (N. Baghirova) Missouri FY12 (\$30,000.00)	One Borlaug Fellow from Azerbaijan worked with a mentor at the University of Missouri-Columbia to study the food safety and quality in rural meat and dairy production.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Food Safety	Ghana	10 September 2012 to 10 December 2012 Borlaug - Ghana (Abubakari, Mutari) UKY FY12 (\$30,000.00)	One Borlaug Fellow from Ghana trained with professors at the University of Kentucky on pesticide residue analysis methodologies, environmental impacts and food safety. During this program, the Fellow attended professional conferences and spent time with researchers at USDA-ARS in Wyndmoor, PA and Beltsville, MD to receive an overview of additional extraction methodologies, policy perspectives and regulatory issues related to food safety.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov

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Food Safety	Malawi	16 July 2012 to 31 July 2014 Borlaug Fellowship Program - Malawi (Mwangwela, Agnes) (\$30,000.00)	The University of Georgia provided a ten week training program for one Borlaug Fellows from Malawi. The training will focus on the management of aflatoxin contamination in the oil seeds (ground nuts) and maize. Through research, conference attendance, and mentoring the fellow will gain a more concrete understanding of technologies and methodologies that enable the effective monitoring of aflatoxin contamination. In addition, the fellow will learn about Sanitary and Phytosanitary (SPS) issues and systems necessary to meet export quality standards regionally and globally.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Food Safety	Rwanda	16 July 2012 to 31 July 2014 Borlaug Fellowship Program - Rwanda (Joelle, Kajuga) (\$30,000.00)	The University of Georgia provided a ten week training program for one Borlaug Fellows from Rwanda. The training focused on the management of aflatoxin contamination in the oil seeds (ground nuts) and maize. Through research, conference attendance, and mentoring the fellow will gain a more concrete understanding of technologies and methodologies that enable the effective monitoring of aflatoxin contamination. In addition, the fellow will learn about Sanitary and Phytosanitary (SPS) issues and systems necessary to meet export quality standards regionally and globally.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Food Safety	China	12 November 2011 to 22 November 2011 Food Safety/Meat Inspection \$0.00	The FAS Cochran Fellowship Program sponsored nine Food Inspection Officers and a Senior Agricultural Specialist on food safety/meat inspection training. The training covered quarantine procedures for clearance of animal and animal products, current regulations on issuing import/exports permits, and implementation of good agricultural practices at farms, slaughterhouses, and processing facilities.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov

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Food Safety	Indonesia	4 August 2012 to 11 August 2012 Biosafety \$0.00	The FAS Cochran Fellowship Program sponsored a Plant Quarantine Inspector on a determination of salmonella and E. Coli EHEC in fresh produce and meat training program. The program was coordinated by University of Maryland at College Park and consisted of lecturers and hands on laboratory analysis using standards and samples. The training program included standard microbiological methods to include safe microbiology lab practices, bacterial isolation, and identification using traditional techniques. The training helped improve Indonesia's regulatory transparency; and facilitated the adoption of science based international standards.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Food Safety	Malaysia	9 September 2012 to 29 September 2012 FSIS Meat and Poultry Inspection Seminar II (\$23,100.00)	The Foreign Agricultural Service's Cochran Fellowship Program sponsored nineteen Fellows from Brazil (5), Dominica (1), Egypt (2), Guatemala (1), Honduras (1), Iraq (2), Jordan (1), Liberia (1), Malaysia (3), Paraguay (1), and Trinidad and Tobago (1) to attend the Food Safety and Inspection Service's (FSIS) Meat & Poultry Inspection Seminar for International Government Officials.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Food Safety	Indonesia	22 September 2012 to 7 October 2012 FDA Lab Training IFSTL Course: Microbiology; Salmonella in Produce and E. Coli in Produce and Meat \$0.00	The FAS Cochran Fellowship Program sponsored a Plant Quarantine Inspector on a determination of salmonella and E. Coli EHEC in fresh produce and meat training program. The program was coordinated by University of Maryland at College Park and consisted of lecturers and hands on laboratory analysis using standards and samples. The training program included standard microbiological methods to include safe microbiology lab practices, bacterial isolation, and identification using traditional techniques. The training helped improve Indonesia's regulatory transparency; help adopt and consistently implement science based international standards; and adhere to rules based on WTO regulations.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov

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Food Safety	Thailand	17 September 2012 to 29 September 2012 Food Additives \$0.00	The FAS Cochran Fellowship Program and Dr Sue Jarboe of DaSun LLC. Sponsored five Fellows and one Agricultural Specialist on a Food Additives Regulations Training Program. The goal of this program was that Fellows gain a greater understanding of US laws, regulations, and trends for new food additives in the United States and have an increased ability to comply with international standards on labeling.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Food Safety	Viet Nam	18 August 2012 to 1 September 2012 Harmonizing Food Safety Systems for Plant Origin Products \$0.00	The FAS Cochran Fellowship Program sponsored a Deputy Director and an Officer from the Ministry of Agriculture, two Vice Directors from the Plant Protection Department, a Director of a Regional Plant Quarantine Station, two Directors from the Pesticide Control Center, and an Agricultural Specialist from Hanoi, Viet Nam on a Food Safety Systems for Plant Origin Products. The program was coordinated by North Carolina State University and incorporated the science behind the US food safety system for raw and processed plant products. The training included discussions on the alignment of science based systems and international standards and visits to fruit production areas, vegetable processing facilities, and extension offices in North Carolina. The Fellows also met with USDA's Animal and Plant Inspection Service, the Environmental Protection Agency, and the Grain Inspection, Packers, and Stockyard Administration. The goal of this training was to provide the Fellows with a greater understanding of the US regulatory system and increase US exports of fruits and vegetables to Viet Nam.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov

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Food Safety	Honduras	8 July 2012 to 08 July 2014 SCRIP 2012 UC Davis - Post harvest Training (\$39,960.00)	As part of the Foreign Agricultural Service's (FAS) Scientific Cooperative Research Program, the University of California at Davis was awarded a research grant to develop a self-supporting postharvest technology short course in Honduras for a two-year project. Working closely with research counterparts at Zamorano University in Honduras, the short training course developed focused on the 'training the trainers'; providing information on postharvest biology and appropriate technologies to university, government, and industry professionals from target countries in Central America who directly interact with and support smallholder farmers. The goal of supporting this research project is to support the diffusion of information and implementation of effective postharvest technologies that can improve food safety in Latin American countries.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Food Safety	Afghanistan	5 June 2012 to 18 June 2012 Food Safety Training Program (\$4,195.00)	Purdue University implemented a food safety training course in Kabul, Afghanistan to discuss Good Agricultural Practices (GAP), Good Manufacturing Practices (GMP), and Hazard Analysis Critical Control Points (HACCP).	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	Egypt	8 July 2012 to 14 July 2012 Consultation MOE Egypt biosafety law (\$23,064.00)	Egypt Biosafety EMP activity. Consultation trip with Egyptian Ministry officials to review the draft Egyptian biosafety law.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	Caribbean Region	11 June 2012 to 12 June 2012 Caribbean SPS Codex Workshop (\$58,630.00)	A Codex SPS Workshop was held in Costa Rica, targeting the Caribbean Codex delegates. The event focused on the delegates going to the Codex Commission Meeting in Rome in July.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	Latin America and the Caribbean Region	8 August 2012 to 10 August 2012 CCLAC Codex Colloquium, Fall 2012 (\$188,455.00)	A CCLAC Codex Colloquium was held in Natal, Brazil bringing together 35 participants from Latin America and the Caribbean. The purpose of this meeting was for CCLAC delegates from the Codex Committees on Fish and Fish Products, Fresh Fruits and Vegetables, and Food Hygiene to get together to discuss the agenda items for those committees. It allowed for collaboration regionally and with the United States.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov

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Food Safety	Asia Region	22 August 2012 to 24 August 2012 CCASIA Codex Colloquium, Fall 2012 \$0.00	A CCASIA Codex Colloquium was held in Tokyo, Japan in August 2012 bringing together 48 participants from the Asia region. The purpose of this meeting was for CCASIA delegates from the Codex Committees on Fish and Fish Products, Nutrition in Foods for Special Dietary Uses, and Food Hygiene to get together to discuss their positions on various agenda items for those committees. It allowed for collaboration regionally and with the United States.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	Asia Region	31 January 2012 to 2 February 2012 Asia SPS Codex Workshop (\$109,732.00)	This workshop enabled Codex delegates from throughout Asia to four Codex committees to meet and discuss specific issues related to those respective committees. The workshop promoted regional harmonization wherever possible, and it also provided a forum for the US delegates to directly engage with counterparts.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	Africa Region	28 February 2012 to 1 March 2012 Africa SPS Codex Workshop (\$158,830.00)	This workshop enabled Codex delegates from throughout Africa to four Codex committees to meet and discuss specific issues related to those respective committees. The workshop promoted regional harmonization wherever possible, and it also provided a forum for the US delegates to directly engage with counterparts.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	Latin America and the Caribbean Region	28 February 2012 to 1 March 2012 Latin America and the Caribbean SPS Codex Workshop (\$79,594.00)	This workshop enabled Codex delegates from throughout Latin America and the Caribbean to four Codex committees to meet and discuss specific issues related to those respective committees. The workshop promoted regional harmonization wherever possible, and it also provided a forum for the US delegates to directly engage with counterparts.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	South Africa	21 May 2012 to 25 May 2012 Africa Mentoring Program 2012 (\$286,954.00)	Codex delegates from Botswana, Burkina Faso, Cameroon, Kenya, Morocco, Mozambique, Rwanda, Togo, and Uganda visited the United States for one week to learn how the United States organizes its Codex participation and administers Codex policy, which, as appropriate, the participants can use to strengthen their own domestic Codex processes and improve their nations' food safety.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	Peru	8 July 2012 to 14 July 2012 Peru Canned Food Teardown Training \$0.00	Two FDA technical experts, traveled to Peru to train participants on the method of Canned Food Teardown.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov

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Food Safety	Peru	11 August 2012 to 25 August 2012 BPCS / LACF Training Aug. 11-25 (\$20,027.00)	The purpose of this training was to educate the inspectors on the necessary practices of properly canning foods. This course will cover the following required food safety topics from the BPCS: Microbiology of Thermally Processed Foods, Principals of Thermal Processing, Principals of Food Plant Sanitation, Food Container Handling, Records and Recordkeeping, Equipment, Instrumentation and Operation for Thermal Processing Systems. In addition to the topics listed above, participants were certified in processing and packaging systems appropriate to their operations.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	Serbia	12 November 2011 to 18 December 2011 Serbia Codex Assessment (\$3,551.00)	An expert travelled to Belgrade, Serbia to hold a series of meetings with Serbian Officials to talk about Codex issues, 14 to 18 November 2011. These meetings served to provide a picture of the current status of Codex activities in Serbia, as well as the resource limitations and other challenges that the country faces in building its ability to participate fully in Codex.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	Serbia	15 February 2012 to 15 February 2013 Ante Mortem and post Mortem Techniques Pt. 1 2012 (\$11,040.00)	USDA/FAS provided the first of two trainings in 2012 on ante-mortem and post-mortem techniques for Serbian government inspectors and meat producers in Serbia. The goal of this activity was to assist in the clarification and understanding of USDA/FSIS regulations.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	Serbia	05 May 2012 to 12 May 2012 Ante Mortem and post Mortem Techniques Pt. 2 2012 (\$11,040.00)	USDA/FAS sponsored a retired veterinary inspector from FSIS to provide the second of two trainings in 2012 on ante-mortem and post-mortem techniques for Serbian government inspectors and meat producers in Serbia. The goal of this activity was to assist in the clarification and understanding of USDA/FSIS regulations.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	Serbia	22 May 2012 to 24 May 2012 Joint Risk Analysis Training Workshop Part 1 (Animal Health & Food Safety) (\$44,519.86)	Phase I of this two part program addressed the following: 1) The terminology, concepts and techniques used in risk analysis 2) How a risk analysis unit is formed and what measures need to be put into place 3) The process of weighing policy alternatives to control risks as effectively as possible.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov

