

**TECHNICAL ASSISTANCE TO DEVELOPING COUNTRIES  
PROVIDED BY AUSTRALIA**

The following communication, dated 8 March 2004, is being circulated at the request of the Delegation of Australia.

1. In response to the Secretariat's request in G/SPS/W/101, Australia submits the following compilation of technical assistance provided to developing countries between January 2000 and December 2002, in accordance with Article 9 of the Agreement on the Application of Sanitary and Phytosanitary Measures (see attached table). The assistance was primarily aimed at helping developing countries to adjust to, and comply with, sanitary and phytosanitary measures in their export markets. Because of the number of Australian government agencies and the various delivery programs involved, the attached list is not an exhaustive compilation of all relevant technical assistance, and a small number of projects will have been omitted.
2. The monetary value of the official development assistance given amounted to over A\$56 million, and it should be noted that, in many cases, the organisations providing the assistance also made substantial additional in-kind contributions to projects.
3. Assistance was given to 45 Member and Observer countries, mainly in the Asia-Pacific Region, but also in Africa, the Middle East and South America. Most assistance was directed to individual countries, but assistance was also provided to groups of countries or regional organisations such as Pacific Island countries, the Association of South-East Asian Nations (ASEAN), and the Asia Pacific Economic Cooperation (APEC).
4. Australia's assistance covered all four broad categories listed in G/SPS/GEN/206: information; training; 'soft' infrastructure development; and 'hard' infrastructure development. Furthermore, Australian assistance covered most of the 'typical areas of competence' listed under the headings of food safety, animal health and plant protection, in the annex of G/SPS/GEN/206.
5. The terms used in Table 1 to categorise the projects according to sector are those listed in the annex of G/SPS/GEN/206.
6. In all, 115 projects are listed, with 43 relating to plant protection, 34 to animal health, 18 to food safety, 8 to a combination of animal health and plant protection, 8 to a combination of plant protection and food safety, and 4 to a combination of animal health, plant protection and food safety.

**AUSTRALIAN GOVERNMENT AGENCIES INVOLVED IN PROVIDING TECHNICAL ASSISTANCE**

7. The Australian Government and State and Territory Governments are the primary organisations involved in delivering Australia's technical assistance to developing countries. Within

the Australian Government the principal departments involved are the Department of Agriculture, Fisheries and Forestry (DAFF), Department of Health and Ageing (DoHA), and Department of Foreign Affairs and Trade (DFAT).

8. The relevant groups within DAFF that are responsible for agricultural biosecurity in Australia are Biosecurity Australia, the Australian Quarantine and Inspection Service (AQIS) and Product Integrity, Animal and Plant Health (PIAPH).

9. Biosecurity Australia conducts research and development of policy and procedures to protect Australia's animal and plant health status and natural environment in consultation with industry, other government agencies and the community. Biosecurity Australia is responsible for developing new policies or reviewing existing quarantine policy on imports of animals and plants and their products. The development of new import policy is based on science and, in particular, on a rigorous process of risk analysis. Biosecurity Australia also assists Australia's export market access program by negotiating with overseas trading partners, and participating in international meetings and organisations.

10. AQIS is the operational arm of Australia's biosecurity framework. AQIS is charged with protecting Australia's animal, plant and human health status, and has a clear legislative mandate to do this under the *Quarantine Act 1908*. To ensure the integrity of Australia's borders, AQIS performs quarantine inspection services when international passengers, cargo, mail, animals and plants or their products arrive in Australia. AQIS is also charged with enabling Australia's exports to achieve and maintain market access through an inspection and certification service for an extensive range of animal and plant products exported from Australia. The Northern Australia Quarantine