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Food Safety	Serbia	24 September 2012 to 28 September 2012 Joint Risk Analysis Training Workshop Part 2 (Food Safety & Animal Health) (\$15,998.00)	USDA's Foreign Agricultural Service (FAS) worked with the Republic of Serbia to help develop the capacity to perform risk analysis in animal health and food safety and to assist in the development of a Risk Analysis Team as part of their Ministry of Agriculture, Forestry and Water Management (MAFWM). The participants were primarily from the government of Serbia, and were analysts selected to form the core of the new risk analysis group. Individuals from USDA's APHIS/Veterinary Services (VS), Food Safety Inspection Service (FSIS), and the Food and Drug Administration (FDA) led the training.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	Guatemala	28 August 2012 to 06 September 2012 Pesticide Lab Training FDA Guatemala / El Salvador (\$8,807.00)	Two FDA lab experts traveled to Guatemala City, Guatemala from 3-5 September and San Salvador, El Salvador to conduct trainings in the national pesticide laboratory. This was under the Central America region under the Feed the Future and the Central American Free Trade Agreement through funds from the US Agency for International Development.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	Guatemala	18 September 2012 to 19 September 2012 Guatemala FSMA Training (\$9,170.00)	The United States Department of Agriculture Foreign Agricultural Service led a Food Safety Modernization Act (FSMA) Information Session Workshop. The goal of the workshop was to inform participants on the basics of FSMA so that exporters will be better prepared when final regulations are developed and enforced.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	Various ASEAN countries	16 January 2012 to 20 January 2012 Pesticide MRIs (\$5,000.00)	This project assisted ASEAN countries in conducting pesticide residue trials to establish Codex MRLs in collaboration with the United States.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	Global	16 February 2012 to 20 February 2012 Pesticide Minor Uses (\$60,000.00)	FAS co organized and led the second Global Minor Use Summit at FAO headquarters in Rome, Italy. There were over 250 participants from 40 countries. Issues discussed included: how to provide newer, less toxic, pest control tools to farmers, and also address problems associated with pesticide MRLs and trade.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	China	25 June 2012 to 28 June 2012 Pesticide Risk Assessment (\$6,000.00)	FAS facilitated a technical exchange between the US EPA and their counterparts (ICAMA) in China on pesticide risk assessment. The United States and China will collaborate on joint risk assessments to evaluate eight pesticides.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov

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Food Safety	Tanzania	9 June 2012 to 16 June 2012 Aflatoxin Harmonization and Registration Roundtable (\$30,000.00)	Round table discussions were held in Zanzibar, Tanzania, a similarly s in Addis Ababa, Ethiopia focused on sharing information and identifying next steps in developing a possible harmonization program in Africa. The meetings also focused on pesticide/biopesticide registration issues, as well as ways to facilitate aflatoxin biocontrol registrations (fast tracking).	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	Kenya	11 March 2012 to 24 March 2012 Pre-registration consultation (\$20,000.00)	Pre-registration meetings were held between biocontrol researchers and registration officials in order to provide a better understanding behind the biocontrol technology (for regulators) and to better understand the national registration requirements and procedures (for researchers). This included in country consultations included additional technical workshops or trainings.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	Colombia, Bolivia, Ecuador, Peru	17 September 2012 to 22 September 2012 GLP Field Trials Training (\$30,000.00)	GLP Field Trials Training for conducting pesticide residue trials to establish Codex MRLs	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	China	24 September 2012 to 28 September 2012 National Center for Food Safety Risk Assessment Consultation (FSIS/FDA) (\$5,000.00)	In October 2011 China established a National Center for Food Safety Risk Assessment (CFSA) headquartered in Beijing. The new agency is under the Ministry of Health but functions as an autonomous risk assessment center that will provide guidance and technological support to the Ministries of Agriculture and Health in assessing, monitoring, issuing early warnings and communicating food security risks and food safety standards. Technical experts in the field of risk assessment from FDA visited CFSA in September 2012. The exchange allowed an intro into China's new monitoring program and the roles and priorities of CFSA. At this point, it is uncertain if recommendations from this visit will require FDA resources.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov

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Food Safety	Chile, Mexico, Peru	18 June 2012 to 21 June 2012 APEC PTIN Sub Regional Laboratory Capacity Building Training (in Peru) (\$28,627.00)	Under the auspices of the Asia Pacific Economic Cooperation (APEC) Food Safety Cooperation Forum (FSCF)'s Partnership Training Institute Network (PTIN), a Sub-Regional Laboratory Capacity Building training was held in Lima, Peru for established senior laboratory technicians from Chile, Mexico, and Peru who have shown commitment to both their organization and to increasing laboratory competency in their home economies. The workshops' train-the-trainer efforts focused on: analytical methods, validation, and fitness-for-purpose. The training addressed import-export trade facilitation methods, regulatory requirements, Codex principles, and good laboratory practices; it included both lecture and in-lab practical, hands-on components.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	China, Papua New Guinea, Russian Federation, and Viet Nam	16 July 2012 to 19 July 2012 APEC PTIN Sub Regional Laboratory Capacity Building Training (in Viet Nam) (\$44,225.00)	Under the auspices of the Asia Pacific Economic Cooperation (APEC) Food Safety Cooperation Forum (FSCF)'s Partnership Training Institute Network (PTIN), a Sub-Regional Laboratory Capacity Building training was held in Hanoi, Viet Nam for established senior laboratory technicians from China, Papua New Guinea, Russia, and Viet Nam who have shown commitment to both their organization and to increasing laboratory competency in their home economies. The workshops' train the trainer efforts focused on: analytical methods, validation, and fitness-for-purpose.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	Indonesia, Malaysia, Philippines, Thailand, China and Singapore	9 July 2012 to 12 July 2012 APEC PTIN Sub-Regional Laboratory Capacity Building Training (in Malaysia) (\$37,105.00)	Under the auspices of the Asia Pacific Economic Cooperation (APEC) Food Safety Cooperation Forum (FSCF)'s Partnership Training Institute Network (PTIN), a Sub-Regional Laboratory Capacity Building training was held 9-12 July 2012 in Kuala Lumpur, Malaysia for established senior laboratory technicians from Indonesia, Malaysia, the Philippines, Thailand, Singapore, and China who have shown commitment to both their organization and to increasing laboratory competency in their home economies.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov

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Food Safety	APEC Region	1 October 2011 to 31 September 2012 APEC PTIN Sub-Regional Laboratory Capacity Building: Lab Assessment and STAG Coordination (\$58,633.00)	In addition to the Sub-Regional trainings, funds were allocated to refine APEC-wide to individual economy-level priorities via a re-issuance of the survey tool developed in FY11 as well as to facilitate collaboration with scientific technical experts, known as the Scientific Technical Advisory Group (STAG), representing the diverse membership of the PTIN stakeholder group, including US and foreign government agencies, industry representatives, the World Bank, and numerous academic institutions in the APEC region.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	Argentina	4 June 2012 to 23 June 2012 FSIS Meat and Poultry Inspection - Puerto Rico (\$4,800.00)	The Foreign Agricultural Service's (FAS) Cochran Fellowship Program sponsored twelve Fellows from Argentina (1), Costa Rica (2), Dominican Republic (1), El Salvador (1), Guatemala (1), Honduras (3), Nicaragua (1), Panama (1), and Paraguay (1) for a program on FSIS Meat and Poultry Inspection in Mayaguez, Puerto Rico. The Fellows learned about US inspection procedures and regulations used to assure meat, poultry, and egg products are safe, wholesome, and properly labeled. The training created an understanding of US regulations in foreign inspection offices in order to facilitate US exports to the region and also support the Central American Free Trade Agreement (CAFTA).	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Food Safety	Costa Rica	21 July 2012 to 28 July 2012 Food Safety (\$8,400.00)	The Foreign Agricultural Service's Cochran Fellowship Program provided a Food Safety training for three Fellows from Costa Rica (2) and Nicaragua (1) conducted by Michigan State University in Lansing, Michigan. The training program focused on emerging food safety issues and concepts, US and International food safety regulatory systems, food safety policy development, risk analysis, and food safety program implementation. It addressed food safety issues that are increasingly tied to global trade agreements and are the most important cause of trade barriers. The training program aimed to increase US trade and build and international food safety resource network.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov

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Food Safety	El Salvador	4 June 2012 to 23 June 2012 FSIS Meat and Poultry Inspection - Puerto Rico (\$4,800.00)	The Foreign Agricultural Service's (FAS) Cochran Fellowship Program sponsored twelve Fellows from Argentina (1), Costa Rica (2), Dominican Republic (1), El Salvador (1), Guatemala (1), Honduras (3), Nicaragua (1), Panama (1), and Paraguay (1) for a program on FSIS Meat and Poultry Inspection in Mayaguez, Puerto Rico. The Fellows learned about US inspection procedures and regulations used to assure meat, poultry, and egg products are safe, wholesome, and properly labeled. The training created an understanding of US regulations in foreign inspection offices in order to facilitate US exports to the region and also support the Central American Free Trade Agreement (CAFTA).	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Food Safety	Algeria	21 July 2012 to 28 July 2012 MSU Food Safety (\$5,000.00)	The Foreign Agricultural Service's Cochran Fellowship Program provided a Food Safety training for ten Fellows from Algeria (1) Costa Rica (2) Ghana (2) Moldova (1) Nigeria (2) Nicaragua (1) and Ukraine (1) conducted by Michigan State University in Lansing, Michigan. The training program focused on emerging food safety issues and concepts, US and International food safety regulatory systems, food safety policy development, risk analysis, and food safety program implementation. It addressed food safety issues that are increasingly tied to global trade agreements and are the most important cause of trade barriers. The training program aimed to increase US trade and build and international food safety resource network.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov

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Food Safety	Ghana	21 July 2012 to 28 July 2012 MSU Food Safety (\$10,000.00)	From 21-28 July 2012 the Foreign Agricultural Service's Cochran Fellowship Program provided a Food Safety training for ten Fellows from Algeria (1) Costa Rica (2) Ghana (2) Moldova (1) Nigeria (2) Nicaragua (1) and Ukraine (1) conducted by Michigan State University in Lansing, Michigan. The training program focused on emerging food safety issues and concepts, US and International food safety regulatory systems, food safety policy development, risk analysis, and food safety program implementation. It addressed food safety issues that are increasingly tied to global trade agreements and are the most important cause of trade barriers. The training program aimed to increase US trade and build and international food safety resource network.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Food Safety	Iraq	5 November 2011 to 19 November 2011 Food Safety & Inspection Procedures (\$45,000.00)	The Foreign Agricultural Services' Cochran Fellowship Program provided Food Safety & Inspection Procedures training to six public sector provincial leaders from Erbil, Iraq. This training, coordinated by Texas A&M University, focused on the administrative structure of the US food safety regulatory system, emphasizing the sharing of duties across several different agencies with common regulatory standards, border inspection and risk based analysis. The fellows visited and met with key US agencies in Washington DC, as well as border inspection sites and a Food Safety Inspection Services laboratory in Texas. The goal of this program was to address the application of WTO-consistent SPS legislation in Iraq.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Food Safety	Nigeria	21 July 2012 to 28 July 2012 MSU Food Safety (\$10,000.00)	The Foreign Agricultural Service's Cochran Fellowship Program provided a Food Safety training for ten Fellows from Algeria (1) Costa Rica (2) Ghana (2) Moldova (1) Nigeria (2) Nicaragua (1) and Ukraine (1) conducted by Michigan State University in Lansing, Michigan. The training program focused on emerging food safety issues and concepts.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov

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Food Safety	Algeria	4 August 2012 to 11 August 2012 Biosafety (\$5,000.00)	The FAS Cochran Fellowship Program sponsored one Algerian and four Indonesians to attend a Biosafety course hosted by Michigan State University. The course was designed to give researchers and government officials a foundation in biosafety systems, specifically in relation to the environmental release and commercialization of genetically engineered organisms. The course analyzed the theory and practice of environmental risk assessment and management, as well as communicating the risks and benefits of agricultural biotechnology applications. Fellows were exposed to practical experience on biosafety evaluation through a variety of case studies. The objective of this training was to increase the environmentally sound use of agricultural biotechnology worldwide.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Food Safety	Egypt	9 September 2012 to 29 September 2012 FSIS Meat and Poultry Inspection Seminar II (\$15,400.00)	The Foreign Agricultural Service's Cochran Fellowship Program sponsored nineteen Fellows from Brazil (5), Dominica (1), Egypt (2), Guatemala (1), Honduras (1), Iraq (2), Jordan (1), Liberia (1), Malaysia (3), Paraguay (1), and Trinidad and Tobago (1) to attend the Food Safety and Inspection Service's (FSIS) Meat & Poultry Inspection Seminar for International Government Officials.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Food Safety	Iraq	9 September 2012 to 29 September 2012 FSIS Meat and Poultry Inspection Seminar II (\$15,400.00)	The Foreign Agricultural Service's Cochran Fellowship Program sponsored nineteen Fellows from Brazil (5), Dominica (1), Egypt (2), Guatemala (1), Honduras (1), Iraq (2), Jordan (1), Liberia (1), Malaysia (3), Paraguay (1), and Trinidad and Tobago (1) to attend the Food Safety and Inspection Service's (FSIS) Meat & Poultry Inspection Seminar for International Government Officials. This training, hosted by FSIS, familiarized international government officials with US inspection regulations and procedures used by USDA to assure that the nation's meat, poultry and egg products are safe, wholesome and properly labeled.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov

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Food Safety	Jordan	9 September 2012 to 29 September 2012 FSIS Meat and Poultry Inspection Seminar II (\$7,700.00)	The Foreign Agricultural Service's Cochran Fellowship Program sponsored nineteen Fellows from Brazil (5), Dominica (1), Egypt (2), Guatemala (1), Honduras (1), Iraq (2), Jordan (1), Liberia (1), Malaysia (3), Paraguay (1), and Trinidad and Tobago (1) to attend the Food Safety and Inspection Service's (FSIS) Meat & Poultry Inspection Seminar for International Government Officials. This training, hosted by FSIS, familiarized international government officials with US inspection regulations and procedures used by USDA to assure that the nation's meat, poultry and egg products are safe, wholesome and properly labeled.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Food Safety	El Salvador	11 March 2012 to 17 March 2012 March 11 Trilateral Programs (\$15,169.97)	The US and Chile combined resources to provide training for El Salvador officials on issues ranging from animal health, to plant health, to food safety, and market information systems. The training included sending El Salvador officials to Chile to observe best practices for public private partnerships, as well as sending Chilean officials to El Salvador to provide training for senior-and mid-level government officials.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	El Salvador	28 May 2012 to 11 June 2012 28 May Trilateral Programs (\$12,189.48)	FAS sponsored four participants from El Salvador to attend an SPS training led by the Chilean Government. This is part of the on-going Chile-Trilateral Food safety program.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	El Salvador	16 July 2012 to 27 July 2012 16 July Trilateral Programs (\$13,043.61)	FAS sponsored three participants from El Salvador to attend an SPS Training led by the Chilean Government. This is part of the on-going Chile-Trilateral Food safety program.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov

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Food Safety	El Salvador	6 February 2012 to 9 February 2012 Pre CACU Meeting (\$12,856.00)	USDA-FAS worked with the Regional International Organization for Plant Protection and Animal Health (OIRSA - Spanish acronym) to hold a regional meeting in Washington, DC to provide scientific technical expertise to the directors of the Ministries of Health, Agriculture, and Economy on standards that were reviewed during Central America Custom Unions (CACU) meetings. This regional meeting was held several weeks prior to the official CACU meeting. The objective of this meeting was to address a number of CACU food technical regulations, import documentation requirements, and an overview of SPS and TBT agreements and the international obligations of WTO Member countries.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	Senegal		Support for one traveler from the US Embassy Dakar to travel with media group to Atlanta for USAPEEC funded program.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	Argentina, Chile	9 July 2012 to 13 July 2012 South America Food Defense Awareness Workshops (\$36,796.70)	The United States Department of Agriculture Foreign Agricultural Service in collaboration with Food Safety Inspection Service and the Food and Drug Administration has developed a Food Defense Outreach program. The goal of Food Defense Outreach is technical assistance to build global capacity to prevent deliberate tampering and contamination of the food supply by those with malicious intent, thereby safeguarding food trade and consumption.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	Guatemala, Costa Rica	30 May 2012 to 6 June 2012 Central America Food Defense Awareness Workshops (\$24,901.88)	The United States Department of Agriculture Foreign Agricultural Service in collaboration with Food Safety Inspection Service and the Food and Drug Administration has developed a Food Defense Outreach program. The goal of Food Defense Outreach is technical assistance to build global capacity to prevent deliberate tampering and contamination of the food supply by those with malicious intent, thereby safeguarding food trade and consumption.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	Israel, Jordan, Turkey	13 May 2012 to 26 May 2012 Middle East Eurasia Food Defense Awareness Workshops (\$86,763.73)	In an effort to address the topic of food defense in FDA and FAS-priority countries, we hope to execute a series of food defense awareness road shows over the next two fiscal years. A team of US experts will travel to each of these countries in the middle east, Israel, Jordan and Turkey, and conduct a series of food defense workshops.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov

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Food Safety	Korea, Republic of	20 March 2012 to 28 March 2012 Food Defense Relationship Building with Japan and Korea (\$6,491.99)	USDA/FAS travelled to Japan and Korea to meet with government counterparts, academics and industry representatives to discuss food defense awareness and set up potential future collaborative awareness events.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	Korea, Republic of	6 September 2012 to 7 September 2012 Food Defense Awareness Workshop South Korea (\$16,975.89)	A team of US experts from USDA and FDA travelled to Seoul, Korea, and conducted a food defense workshop. The workshops strive to raise awareness of the importance of protecting the food supply chain against intentional contamination.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	United States of America	2 June 2012 to 12 June 2012 FD 2012 Collaborative Exchange: UMN-NCFPD (\$8,580.59)	Collaborative Exchange Program USDA/FAS and HHS/FDA sponsored a Food Defense Training of Trainers Program for industry participants and a Food Defense Education Exchange Program for academic participants.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	Nigeria	12 March 2012 to 30 September 2012 Nigeria HACCP Road Show (\$147,240.66)	An assessment conducted by USDA in August 2009 identified a need to sustainably strengthen educational programs in critical areas for food safety systems (such as Hazard Analysis Critical Control Point – HACCP). USDA/FAS sent an expert to Nigeria to begin working with NAFDAC, NAQS, SON and other relevant GON agencies to develop such a plan. During this activity, the expert worked with the GON and private sector facilities to administer a survey which identified the level of understanding of HACCP and basic Food Hygiene principles.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Food Safety	Nigeria	9 September 2012 to 15 September 2012 Nigeria NFSC Follow on Meeting (\$15,379.30)	An expert traveled to Abuja, Nigeria to meet with Food Safety stakeholders in order to organize the National Food Safety Committee of Nigeria. This was a follow-on activity from FY11.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov

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Food Safety	Moldova, Republic of	21 July 2012 to 28 July 2012 Food Safety \$0.00	The Foreign Agricultural Service's Cochran Fellowship Program provided a Food Safety training for ten Fellows from Algeria (1) Costa Rica (2) Ghana (2) Moldova (1) Nigeria (2) Nicaragua (1) and Ukraine (1) conducted by Michigan State University in Lansing, Michigan. The training program focused on emerging food safety issues and concepts, US and International food safety regulatory systems, food safety policy development, risk analysis, and food safety program implementation. It addressed food safety issues that are increasingly tied to global trade agreements and are the most important cause of trade barriers.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Food Safety	Ukraine	21 July 2012 to 28 July 2012 Food Safety \$0.00	The Foreign Agricultural Service's Cochran Fellowship Program provided a Food Safety training for ten Fellows from Algeria (1) Costa Rica (2) Ghana (2) Moldova (1) Nigeria (2) Nicaragua (1) and Ukraine (1) conducted by Michigan State University in Lansing, Michigan. The training program focused on emerging food safety issues and concepts, US and International food safety regulatory systems, food safety policy development, risk analysis, and food safety program implementation. It addressed food safety issues that are increasingly tied to global trade agreements and are the most important cause of trade barriers.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Food Safety	El Salvador	24 June 2012 to 29 June 2012 Microbiology: Methods of Determination of Cronobacter spp in Infant Formula (\$3,250.00)	One Fellow attended a course designed for professionals who need to perform tests for the detection and quantitation of Enterobacter Skazakii at the University of Maryland's Joint Institute for Food Safety and Applied Nutrition International Food Safety Training Laboratory. The Fellow learned and practiced traditional plating techniques and modern genetic laboratory methods after reviewing the relevant compliance programs from FDA. The laboratory work also included traditional and real-time PCR. The goal of the training was to provide critical support for local food products to meet requirements such as the US Food Safety Modernization Acts signed into law earlier this year and would raise the region's food safety standards facilitating two-way trade.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov

Sector	Provided To	Date, Title, Budget	Activity Summary	Contact
Food Safety	Guatemala	14 April 2012 to 27 April 2012 JIFSAN Methods of Determination of Mycotoxins in Food (\$24,762.00)	The Foreign Agricultural Service's (FAS) Cochran Fellowship Program provided training in Methods of Determination of Mycotoxins in Food for three government officials from Guatemala. The course focused on understanding food safety in processed foods, and the FDA-USDA Mycotoxin Compliance Program. The course was conducted in College Park, MD at the University of Maryland, Joint Institute for Food Safety and Applied Nutrition (JIFSAN). The goal of this course was to increase Guatemala's ability to perform detection and measurement of Mycotoxins and to meet requirements of the US Food Safety Modernization Act (FSMA) signed into law earlier this year (2012). This training program will help Guatemala raise the country's food safety standards by facilitating two-way trade.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Food Safety	Guatemala	4 June 2012 to 23 June 2012 FSIS Meat and Poultry Inspection - Puerto Rico (\$4,800.00)	The Foreign Agricultural Service's (FAS) Cochran Fellowship Program sponsored thirteen Fellows from Argentina (1), Costa Rica (2), Dominican Republic (1), El Salvador (2), Guatemala (1), Honduras (3), Nicaragua (1), Panama (1), and Paraguay (1) for a program on FSIS Meat and Poultry Inspection in Mayaguez, Puerto Rico. The Fellows learned about US inspection procedures and regulations used to assure meat, poultry, and egg products are safe, wholesome, and properly labeled. The training created an understanding of US regulations in foreign inspection offices in order to facilitate US exports to the region and also support the Central American Free Trade Agreement (CAFTA).	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov

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Food Safety	Guatemala	30 September 2012 to 6 October 2012 Microbiology - E. Coli in Fresh Produce and Meat (\$3,300.00)	The FAS Cochran Fellowship Program provided training for one Fellow from Guatemala (1) to attend a laboratory training in microbiology entitled Determination of Enterohemorrhagic E. coli (EHEC) in Fresh Produce and Meat training conducted by the International Food Safety Training Laboratory, Joint Institute for Food Safety of the University of Maryland. The training focused on concepts and practice of fit-for-purpose laboratory methods to detect E. coli in produce and meats. The program included lectures and performance of hands-on research with emphasis on Chapter 4A of the FDA Bacteriological Analytical Manual (BAM) on Diarrheagenic E. coli, as well as FSIS Microbiology Laboratory Guidebook on EHEC and Shiga-toxin producing E. coli (STEC) adulterants. The goal of this training was to increase the regions food safety standards facilitating two-way trade.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Food Safety	Honduras	4 June 2012 to 23 June 2012 FSIS Meat and Poultry Inspection - Puerto Rico (\$14,400.00)	The Foreign Agricultural Service's (FAS) Cochran Fellowship Program sponsored twelve Fellows from Argentina (1), Costa Rica (2), Dominican Republic (1), El Salvador (1), Guatemala (1), Honduras (3), Nicaragua (1), Panama (1), and Paraguay (1) for a program on FSIS Meat and Poultry Inspection in Mayaguez, Puerto Rico. The Fellows learned about US inspection procedures and regulations used to assure meat, poultry, and egg products are safe, wholesome, and properly labeled. The training created an understanding of US regulations in foreign inspection offices in order to facilitate US exports to the region and also support the Central American Free Trade Agreement (CAFTA).	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov

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Food Safety	Mexico	12 August 2012 to 29 August 2012 Avian Influenza High Pathogenic (\$7,200.00)	The Foreign Agricultural Service's (FAS) Cochran Fellowship Program provided assistance in training on an avian influenza vaccination on the recent outbreak of the high pathogenic avian influenza (HPAI) H7N3 in the state of Jalisco for two government officials from Mexico's National Service of Health, Food Safety and Food Quality (SENASICA). The purpose of the training was to assist SENASICA in follow up work made for the challenge of the birds previously inoculated with vaccines elaborated by the USDA-ARS-SEPRL from low path strains of Avian Influenza Subtype H7N3 due to the outbreak in Mexico.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Food Safety	Nicaragua	4 June 2012 to 23 June 2012 FSIS Meat and Poultry Inspection - Puerto Rico (\$4,800.00)	The Foreign Agricultural Service's (FAS) Cochran Fellowship Program sponsored twelve Fellows from Argentina (1), Costa Rica (2), Dominican Republic (1), El Salvador (1), Guatemala (1), Honduras (3), Nicaragua (1), Panama (1), and Paraguay (1) for a program on FSIS Meat and Poultry Inspection in Mayaguez, Puerto Rico. The Fellows learned about US inspection procedures and regulations used to assure meat, poultry, and egg products are safe, wholesome, and properly labeled. The training created an understanding of US regulations in foreign inspection offices in order to facilitate US exports to the region and also support the Central American Free Trade Agreement (CAFTA).	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Food Safety	Nicaragua	21 July 2012 to 28 July 2012 Food Safety (\$4,200.00)	The Foreign Agricultural Service's Cochran Fellowship Program provided a Food Safety training for three Fellows from Costa Rica (2) and Nicaragua (1) conducted by Michigan State University in Lansing, Michigan. The training program focused on emerging food safety issues and concepts, US and International food safety regulatory systems, food safety policy development, risk analysis, and food safety program implementation. It addressed food safety issues that are increasingly tied to global trade agreements and are the most important cause of trade barriers. The training program aimed to increase US trade and build and international food safety resource network.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov

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Food Safety	Panama	4 June 2012 to 23 June 2012 FSIS Meat and Poultry Inspection - Puerto Rico (\$4,800.00)	The Foreign Agricultural Service's (FAS) Cochran Fellowship Program sponsored twelve Fellows from Argentina (1), Costa Rica (2), Dominican Republic (1), El Salvador (1), Guatemala (1), Honduras (3), Nicaragua (1), Panama (1), and Paraguay (1) for a program on FSIS Meat and Poultry Inspection in Mayaguez, Puerto Rico. The Fellows learned about US inspection procedures and regulations used to assure meat, poultry, and egg products are safe, wholesome, and properly labeled. The training created an understanding of US regulations in foreign inspection offices in order to facilitate US exports to the region and also support the Central American Free Trade Agreement (CAFTA).	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Food Safety	Paraguay	4 June 2012 to 23 June 2012 FSIS Meat and Poultry Inspection - Puerto Rico (\$4,800.00)	The Foreign Agricultural Service's (FAS) Cochran Fellowship Program sponsored twelve Fellows from Argentina (1), Costa Rica (2), Dominican Republic (1), El Salvador (1), Guatemala (1), Honduras (3), Nicaragua (1), Panama (1), and Paraguay (1) for a program on FSIS Meat and Poultry Inspection in Mayaguez, Puerto Rico. The Fellows learned about US inspection procedures and regulations used to assure meat, poultry, and egg products are safe, wholesome, and properly labeled. The training created an understanding of US regulations in foreign inspection offices in order to facilitate US exports to the region and also support the Central American Free Trade Agreement (CAFTA).	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Food Safety	Saint Vincent and the Grenadines	5 August 2012 to 11 August 2012 FSIS International Microbiology Training Seminar (\$1,600.00)	The Foreign Agricultural Service's (FAS) Cochran Fellowship Program provided training on microbiology methods for two government officials from Barbados (1) and St. Vincent and the Grenadines (1). The purpose of the seminar was familiarize international government laboratory officials with laboratory testing methods and procedures used by FSIS, USDA to assure that the nation's meat, poultry and egg products are safe and wholesome. This training aimed to help to protect Latin American, Caribbean, and US consumers from food safety risks.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov

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Food Safety	Various countries	9 September 2012 to 29 September 2012 FSIS Meat and Poultry Inspection Seminar II (\$7,700.00)	The Foreign Agricultural Service's Cochran Fellowship Program sponsored nineteen Fellows from Brazil (5), Dominica (1), Egypt (2), Guatemala (1), Honduras (1), Iraq (2), Jordan (1), Liberia (1), Malaysia (3), Paraguay (1), and Trinidad and Tobago (1) to attend the Food Safety and Inspection Service's (FSIS) Meat & Poultry Inspection Seminar for International Government Officials. This training, hosted by FSIS, familiarized international government officials with US inspection regulations and procedures used by USDA to assure that the nation's meat, poultry and egg products are safe, wholesome and properly labeled. The objective of this program was to demonstrate the safety of US products to the fellows to facilitate port of entry procedures in their respective countries.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Food Safety	Various countries	30 September 2012 to 30 September 2015 Grant to WHO for Scientific Advice Related Activity \$0.00	Joint FAO/WHO Meeting on Pesticide Residues (JMPR) and the Joint FAO/WHO Expert Committee on Food Additives (JECFA) (collectively referred to as "the Projects") through the FAO/WHO Global Initiative for Food Related Scientific Advice (GIFSA).	
Food Safety Pesticides	China	7 May 2012 to 11 May 2012 Workshop on Joint Review of Pesticides \$40,000.00	Four EPA scientists traveled to Beijing and presented a workshop for ICAMA staff responsible for the establishment of Maximum Residue Limits (MRLs) for pesticides on foods. The topics included: dietary exposure & and its role in the establishment of a MRL; data requirements; toxicology data review; tools for use in calculating specific MRLs for specific crops.	Lois Rossi (1 703)305 5447 Rossi.Lois@epa.gov
Food Safety, Plant Health and Animal Health	Korea, Republic of	The US Pesticide Regulatory Program and its role in the Establishment of International Food Safety Standards \$0.00	EPA/OPP hosted a group of scientists and regulators from Korea Food and Drug Administration (KDFDA) and provided them with a comprehensive overview of the US pesticide regulatory program; the ways in which EPA establishes MRLs for pesticide residues on foods; the role of the US FDA in enforcing the MRLs established by EPA.	Lois Rossi (1 703)305 5447 Rossi.Lois@epa.gov

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Food safety; pesticides	China	15 July 2012 to 20 July 2012 The US Pesticide Regulatory Program and its role in the Establishment of International Food Safety Standards \$10,000.00	OPP and ICAMA selected six pesticides of priority for China in order to conduct a review of the existing toxicological data, using the US process for re-evaluation as a model. The workshop topics included: overview of the data requirements for each scientific discipline (i.e., residue chemistry, toxicology); selection of end points; data review procedures and documentation.	Lois Rossi (1 703)305 5447 Rossi.Lois@epa.gov
Plant Health	Pakistan	1 June 2012 to 1 September 2012 Borlaug Fellowships Wheat Pakistan-UMN (\$30,000.00)	These 5 Borlaug Fellowships supported the Wheat Production Enhancement Initiative. Fellows gained field and lab skills needed to support the on-going wheat rust collaboration between University of Minnesota, ARS and Pakistani institutions.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Plant Health	Pakistan	17 April 2012 to 12 July 2012 Borlaug Pakistan Cotton (Khezar Hayat Bhatti) TAMU (\$30,000.00)	The fellowship focused on cotton genomics to support the Cotton Production Enhancement Project.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Plant Health	Pakistan	11 September 2012 to 15 November 2012 Borlaug Fellowship (Rahman) Pakistan (\$30,000.00)	A Borlaug Fellow completed a Borlaug Fellowship at USDA's Agricultural Research Service in Stoneville, Mississippi. He gained genetic and cytogenetic skills needed to support the on-going collaboration between ARS-Stoneville, Texas A & M University, and Pakistani institutions.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Plant Health	China	20 August 2012 to 2 September 2014 FY12 SCEP Ohio State Plant Protection (\$34,676.07)	The Foreign Agricultural Service's (FAS) US-China Scientific Cooperation Exchange Program and Ohio State University hosted five professors from Nanjing and Jiangsu studying the judicious use of pesticides, biological controls, pest forecasting, and other pest management mechanisms with minimal impacts on the environment. The goal of the scientific exchange is to foster bilateral collaboration, the leveraging of resources, and transfer of knowledge and technology to enhance agricultural sustainability in China and the United States.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov

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Plant Health	Afghanistan	15 April 2012 to 04 May 2012 Plant Health Pathology and Entomology Diagnostics Training Course (\$5,000.00)	The Plant Health Pathology and Entomology Diagnostics Training was designed to provide attendees with a broad overview of knowledge and skills needed to identify pest problems and diagnose diseases of plants. Attendees built on their existing knowledge of plant pathology and entomology to solidify understanding of how to use basic equipment, tools and reference materials. Plant disease diagnostics training focused mainly on fungal diseases and also provided basic skills needed to work with diseases of bacterial, viral and nematode origin.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Plant Health	Angola	11 March 2012 to 17 March 2012 Angola Fruit Fly Program (\$5,000.00)	SPS Advisor and Consultant provided targeted training on developing a fruit fly surveillance and monitoring program in Angola. The lack of official information and data on the current status of the invasive fruit fly B. invaders in Angola has become a critical factor in constraining regional trade. Increased communication with officials in the NPPO of Angola who have expressed interest to work with us toward establishing a national fruit fly surveillance program has resulted since this training was implemented.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Plant Health	Bangladesh	19 March 2012 to 31 December 2012 Assessment - SPS Capacity Building in Bangladesh (\$40,000.00)	USDA/FAS worked with USAID, FDA, USDA/APHIS, and academic subject matter experts to implement an assessment to determine capabilities and gaps in SPS capacity (with a strong focus on food safety) in Bangladesh. The assessment team conducted a preliminary document review, executed a brief in-country assessment, and developed a results oriented outreach strategy. USAID, USDA will work over the next several years to provide guidance and technical assistance to increase the capacity of Bangladeshi stakeholders.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov

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Plant Health	Bangladesh	17 June 2012 to 1 July 2012 APHIS Plant Health System Analysis Course (\$8,000.00)	FAS sponsored one participant in the International Plant Health System Analysis Course, conducted by the USDA Animal and Plant Health Inspection Service (APHIS). Activities Performed: i) Performing inspections of plants, plant products and other regulated articles for purposes related to the issuance of phytosanitary certificate. ii) Dissemination of certification related information. iii) Non-compliance notifications. iv) Implementation of import regulatory systems and help issuing Import permit.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Plant Health	Bangladesh	24 July 2012 to 1 August 2012 APHIS Fundamentals of Risk Analysis for Plant Protection (RA 101) (\$10,000.00)	FAS sponsored two participants in the USDA-APHIS-PPQ, Center for Plant Health Science and Technology, Plant Epidemiology and Risk Analysis Laboratory, Fundamentals of Risk Analysis for Plant Protection.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Plant Health	Honduras	16 April 2012 to 20 April 2012 Honduras Med Fly Database Support (\$5,000.00)	An expert from the Panama Ministry of Agriculture went to Honduras to continue work on establishing a fruit fly free zone in the north of the country. The expert worked with the Honduran stakeholders to improve their fruit fly surveillance, data collection and reporting in order for the country to provide sufficient evidence of a lack of fruit flies in the region.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Plant Health	Honduras	4 September 2012 to 7 September 2012 Honduras Packing House Inspection Training (\$12,000.00)	Experts from UC-Davis and APHIS went to Comayagua, Honduras to conduct a post-harvest inspection workshop, funded by USAID, that trained exporters, producers, and ministry officials how to detect product issues before shipment and create notification systems to address produce issues at the field level. This improved Honduras' capacity to properly inspect produce, and reduce post-harvest losses and rejections at US ports of entry.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Plant Health	Honduras	3 May 2012 to 11 May 2012 Field Diagnostics Training (\$30,000.00)	Two technical experts worked with Honduran stakeholders on field disease diagnosis and management of diseases of tomato, potato, sweet pea, and carrot. The goal was to create a team of experts that can train others help producers reduce losses due to plant diseases, thereby increasing income and local food security.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov

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Plant Health	Haiti	10 September 2012 to 14 September 2012 Haiti Record Keeping Training - September 2012 (\$5,448.55)	Capacity building was provided to the Haitian Ministry of Agriculture in fruit fly trapping and recordkeeping. In conjunction with the Animal and Plant Health Inspection Service and funded by USAID Haiti, the training and meetings focused on increasing the involvement of the Ministry in plant protection functions related to the mango sector.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Plant Health	Pakistan	25 August 2011 to 31 December 2014 SPS Distance Learning \$0.00	The project utilized CABI facilities in Rawalpindi, Pakistan to host training sessions and US land grant university, APHIS and CABI Subject Matter Experts (SMEs) to develop training modules. Texas A&M University will lead a university consortium to collaborate with CABI, USDA, the government of Pakistan, and other project implementation partners to develop training modules to address the needs of Pakistan's animal and plant health officials. The TAMU-led university consortium will develop training modules, which will be facilitated by CABI. Topics addressed will include regulatory systems development to strengthen Pakistan's capacity to apply principles of the Agreement on the Application of SPS (The SPS Agreement) with regard to animal and plant health. This project is being delivered in stages via a series of training courses designed to increase the technical capacity of Pakistan's animal and plant health officials and scientists.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Plant Health	Pakistan	17 June 2012 to 30 June 2012 Plant Health Systems Analysis Course (\$20,000.00)	Four Pakistani Plant Health officials attended the Plant Health Systems Analysis Workshop which addressed the following topics: 1) Fundamental Concepts of Plant Health and the International Legal and Regulatory Framework 2) Plant Protection and Quarantine 3) Risk Analysis Overview 4) Risk Management Activities 5) Surveillance Systems 6) Export Certification 7) Risk Communication and Public Relations and 8) Exploring the Future of Plant Health in the Region.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov

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Plant Health	Pakistan	1 September 2010 to 1 September 2013 Cotton Leaf Curl Virus Resistant Cotton Varieties (\$1,500,000.00)	During implementation of this research project, DNA markers will be identified to track the transfer of the resistance. Methods will be developed to monitor changes in Cotton Leaf Curl Virus (CLCuV) virulence and occurrence in Pakistan cotton production regions. The program addresses the urgent need to identify alternate sources of resistance to CLCuV, a major disease of cotton in Pakistan. Cotton is a major raw material for Pakistan's domestic textile industry and a major source of cooking oil. CLCuV has the potential to decrease cotton yields by 20% or more and threatens Pakistan's economic stability and food security. The long term objective is to increase cotton yields and improve production with CLCuV resistant varieties and adoption of improved management practices.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Plant Health	Pakistan	18 August 2010 to 18 August 2013 Wheat Productivity Enhancement (\$1,500,000.00)	This project strengthened the existing institutional structure, helped make wheat research more relevant to the real problems facing wheat producers than is possible under present conditions and supported a partnership approach with all the key stakeholders in Pakistan to achieve sustainability. The collaborative activities proposed under this project are in direct response to the spreading threat of new, virulent strains of wheat stem rust.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Plant Health	Peru	15 April 2012 to 21 April 2012 Chile Fruit Fly Training (\$6,000.00)	Two Peruvian officials traveled to Chile to participate in a response and eradication consultation provided by the <i>Servicio Agicola Y Ganadero (SAG)</i> in Santiago, Chile.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Plant Health	Peru	7 May 2012 to 11 May 2012 APHIS Emergency Response Plan Development for Peru (\$12,000.00)	USDA/FAS provided a technical expert from APHIS/PPQ to give approximately one-week of technical consultations on the development of emergency response plans and capabilities to address new quarantine pest introductions and outbreaks. The Peruvian National Plant Protection Organization, <i>Servicio Nacional de Sanidad Agraria del Peru (SENASA)</i> was the direct beneficiary of this assistance. The overall objective of the activity was to advance the Peruvian's capacity to develop emergency response plans for quarantine pests of particular risk to Peruvian agriculture.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov

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Plant Health	Peru	7 May 2012 to 11 May 2012 Phytosanitary Seed Certification Training (\$5,000.00)	FAS sponsored officials from the <i>Servicio Nacional de Sanidad Agraria del Peru</i> (SENASA) to participate in a training provided by Chile on exporting and certification protocols for exporting vegetable seeds to the US and third countries. Increasing the capacity of Peru to meet international SPS requirements for exporting seeds will increase trade opportunities as well as provide US exporters more safe seed products to re-export to third countries.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Plant Health	Peru	7 May 2012 to 11 May 2012 SAG Mites & Borers Diagnostic Training for Peru (\$8,000.00)	OCBD sent one expert from Chile to provide training to the <i>Servicio Nacional de Sanidad Agraria del Peru</i> (SENASA) on identification and monitoring of quarantine mites and borers. The goal is to advance Peruvian capacity to identify and follow risk-based protocols for insects that pose a significant risk, which will protect their domestic agriculture from new plant pests and help avoid unnecessary trade barriers.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Plant Health	Peru	5 August 2012 to 18 August 2012 Risk Based Inspection and Internal Quarantine Workshop (\$35,000.00)	USDA/FAS, (SENASA HQ), SARVF and SCV personnel traveled along the Peruvian border countries to assess potential SPS threats. The team subsequently worked on developing risk based inspection protocols for border areas and educate SENASA on improved risk based inspection methods. The goal of these efforts were to achieve the following outcomes: Updating inspection manuals to ensure inspection procedures are based on risk, increase capacity of current and future inspectors and provide recommendations to improve internal quarantine protocols.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Plant Health	Serbia	19 March 2012 to 23 March 2012 Fruit Integrated Pest Management (IPM) Training in Serbia (\$53,000.00)	Penn State University developed a series of workshops on Fruit Integrated Pest Management (IPM) in Serbia. The adoption of efficient, safe and cost-effective programs for the management of plant pest problems is critical to the agricultural productivity and economic viability in Serbia.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov

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Plant Health	Serbia	21 February 2012 to 23 February 2012 Serbia Global Minor Use Summit (\$2,000.00)	The Office of Capacity and Development Building/Trade and Scientific and Capacity Building sponsored the Director of Serbian PPD and, Head of the Department for Plant Protection Products and Plant Nutrition Products to the GMU Summit in Rome from 21-23 February 2012. The first Global Minor Use Summit (GMUS) was held in Rome, Italy in December 2007 co-organized by FAO, USDA, USEPA and IR-4. The purpose of the first Global Minor Use Summit was to highlight many of the issues and obstacles that growers of minor or specialty crops face. The purpose of second GMUS will focus on global agreements for pesticide policy, procedure and methodology to help deal with minor use issues while providing growers with access to safe tools to grow their crops and to promote free and fair trade between nations.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Plant Health	Serbia	26 March 2012 to 30 March 2012 Phytopathology Training (\$8,000.00)	Phytopathology Training hosted by the Serbian National Phytosanitary Referent Laboratory and its Network to collaborate on current SPS topics.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Plant Health	Serbia	25 June 2012 to 29 June 2012 Tree Fruit IPM Workshop (\$21,000.00)	Penn State University and Iowa State University designed and implemented workshops on developing Integrated Pest Management (IPM) manuals on apple production for Serbia. The adoption of efficient, safe and cost-effective programs for the management of plant pest problems is critical to the agricultural productivity and economic viability in Serbia.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Plant Health	Serbia	16 September 2012 to 29 September 2012 Bacterial Phytopathology Training (\$35,000.00)	Five Serbian participants traveled to Salinas, California to visit the ARS lab and work in collaboration with Carolee Bull on advanced Bacterial Phytopathology.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Plant Health	Peru	24 October 2011 to 30 October 2011 CATIE Cocoa IPM Training (\$8,778.33)	A visiting researcher worked on the application of plant disease resistance to pathogens at the molecular-level. The collaboration assisted in the development of new diagnostic approaches and safe control mechanisms for plant diseases.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov
Plant Health	Peru	20 November 2011 to 27 November 2011 Starbucks Coffee Training (C.A.F.E. standards, IPM, certification, and Production Practices) (\$9,952.79)	A visiting researcher worked on the application of plant disease resistance to pathogens at the molecular-level. The collaboration assisted in the development of new diagnostic approaches and safe control mechanisms for plant diseases.	Christine Strossman (1 202)720 0303 Christine.Strossman@fas.usda.gov

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Plant Health	Barbados, Dominica	1 October 2012 to 30 September 2012 Fruit Fly Surveillance (\$1,200.00)	On-going implementation of the recommendations from the 2010-2011 fruit fly evaluation programs in the Barbados and Dominica.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Plant Health	East Caribbean Region	1 October 2012 to 30 September 2012 Mite Identification (\$6,000.00)	The Mite Identification Workshop was held at the Windward Islands Research and Education Foundation (WINDREF) Building at the St George's University, Grenada from 27-31 August 2012. This workshop was a collaborative effort between The United States Department of Agriculture, Animal and Plant Health Inspection Services-International Services (USDA-APHIS-IS) and the Greater Caribbean Safeguarding Initiative (GCSI), the Ministry of Agriculture and Fisheries, Jamaica, The St. George's University, the Windward Islands Research and Education Foundation (WINDREF) and the Ministry of Agriculture in Grenada. Ten (10) participants attended from over seven (7) countries in the Caribbean. The general objective of the Mite Identification Workshop was to inform participants on the science and technical knowledge needed to correctly identify Mite Pests in the Caribbean Region of Quarantine Importance.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Plant Health	Caribbean Region	1 October 2012 to 30 September 2012 Caribbean Regional Plant Health Coordination (\$10,000.00)	APHIS IS and Plant Protection and Quarantine coordinated and assisted with conducting the 5 th meeting of the Caribbean Plant Health Directors Forum in the British Virgin Islands from 14-16 August 2012. The forum was comprised of 26+ countries and includes discussions on the plant health priorities in the region. This meeting was conducted by USDA APHIS GCSI, in collaboration with the CARICOM Secretariat, the Food and Agriculture Organization of the United Nations (FAO), the Inter-American Institute for Cooperation on Agriculture (IICA), the Caribbean Agricultural Research and Development Institute (CARDI), CAB International (CABI), CARICOM, FAO and the Department of Agriculture, British Virgin Islands.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Plant Health	Japan	17 October 2011 to 19 December 2011 Detector Dog Training (\$21,000.00)	Two officers from Japan's MAFF Animal Quarantine Inspection Service completed a 10-week detector dog training at APHIS, PPO's Georgia National Detector Dog Training Center. IS-Tokyo coordinated the technical and administrative request between the Ministry of Agriculture, Forestry and Fisheries (MAFF) and the National Detector Dog Training Center to meet MAFF's deadline of completing the course by the end of 2011. After completing the training, the officers and their dogs were assigned to the newly expanded Tokyo Haneda International Terminal. The National Detector Dog Training Center staff extended boarding and care of the three candidate dogs to qualify two of them as rabies free for export to Japan after the completion of the training	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Plant Health	Peru	9 October 2011 to 14 October 2011 Cold Treatment Training (\$4,200.00)	Due to the number of trainees, this was part two of a two part training program on Cold Treatment. Officials from Peru SENASA were trained on how to initiate cold treatments for imports into the United States. The Chilean Preclearance Program provided the training and was funded by SENASA-Peru.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Plant Health	Caribbean Region	9 January 2012 to 12 January 2012 Fruit Fly Id Workshop (\$15,000.00)	The Fruit Fly Identification Workshop (without an existing fruit fly trapping program) was held at the H. Lavity Stoutt Community College, Paraquita Bay, British Virgin Island. This workshop was a collaborative effort between The United States Department of Agriculture, Animal and Plant Health Inspection Services-International Services (USDA-APHIS-IS), the Greater Caribbean Safeguarding Initiative (GCSI), and the Department of Agriculture of the British Virgin Island. Over sixteen (16) participants attended the workshop from six (6) countries in the Caribbean. (The Countries Trained included Anguilla, BVI, Nevis, St Kitts, St Maarten, and Turks and Caicos).	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Plant Health	Guatemala	16 January 2012 to 31 March 2012 Fruit Fly Training (\$19,700.00)	The APHIS Moscamed Program in Guatemala implemented an 11-week training program for a subject matter expert from the South Africa Ministry of Agriculture to learn transfer gel larval diet technology for rearing medfly TSL genetic sexing strains. Detailed objectives of the training program include filter rearing system handling, colony magnification and egg production, colony larva and pupae production, irradiation, packing, and shipping, and diet formulation, among others. The activity was requested and financed by the UN IAEA.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Plant Health	Panama, Costa Rica, El Salvador, Guatemala, Belize, Dominican Republic	23 January 2012 to 27 January 2012 Pest Risk Analysis Training (\$70,000.00)	Under an agreement with the Interamerican Development Bank (IDB), APHIS/PPQ CPHST is providing training in Pest Risk Analysis to 33 risk analysts and other plant health officials from Panama, Costa Rica, Nicaragua, Honduras, El Salvador, Guatemala, Belize and the Dominican Republic at the IICA headquarters in San Jose, Costa Rica. The first group of trainees from these countries was trained, 23-27 January 2012. This Spanish language course is part of a larger initiative which will also include similar on-site training in late May 2012 for countries from the Andean region. The training package also involves development of on-line training modules by CPHST and will include mentorships for Risk Analysts from the region in Raleigh, NC at the CPHST offices. The IDB is funding the travel and per diem of 3 APHIS Risk Analysts to conduct this training. The program supports US Government and APHIS commitments to provide technical assistance to developing countries in SPS. CPHST as the leading Plant Risk Analysis unit agreed to provide this training in 2012.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Plant Health	Pakistan	31 January 2012 to 31 January 2012 Mango Conference (\$1,000.00)	APHIS Islamabad attended the Annual Pakistan Mango Conference on 31 January 2012 in Islamabad. The conference brought together growers, packers, exporters, university researchers, and Pakistan government officials to discuss mango exports. APHIS Islamabad provided information about the program to export mangoes to the United States and guidance on phytosanitary issues. The conference was sponsored by the AID Firms project and was held at the Marriot in Islamabad. APHIS Islamabad co-chaired a session on SPS issues.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Plant Health	Bangladesh	19 May 2012 to 26 May 2012 Bangladesh Plant Health Assessment (\$9,600.00)	APHIS/New Delhi participated in a multi-agency SPS Assessment of Bangladesh. This week long event was a critical component of the President's Feed the Future Initiative. The recent establishment of reform initiatives in the Bangladesh Ministry of Agriculture offers a unique opportunity for cooperation between APHIS and key Departments with sanitary and phytosanitary (SPS) responsibilities and international obligations. Government of Bangladesh (GoB) officials have stated their interest in developing a cooperative program with APHIS for the express purpose of sharing knowledge, developing the capacity of technical professionals to perform SPS related activities, as well as gaining a full understanding of what is necessary to update Bangladesh's surveillance/monitoring, laboratory and testing infrastructure. Feed the Future is a unique opportunity to capitalize on the established relationship between APHIS and offices in the Department of Agriculture responsible for SPS enforcement and applications. Therefore, the initial objective was to strengthen this relationship by working with existing partners (i.e. Food and Agriculture Organization) to identify areas for immediate collaboration.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Plant Health	Korea, Republic of	29 May 2012 to 29 May 2012 Irradiation as Phytosanitary Treatment (\$1,200.00)	APHIS/Seoul gave a presentation on USDA's experience with irradiation as a phytosanitary treatment at an irradiation workshop organized by the Korean Atomic Energy Research Institute (KAERI) in Daejon. The meeting was set up as a prelude to a recently funded joint project between MIFAFF and KAERI to expand exports through treating Korean agricultural commodities with irradiation. Specific commodities to be exported are not yet identified. KAERI has been a leading proponent in Korea of the use of the technology and seems to be gaining some support in the government. Currently, Korea prohibits the use of irradiation on all products, except for dry spices. Other speakers at the event included a representative of the Minnesota Beef Council, a representative of the Chinese Academy of Inspection and Quarantine, and a representative of the International Irradiation Association.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Plant Health	Trinidad and Tobago and Antigua and Barbuda	27 May 2012 to 21 June 2012 Tuta Absoluta training (\$8,000.00)	APHIS assisted in conducting the survey for Tuta Absoluta in Antigua and Tobago. The Agricultural Scientist, by the request of the Ministries of Agriculture in both Tobago and Antigua, visited these countries to assist with the survey of Tuta Absoluta. These 2 Caribbean Countries, in particular, suffer from a lack of resources, especially well trained man power and field equipment to adequately conduct a survey of this magnitude. Therefore it became necessary, in order to have to survey completed in time for the 5 th CPD, that assist be given. To assist the Tobago House of Assembly and the Department of Agriculture in Antigua in conducting the survey for Tuta Absoluta.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Plant Health	Caribbean Region	28 June 2012 to 28 June 2012 Caribbean Plant Health Safeguarding (\$2,500.00)	The 2 nd Meeting of the Safeguarding Technical Working Group: held at the Inter-American Institute for Cooperation on Agriculture (IICA) Office in Barbados, on 28 June 2012. In attendance were Technical Working Group members from the Cayman Islands, Jamaica, Suriname, British Virgin Island, Trinidad and Tobago and Barbados (the Chair of the Safeguarding TWG). The objective of the Meeting was to develop an implementation plan for the recommendations of the First meeting, identify the achievements of the Technical Working Group for the past year, and agree on recommendations to take forward at the 5 th Meeting of the Caribbean Plant Health Directors (CPHD) Forum.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Plant Health	Haiti, Pakistan, Bangladesh, India, Dominican Republic, Mexico	18 June 2012 to 29 June 2012 PHSA Course (\$10,000.00)	The Plant Health Systems Analysis Course is designed to illustrate how the Animal and Plant Health Inspection Service (APHIS) confronts challenges posed by global and domestic plant health issues. The two-week course includes an overview of APHIS, interactions with other Federal and State agencies, international organizations, foreign governments, industry, and the general public in order to address plant health issues of mutual concern. Field trips to the National Plant Germplasm Inspection Station in Beltsville, Maryland, Port of Entry Plant Inspection facilities and Domestic Plant Health and research activities are also included. At the end of the course, participants assessed how their organizations respond to plant health issues.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Plant Health	Chile	19 June 2012 to 22 June 2012 Weed Risk Analysis Training \$0.00	Chilean participant and risk analysis Lilian Ibanez participated in the Weed Risk Assessment Workshop held in Raleigh, NC in June 2012. In a bilateral meeting held on 20–21 March, SAG/Chile expressed the need for technical cooperation in Weed Risk Analysis (potential of a plant to become a pest). The main purpose of this proposal is to have a conceptual and practical training on how to use the new program Weed Risk Assessment (WRA) USDA APHIS PPQ uses for analyzing import and transport risks associated with agricultural commodities.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Plant Health	Eastern Caribbean Region	19 July 2012 to 19 July 2012 Palm Pest Working Group (\$8,000.00)	Conducted 3 rd meeting of the Palm Pest Technical Working Group (PP TWG) Meeting: held at the CENTENO Research Office, in Trinidad on 19 July 2012. In attendance were Technical Working Group members from Dominica, St. Maarten, St. Vincent, Jamaica, Antigua and Barbuda, and Trinidad and Tobago (the Chair of the PP TWG). The objective of the Meeting was to develop an implementation plan for the recommendations of the 2 nd meeting, identify the achievements of the Technical Working Group for the past year, and agree on recommendations to take forward at the 5 th Meeting of the Caribbean Plant Health Directors (CPHD) Forum.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Plant Health	Bangladesh	24 July 2012 to 02 August 2012 PRA Training (\$10,000.00)	The implementation of the World Trade Organization Agreement on the Application of Sanitary and Phytosanitary Measures in 1995 established the central role of pest risk analysis (PRA) as the primary basis for phytosanitary decision-making. The United States and all WTO Member countries invest considerable resources and effort in establishing appropriate PRA systems, including the training of scientific staff and the development of methodologies. APHIS-PPQ has established itself as a clear leader in PRA, with one of the largest and most advanced risk analysis groups in the world - the Plant Epidemiology and Risk Analysis Laboratory (PERAL) with PPQ's Center for Plant Health Science and Technology (CPHST) in Raleigh, North Carolina provides training in Plant Risk Analysis, International participants attend this training to learn best practices for conducting their own PRAs and meeting international standards for science-based risk analysis.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Plant Health	Caribbean Region	24 July 2012 to 2 August 2012 Caribbean Plant Quarantine Officer Training (\$20,000.00)	Under the APHIS Greater Caribbean Safeguarding Initiative (GCSI), APHIS in conjunction with its implementation partner, the University of West Indies conducted a two-week training of Plant Quarantine Officers for representatives of countries in the greater Caribbean region. This training was part of the annual work plan for GCSI activities. Participant roster and agenda attached in the documents section. The objective of this activity was to train a cadre of Caribbean plant quarantine officers to gain an operational understanding and use of standardized practices and procedures to conduct safeguarding activities in their countries.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Plant Health	Chile	30 July 2012 to 5 August 2012 Lobesia Botrana program visit (\$6,500.00)	The NPPO of Chile (SAG) requested a site visit to the Lobesia botrana (European Grapevine Moth) eradication program in California. The delegation included both representatives from SAG (2) and the Chilean industry (3). The SAG delegation observed all aspects of this successful regulatory program. This request was made at the US/Chile Bilateral Technical Discussions in March 2012. SAG hopes to show industry that eradication of Lobesia botrana can be successful but only with industry support. They are hopeful they can apply what APHIS has learned, in Chile.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Plant Health	Pakistan	20 August 2012 to 30 June 2013 Pakistan SPS Technical Advisor (\$30,000.00)	Under the USDA/FAS programs supporting Plant Health and SPS strengthening in Pakistan, APHIS is providing significant technical assistance in the form of a long-term technical advisor stationed in Pakistan and subject matter experts who are providing specific expertise in the development of a series of educational modules addressing different Plant Health issues which comprise a Plant Health Safeguarding System. These training modules will be used to train Pakistan plant health officials in order to consolidate and strengthen essential knowledge and skills necessary to the function of a Plant Protection and Quarantine System in Pakistan. Texas A&M University under agreement with USDA/FAS is developing a series of on line training modules for Pakistan plant health officials, and worked on the first 3 during 2012, 1: Standard Setting and the IPPC 2: Market Access Process and 3: The WTO SPS agreement. The workshops are scheduled for January 2013 and June 2013.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Plant Health	Haiti	10 September 2012 to 14 September 2012 Fruit Fly record keeping (\$2,500.00)	Under the Greater Caribbean Safeguarding Initiative an effort to harmonize Fruit fly trapping and record keeping among countries in the Caribbean basin including Haiti is one the on-going projects. This effort in Haiti will also involve the APHIS preclearance staff who will work in conjunction with Ministry counterparts under the Mango program preclearance work plan to ensure that trapping and subsequent record keeping work is being conducted in the prescribed manner and on an on-going basis. Marco Gonzalez of APHIS Costa Rica, has conducted this work in other GCSI countries and with the concurrence of John Shaw, has agreed to travel to Haiti the week of 10 September to begin working with the Ministry and to include Haiti in his initiative to harmonize regional fruit fly data.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Plant Health	Costa Rica	20 September 2012 to 20 September 2012 Dracaena Consultations (\$2,000.00)	On 1 November 2011, Costa Rica (CR) fully implemented an industry wide program to decrease the number of pest interceptions in Dracaena spp plants shipped to the United States. This industry wide program was based on its precursor, the Pilot Clean Stock Program. APHIS requested the Clean Stock Program (CSP) as a pre-requisite to allow Dracaena spp plants over 18 inches tall to be imported into the US (as originally requested by Costa Rica during CAFTA negotiations). The final rule on this topic is soon to be published. PPQ has supported the CSP by providing trainings with Miami Inspection Station (MIS) Specialists and through bi weekly reports to the NPPO on pest interceptions in Dracaena spp shipments from Costa Rica. Recently, Costa Rica's NPPO approached APHIS-IS to further work in the improvement of the CSP by exploring the possibility of sending the CSP Supervisor and two inspectors to MIS with the purpose of discussing the CSP and to take note of MIS specialists in how to improve the program. With the final rule in place, these discussions could help in improving the program and further reducing pest interceptions in Dracaena spp shipments.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Plant Health	Thailand	10 January 2012 to 11 January 2012 Plant Biotechnology (\$5,500.00)	Biotechnology Asia Regional Workshop. A workshop was held in preparation for Rio+20 meeting for the Convention on Biological Diversity, Meeting of the Parties (MOP6) to the Cartagena Protocol on Biosafety, Conference of the Parties (COP11) to the Convention on Biological Diversity, and the CSD20 Meeting of the United Nations Commission on Sustainable Development. The general aim of the Asian Regional Workshop was to discuss the topics of these events, how these global events are interrelated and how their outcomes can be implemented at the national level in a practical way	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Plant Health	Chile	2 April 2012 to 4 February 2012 Invasive Alga Training (\$5,500.00)	International Workshop on the invasive alga, Didymosphenia geminata (didymo or rock snot): BRS participated in this workshop, 2-4 April 2012 in Puerto Varas, Chile, discussing work on the management of didymo in New Zealand with the participants.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Plant Health	Mexico	18 April 2012 to 19 April 2012 Biotechnology Cotton (\$3,500.00)	On 12 April 2012, APHIS Biotechnology Regulatory Services (BRS), participated in the GE Cotton meeting in Sonora, Mexico and made a presentation on "how we prolong the useful life of the GE technology in the US?" The trip was sponsored by USDA-FAS. Important information presented at the meeting included: Pink bollworm control and its eradication is also a complete success in northern Mexico. Boll weevil is still the number one pest in Mexico.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Plant Health	Colombia	18 April 2012 to 19 April 2012 Biosafety and Biotechnology (\$2,500.00)	BRS discussed the positive and negative biosafety aspects of agricultural biotechnology. The course was held in Cali, Colombia, BRS's participation was sponsored by Universidad del Valle, Cali, Colombia.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Plant Health	Japan	21 May 2012 to 22 May 2012 Biotechnology Roundtable (\$7,000.00)	Biotechnology Regulatory Services participated in US-Japan Biotechnology Roundtable Discussions in May 2012. BRS joined FDA and EPA officials for this FAS-led event. Discussions were held on each country's biotechnology regulatory systems and global trends in agricultural biotechnology development. The delegation traveled to Japan and South Korea during the week of 21 May 2012. The objective of the program was to share information on biotechnology regulation with Japanese counterparts in order to further understanding of biotechnology regulations.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Plant Health	Turkey	21 May 2012 to 23 May 2012 Biotechnology Regulation course (\$4,000.00)	BRS provided a resource person and made several presentations at the Biotechnology Regulation Immersion course in Ankara, Turkey, 21-23 May 2012. BRS's participation was sponsored by the United Soybean Board.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Plant Health	Mexico	24 July 2012 to 27 July 2012 Mexico GE Corn consultations (\$4,000.00)	National Institute of Ecology/GE Corn General Public Forum/Post Meeting. The main objective for this meeting was to exchange information/ideas about one or more arthropod species that may serve as an early indicator of the possible changes that GE corn may bring to the environment. Researchers in Mexico are gathering information about biotechnology regulation in the US, and BRS shared references and additional information on crop production practices. National GE Corn General Public Forum: On 26 and 27 July 2012, BRS also participated in an open meeting with about 145 participants in Guadalajara, Mexico. There were seven technical presentations, ranging from corn diversity and commercialization, to the impact of this technology on the environment and pest management, and five additional regulatory topics.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Plant Health	Chile	25 July 2012 to 26 July 2012 Environmental Risk Assessment (\$5,000.00)	BRS attended an Environmental Risk Assessment workshop in Santiago, Chile, and gave an overview of BRS's role and discussed the environmental risk assessment of GE plants in the United States.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov
Plant Health	Global	5 September 2012 to 21 September 2012 Biotechnology Training (\$2,500.00)	Agricultural Biotechnology Short Course: This course was held at the Michigan State University, 10-21 September 2012. BRS provided an overview of APHIS regulatory policy on the first day of this two week course which was conducted in collaboration with USDA-FAS. The FAS-sponsored students, which made up about half of the class, are part of the Cochran Fellowship Program and mainly came from Latin America. The remaining students were from Sub Sahara Africa and Southeast Asia. During the conclusion of this short course in Washington DC, BRS also represented APHIS on a panel of regulators. BRS expects to participate in this short course again in 2013.	Richard Pacer (1 202)799 7126 Richard.Pacer@aphis.usda.gov

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Plant Health	Argentina	11 October 2012 to 27 October 2012 Biological Control of Invasive Pests (\$9,200.00)	The Foreign Agricultural Service's (FAS) Cochran Fellowship Program provided training for two Cochran Fellows from Argentina (2) to attend training in the Biological Control of Invasive Pests in collaboration with the Agricultural Research Service (ARS). The training focused on basic scientific and regulatory knowledge of classical biological control of Argentine invasive pests in the United States. The goal of this training was to facilitate: (1) the future use in the United States of beneficial organisms from Argentina and (2) the biological control techniques as a more common pest control approach in Argentina.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Plant Health	Costa Rica	18 August 2012 to 25 August 2012 MSU Molecular Plant Breeding Course (\$4,400.00)	The Foreign Agricultural Service's Cochran Fellowship Program trained one Fellow from Costa Rica in Molecular Plant Breeding held by Michigan State University. The course focused on molecular techniques available to a plant breeder for crop improvement and marker assisted selection with successful examples from around the world. In addition, this course introduced the participants on how to develop international collaborations in plant breeding and approach funding opportunities nationally, regionally and internationally.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Plant Health	Haiti	17 June 2012 to 30 June 2012 APHIS Plant Health and Systems Analysis Course (\$10,133.00)	The Foreign Agricultural Service's Cochran Fellowship Program sponsored five Fellows from Haiti (3) and Mexico (2) in Plant Health Systems Analysis course held by the Animal and Plant Health Inspection Service (APHIS) in Raleigh, North Carolina and Greenbelt, Maryland. The program focused on the Fundamental Concepts of Plant Health, International Standards and Agreements, Legislative Authorities and Plant Health Regulatory Functions. The goal of the course was to strengthen the plant health systems in Haiti and Mexico, and improve the Fellows ability to identify the elements and functions of plant health systems to determine what quarantine measures are needed to implement in their respective countries.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov

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Plant Health	Mexico	17 June 2012 to 30 June 2012 APHIS Plant Health and Systems Analysis Course (\$10,133.00)	The Foreign Agricultural Service's Cochran Fellowship Program sponsored five Fellows from Haiti (3) and Mexico (2) in Plant Health Systems Analysis course held by the Animal and Plant Health Inspection Service (APHIS).The program focused on the Fundamental Concepts of Plant Health, International Standards and Agreements, Legislative Authorities and Plant Health Regulatory Functions.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Plant Health	China	1 October 2011 to 31 December 2011 Soybean Processing & Utilization Research-VSP-2012 (\$10,188.00)	A visiting scientist from China conducted a project funded by the United Soybean Board (USB) to develop proteomic methodology to identify differences in protein expression in soybean roots exhibiting the resistance response compared to the susceptible response at different time points. This research was conducted at the USDA/ARS/Soybean Genomics and Improvement Laboratory, Beltsville, MD.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Plant Health	China	1 October 2011 to 28 February 2012 Citrus Greening Antibodies Research-VSP-2012 (\$14,455.00)	A visiting researcher from China worked to develop recombinant antibodies specific for the pathogens that cause citrus greening (Huanglongbing) disease. This research was conducted at the USDA/ARS/Molecular Plant Pathology Laboratory, Beltsville, Maryland.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Plant Health	China	1 October 2011 to 30 June 2012 Fruit Research-VSP-2012 (\$26,370.00)	A visiting researcher from China conducted research on understanding the role of reactive oxygen species (ROS) in postharvest biocontrol systems utilizing yeast. This research was conducted at the USDA/ARS/Appalachian Fruit Research Station, Kearneysville, WVA.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Plant Health	China	2 January 2012 to 30 September 2012 Fruit Research-VSP-2012 (\$19,688.00)	A visiting researcher from China worked on major challenges for fruit production worldwide. Given the rapid evolution of viruses and the complex life cycles and genetics of fruit trees, using conventional approaches to breed desired cultivars is often difficult. The gene silencing mechanism underlying the resistance becomes ineffective at lower temperatures, which raises questions regarding the stability of the engineered trait under field conditions. Another concern when engineering virus resistance in transgenic plants is transgene flow, which may facilitate the evolution of virus-resistant weeds or other invasive species.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov

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Plant Health	France	1 January 2012 to 31 August 2012 Citrus & Subtropical Products Research-VSP-2012 (\$11,328.00)	A visiting researcher will conducted research experiments evaluating flavor of tangerines by using gas chromatography and sensory analysis. These new quality standards based on flavor attributes will improve fruit quality, maturity and development. This research was conducted and funded by the USDA/ARS/Horticultural Research Laboratory, Citrus and Subtropical Products Unit, Fort Pierce, Florida.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Plant Health	Hungary	1 October 2011 to 30 June 2012 Grain Quality Measurement-VSP-2012 (\$83,702.00)	Visiting researcher work on Grain Quality Measurement: From 1 October 2011 - 30 June 2012, a visiting researcher will conduct research and training to contribute to GIPSA official grain quality measurement programs. The specific work deals with dielectric grain moisture measurement, near infrared analysis, and digital image analysis. This research was conducted at the USDA/GIPSA/Technical Services Division, Kansas City, MO.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Plant Health	Russian Federation	1 October 2011 to 30 September 2012 Plant Health-VSP-2012 (\$36,504.00)	A visiting researcher worked on the application of plant disease resistance to pathogens at the molecular-level. The collaboration assisted in the development of new diagnostic approaches and safe control mechanisms for plant diseases.	Brian Guse (1 202)690 2870 Brian.Guse@fas.usda.gov
Food Safety	Afghanistan	7 December 2011 to 7 December 2011 Technical Exchange – Food Safety & Regulations \$1,036.00	US Food and Drug Administration hosted Borlaug Fellows from Afghanistan in an information exchange on food safety regulations and programs.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	Afghanistan, Australia, Belize, Bolivia, Plurinational State of, Egypt, El Salvador, Ethiopia, Germany, Haiti, Serbia, Tunisia, Turkey, Uganda, Viet Nam, India, Israel, Jordan, Kenya, Latvia, Mexico, Nigeria, Poland	7 June 2012 to 7 June 2012 Technical Exchange – Food Safety & Regulations \$129.50	Under a US State Department sponsored program, US Food and Drug Administration hosted international visitors from Afghanistan, Australia, Belize, Bolivia, Egypt, El Salvador, Ethiopia, Germany, Haiti, Serbia, Tunisia, Turkey, Uganda, Viet Nam, India, Israel, Jordan, Kenya, Latvia, Mexico, Nigeria, and Poland to share technical information on enforcement practices and food safety regulatory system.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov

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Food Safety	Africa Region	20 January 2012 to 20 January 2012 Technical Exchange - African Cashew Alliance \$259.00	US Food and Drug Administration collaborated with African Cashew Alliance to exchange food safety information, with focus on tree nuts, the implementation of Food Safety Modernization Act (FSMA) and its impact on domestic and foreign producers.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	Argentina	16 April 2012 to 16 April 2012 Technical Exchange – SPS \$64.75	US Food and Drug Administration hosted a meeting with delegation from Argentina to share SPS information.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	Armenia	26 October 2011 to 26 October 2011 Technical Exchange – Food Safety Control Systems \$194.25	US Food and Drug Administration hosted an Armenian delegation to explore creating a Professional Affiliation Program for information exchange on food safety control systems.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	Armenia	30 January 2012 to 17 February 2012 Training – Research Food Safety Control Systems \$9,324.00	US Food and Drug Administration hosted an Armenian food technology scientist for one month training to research food safety control systems.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	Bangladesh	1 December 2011 to 11 December 2011 Good Aquaculture Practices Workshop \$20,781.27	The US Food and Drug Administration and the Joint Institute of Food Safety and Applied Nutrition conducted a two week capacity building workshop on Good Aquaculture Practice for Bangladesh government and industry representatives.	Eric Olson, (1 240) 402 1674 eric.Olson@fda.hhs.gov
Food Safety	Bangladesh	21 September 2012 to 21 September 2012 Technical Exchange - Good Aquaculture Practices \$8,711.56	The US Food and Drug Administration hosted a meeting with Bangladesh government representatives to gauge progress of training and implementation for Good Aquaculture Practices and discuss status for Food Safety Labs	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	Brazil	21 May 2012 to 21 May 2012 Technical Exchange – Food Safety Regulations, \$3,626.00	The US Food and Drug Administration hosted an information exchange with Brazilian representatives for various aspects of regulations and programs pertaining to food safety; oversight of mycotoxins in stored grain; and capacity training and laboratory facilities.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	Bulgaria	1 January 2012 to 31 December 2012 Technical Exchange & Research \$0.00	The US Food and Drug Administration hosted a Bulgarian scientist in a technical exchange to research genetic chronic/sub chronic, and toxicity data of cosmetic ingredients and related food ingredients (e.g., food, drug and cosmetic colorants), and participate in the quality control and quality assurance of the data. The candidate worked with the Office of Food Additive Safety and Office of Colors and Cosmetics and Liverpool John Moores University.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov

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Food Safety	Chile	12 December 2011 to 12 December 2011 World Health Organization Program - Women in Agriculture in Latin America \$64.75	US Food and Drug Administration met with Chilean representative to Discuss World Health Organization program for women in agriculture in Latin America.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	Chile	17 August 2012 to 29 August 2012 Workshop - Food Microbiology Laboratory \$26,680.16	US Food and Drug Administration technical experts participated in capacity building Workshop in the Food Microbiology Laboratory at Instituto de Salud Pública de Chile in Santiago.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	China	17 November 2011 to 17 November 2011 Technical Exchange – Food Safety Regulations \$1,359.75	US Food and Drug Administration hosted a series of lectures on various aspects of food safety regulations and programs with Chinese food safety regulators.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	China	7 November 2011 to 7 November 2011 Technical Exchange – Risk assessment, Detection & Traceback methods \$777.00	US Food and Drug Administration hosted a one-day information exchange with Chinese food safety regulators on risk assessment, detection and trace back methods.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	China	19 April 2012 to 19 April 2012 Technical Exchange – Laboratories \$582.75	US Food and Drug Administration hosted a one-day information exchange with Chinese food safety regulators on laboratories.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	China	23 April 2012 to 23 April 2012 Technical Exchange – Risk Assessment \$129.50	US Food and Drug Administration and the Joint Institute of Food Safety and Applied Nutrition hosted an information exchange on the use of risk assessment in food safety.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	China	20 June 2012 to 20 June 2012 Technical Exchange – Cronobacter spp. & DNA MicroArray experiments \$4,144.00	US Food and Drug Administration scientists exchanged scientific information with Chinese food safety regulators on Cronobacter spp., and performing DNA MicroArray experiments and other collaborations.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	China	10 July 2012 to 11 July 2012 Technical Exchange – Food Safety Regulations \$4,144.00	A twenty-two member delegation from China's Food Safety Commission Office (FSCO) met with the US Food and Drug Administration to exchange views on food safety regulations and programs.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	China	9 July 2012 to 9 July 2012 Technical Exchange – Food Safety Systems & Risk Communication \$534.19	US Food and Drug Administration hosted two Chinese Borlaug Fellows, to meet with CFSAN and CVM Subject Matter Experts to discuss the food safety systems and risk communication, as it pertains to plant and Animal products derived from biotechnology.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	China	9 July 2012 to 9 July 2012 \$194.25 Visit - CFSAN Laboratories	US Food and Drug Administration bioanalytical scientist met with fourteen members of a Chinese delegation to visit FDA CFSAN laboratories.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov

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Food Safety	China	21 May 2012 to 30 May 2012 Training - Food Inspector Training \$78,000.00	Joint Institute of Food Safety and Applied Nutrition (JIFSAN) developed training modules for inspections training. JIFSAN trainers conducted 10-day Food Inspector Training (FIT) program as a pilot in Nanning, Guangxi, China.	Eric Olson, (1 240) 402 1674 eric.Olson@fda.hhs.gov
Food Safety	China	29 October 2011 to 9 November 2011 Technical Exchange \$15,419.40	In efforts to build capacity, US Food and Drug Administration officials traveled to China to participate in senior level meetings with food industry representatives; site visit and meetings with the local China Inspection and Quarantine Bureau (CIQ) officials (31 October-1 November); bilateral meetings and technical discussions with SFDA (China's State Food and Drug Administration), AQSIQ (Administration of Quality Supervision, Inspection and Quarantine).	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	China	1 November 2011 to 5 November 2011 Technical Exchange & Food Defense Workshop \$5,035.33	US Food and Drug Administration provided technical support for bilateral meetings with Chinese food safety officials in Beijing and conducted a one-day food defense awareness workshop in Shanghai.	Cory Bryant Cory.Bryant@fda.hhs.gov
Food Safety	China	24 May 2012 to 8 June 2012 Training Manufacturing of Acidified Foods & LACF \$15,461.13	US Food and Drug Administration supervised training for Chinese regulators for Manufacturing of Acidified Foods and Low Acid Canned Foods offered by the College of Food Science in Qingdao, China.	Dan Geffin (1 240) 402 2069 Daniel.Geffin@fda.hhs.gov
Food Safety	China	25 November 2012 to 30 November 2012 Technical Exchange - Aquaculture Regulatory Controls \$13,398.00	US Food and Drug Administration met with authorities in China to exchange information regarding aquaculture regulatory controls for seafood.	Bill Jones (1 240) 402 1422 william.Jones@fda.hhs.gov
Food Safety	Colombia	27 August 2012 to 27 August 2012 Technical Exchange – Biotech Regulatory Processes \$485.63	US Food and Drug Administration technical expert exchanged information with Colombian delegation biotechnology regulatory processes	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	Costa Rica, Belize, El Salvador, Guatemala,	11 June 2012 to 15 June 2012 Workshop – GAP GMPs \$22,726.08	Joint Institute for Food Safety and Applied Nutrition conducted a five-day workshop in Tela, Honduras on GAP.-GMPs. Representatives from nine Central American countries participated.	Eric Olson, (1 240) 1674 eric.Olson@fda.hhs.gov
Food Safety	Ecuador	11 June 2012 to 11 June 2012 Technical Exchange – HACCP \$906.50	US Food and Drug Administration hosted a delegation from Ecuador to discuss seafood HACCP processes and requirements.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov

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Food Safety	Ecuador	19 July 2012 to 19 July 2012 Technical Exchange \$1,295.00	As a capacity building activity, the US Food and Drug Administration subject matter experts met with EcDSS proposes to discuss the most current data submission by the firm and review their HACCP program. These actions are in direct response to compliance action taken against the firm.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	El Salvador	27 February 2012 to 2 March 2012 Technical Exchange \$5,027.10	US Food and Drug Administration Subject Matter Expert travelled to San Salvador, El Salvador to conduct a site visit of in country training on how to grow fresh fruits and vegetables safely and data collection process. The program is being administered by the World Health Organization and involves partners from the US FDA, FAO, and PAHO. Implementation of the program will decrease microbial contamination of fresh fruits and vegetables domestically and for export to the United States.	Marjorie Davidson (1 240) 402 1588 Marjorie.Davidson@fda.hhs.gov
Food Safety	El Salvador	24 June 2012 to 29 June 2012 Technical Exchange \$4,955.40	US Food and Drug Administration Subject Matter Expert conducted a site visit of in country training on Growing Safer Fruits and Vegetables in El Salvador and to meet with researchers to develop design protocols for data collection and reporting. The program is being administered by the World Health Organization and involves partners from the US FDA, FAO, and PAHO. Implementation of the program will decrease microbial contamination of fresh fruits and vegetables domestically and for export to the United States.	Marjorie Davidson (1 240) 402 1588 Marjorie.Davidson@fda.hhs.gov
Food Safety	El Salvador	25 June 2012 to 28 June 2012 Technical Exchange – Lab Methods for Cronobacter Detection \$7,770.00	The Joint Institute for Food Safety and Applied Nutrition and the US Food and Drug Administration conducted a capacity building activity on laboratory methods for cronobacter detection for technical experts from China and El Salvador.	Eric Olson, (1 240) 402 1674 eric.Olson@fda.hhs.gov
Food Safety	Ethiopia	1 November 2011 to 1 November 2011 Technical Exchange – Food Safety Regulations \$534.19	US Food and Drug Administration hosted an information sharing meeting with a Delegation from Ethiopia to discuss food safety regulatory requirements for ensuring the safety food and feed.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	Guatemala, Korea, Republic of Indonesia	16 April 2012 to 26 April 2012 Training - Mycotoxins \$1,200.00	Joint Institute of Food Safety sponsored a Mycotoxins course through the International Food Safety Training Lab for technical experts from Guatemala, South Korea and Indonesia.	Eric Olson, (1 240) 402 1674 eric.Olson@fda.hhs.gov

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Food Safety	India	19 October 2011 to 19 October 2011 Technical Exchange – Food Safety Regulations \$582.75	US Food and Drug Administration subject matter experts met with Indian representatives to discuss food safety regulations and programs.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	India	26 April 2012 to 26 April 2012 Technical Exchange – Food Safety, Spices \$485.63	US Food and Drug Administration met with Indian representatives to exchange information on food safety measures to be taken for spices exported from India.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	India	14 January 2012 to 22 January 2012 Training – GAQPs \$9,080.58	Joint Institute for Food Safety and Applied Nutrition provided a capacity building training program in Good Aquaculture Practices in Chennai India.	Eric Olson, (1 240) 402 1674 eric.Olson@fda.hhs.gov
Food Safety	India	13 September 2012 to 23 September 2012 Training – Supply Chain Management \$13,161.36	Joint Institute for Food Safety and Applied Nutrition provided a capacity building training program for Supply Chain Management for Spices and Botanical Ingredients in Kochi, India.	Eric Olson, (1 240) 402 1674 eric.Olson@fda.hhs.gov
Food Safety	Indonesia	6 October 2011 to 6 October 2011 Technical Exchange – Inspection Systems \$1,036.00	US Food and Drug Administration hosted a capacity building information exchange with Indonesia regulators on inspection systems for fishery products.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	Iraq	8 November 2011 to 8 November 2011 Technical Exchange – Food Safety Regulations \$841.75	US Food and Drug Administration hosted a capacity building information exchange with Iraqi officials to discuss food safety regulations and programs.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	Israel	6 December 2011 to 6 December 2011 Technical Exchange – Food Safety & Risk Assessment \$291.38	US Food and Drug Administration hosted a capacity building information exchange to discuss various aspects of food safety and risk assessment.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	Malaysia	7 July 2012 to 18 July 2012 Training – Seafood Safety \$10,235.22	US Food and Drug Administration subject matter expert provided training at the Asian Pacific Economic Cooperation (APEC) forum - Seafood Safety Training Course held in Penang, Malaysia.	Brett Koonse 301 436 1415 brett.koonse@fda.hhs.gov
Food Safety	Mexico	8 December 2011 to 8 December 2011 Technical Exchange – GAPS \$971.25	US Food and Drug Administration subject matter experts had information exchange with Mexican authorities regarding safe agricultural practices for papayas.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	Mexico	5 March 2012 to 6 March 2012 Technical Exchange – Lab Methods for Foodborne Pathogens \$906.50	US Food and Drug Administration subject matter experts had information exchange with Mexican authorities on laboratory methods on foodborne pathogens.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	Mexico	24 September 2012 to 28 September 2012 Technical Exchange – Laboratories \$1,359.75	Mexican regulators visited FDA laboratories to gain an understanding of the labs structure and function, so that Mexico can develop a lab in Sinaloa.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov

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Food Safety	Mexico	6 December 2011 to 9 December 2011 Training – GAP's Train the Trainer \$13,000.00	Joint Institute for Food Safety and Applied Nutrition conducted GAPs Training train the trainer training in Mexico.	Eric Olson, (1 240) 402 1674 eric.Olson@fda.hhs.gov
Food Safety	Panama	9 April 2012 to 15 April 2012 Executive Leadership in Food Safety Program \$5,532.66	Capacity building for Latin America Executive Leadership in Food Safety (ELFS) Program: The Multiple of Roles of Agricultural Health and Food Safety.	Julie Moss (1 240) 402 2031 julie.moss@fda.hhs.gov
Food Safety	Peru	10 February 2012 to 10 February 2012 Technical Exchange – Food Safety Systems \$647.50	US Food and Drug Administration food safety experts met with Peruvian food safety regulators to exchange information on food safety systems, inspections and enforcement actions.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	Peru	9 July 2012 to 13 July 2012 Training – Inspections: LACF, Metal Containers - BAM \$5,180.00	The purpose of this trip to Callo, Peru was to provide Training on Examination of Low Acid Canned Foods and Examination of Metal Containers for Integrity-Bacteriological Analytical Manual (BAM) Chapters 21A & 22A (Mainly on the Microbiological aspect of detecting can deterioration and double can seam defects for microbiological analytical testing). The project was sponsored by USDA/FAS as part of a long term capacity building program aimed to strengthen Peru's food safety system to meet US and International Standards. Participation from ITP as well as professionals from different entities was gathered for the workshop (SENASA, SANIPE (Investigator from DIGESA branch) and a Process Authority (Calidad Dinámica).	Santos Camara 1 425 483 4873 Santos.Camara@fda.hhs.gov
Food Safety	Peru	11 August 2012 to 25 August 2012 Observe BPCS Training \$7,267.00	In a capacity building activity, US Food and Drug Administration food safety expert participated as observer at the initial Better Process Control School (BPCS) in Peru.	Dan Geffin (1 240) 2069 Daniel.Geffin@fda.hhs.gov
Food Safety	Singapore, Cambodia, Brunei, Burma, Indonesia, Viet Nam, Laos, Thailand	19 April 2012 to 19 April 2012 Technical Exchange – Food Safety Systems & Regulatory Controls \$129.50	US Food and Drug Administration provided an information exchange for representatives from Singapore, Cambodia, Brunei, Burma, Indonesia, Viet Nam, Laos, and Thailand on food safety systems and regulatory controls.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	South Korea	29 May 2012 to 1 June 2012 Technical Exchange – PATRN, FERN, PFGE Training \$6,216.00	US FDA exchanged information with Korean regulators Pathogen Annotated Tracking Resource Network (PATRN) System; the Food Emergency Response Network (FERN); current work on using the DiversiLab System for subtyping Salmonella; and PFGE training.	Mariana Solmotis 301 210 8799 Marianna.Solomotix@fda.hhs.gov

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Food Safety	Chinese Taipei	6 December 2011 to 6 December 2011 Technical Exchange – Food Additives \$4,144.00	US FDA had an information exchange with officials of Chinese Taipei to discuss food Contact classifications and specifications of food additives and determination of food additives and review with OFAS staff scientists and Senior Managers.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	Chinese Taipei	6 April 2012 to 6 April 2012 Technical Exchange – Food Safety Regulations \$1,165.50	US FDA had an information exchange with officials of Chinese Taipei to discuss food safety regulations and programs and provide to receive a tour of the FDA laboratories.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	Thailand	5 June 2012 to 5 June 2012 Technical Exchange – HACCP Inspections \$1,456.88	US FDA provided a capacity building activity to perform research in Thailand; the basic process of conducting seafood HACCP inspections.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	Thailand	21 September 2012 to 21 September 2012 Technical Exchange – Food Additives \$388.50	US FDA provided an information exchange for Thai food safety regulators for food additives.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	Thailand, Indonesia	11 September 2012 to 11 September 2012 Technical Exchange – Food Safety Training Programs \$0.00	To provide an update on the operation of JIFSAN and USFDA on food safety training programs and to discuss the future collaboration.	Eric Olson, (1 240) 402 1674 eric.Olson@fda.hhs.gov
Food Safety	Thailand	30 July 2012 to 30 July 2012 Technical Exchange – FDA Pilot Program, \$129.50	US Food and Drug Administration met with Thailand officials to discuss a capacity building pilot program.	Eric Olson, (1 240) 402 1674 eric.Olson@fda.hhs.gov
Food Safety	Turkey	22 February 2012 to 22 February 2012 Technical Exchange – Emergency Response \$64.75	US Food and Drug Administration provided an information exchange on emergency response, PulseNET system, and approaches to food borne illness to food safety representative from Turkey.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	Viet Nam	10 April 2012 to 10 April 2012 Technical Exchange – GMO's \$64.75	US Food and Drug Administration provided an information exchange to Viet Nam food safety regulators on genetically engineered organisms.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	Viet Nam	4 May 2012 to 4 May 2012 Technical Exchange – GAPs \$194.25	US Food and Drug Administration representatives and a Vietnamese delegation in an information exchange for safe agriculture practices and food safety control of agro-forestry and fishery products.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	Viet Nam	30 August 2012 to 30 August 2012 Technical Exchange – Food Safety Control Systems \$453.25	US Food and Drug Administration exchanged information with Vietnamese Delegation on food safety control systems.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov

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Food Safety	India, Uruguay, China, United Arab Emirates, Canada, Chinese Taipei, Costa Rica, Italy, Hungary, Australia, and Turkey	1 October 2011 to 30 September 2012 Technical Exchange – FSMA Outreach \$4,000.00	During the course of Fiscal Year 2012, US Food and Drug Administration subject matter experts conducted 16 outreach presentations for international stakeholders on the FDA Food Safety Modernization Act (FSMA). Subject matter experts presented on FSMA provisions and answered stakeholder questions. The goal of these presentations is to familiarize stakeholders with FSMA provisions and gather input into proposals and implementation activities.	Sharon Natanblut, 301 796 4500, sharon.natanblut@fda.hhs.gov
Food Safety	Viet Nam, Chile, Indonesia, Philippines, Mexico, Canada, Peru, China	14 May 2012 to 18 May 2012 Training – Pesticide Lab \$7,770.00	JIFSAN conducted pesticide lab training for representatives from Viet Nam, Chile, Indonesia, Philippines, Mexico, Canada, Peru, China.	Eric Olson, (1 240) 402 1674 eric.Olson@fda.hhs.gov
Food Safety	Bangladesh	23 January 2012 to 27 January 2012 Training – Seafood Train the Trainer \$10,000.00	The Joint Institute of Food Safety and Applied Nutrition conducted a three-day seafood train-the-trainer workshop in Bangladesh.	Eric Olson, (1 240) 402 1674 eric.Olson@fda.hhs.gov
Food Safety	Brazil	12 December 2011 to 12 December 2011 Technical Exchange – Outbreak Response & Evaluation \$485.63	The US Food and Drug Administration hosted an information exchange with Brazilian technical food safety representatives on outbreak response and evaluation, retail food protection and Ceramic Ware.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	Brazil	26 January 2012 to 26 January 2012 Technical Exchange – Food Safety Regulations \$291.38	The US Food and Drug Administration hosted a information exchanges with Brazilian representatives on regulatory aspects of food safety requirements for orange juice and pesticide tolerances.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov
Food Safety	Brazil	21 June 2012 to 21 June 2012 Technical Exchange – Food Safety Control Systems \$129.50	The US Food and Drug Administration hosted three officials from the Brazilian National Industrial Training Service (SENAI) to exchange information on food safety control systems.	Fernando Gonzalez, (1 240) 402 1178, Fernando.Gonzalez@fda.hhs.gov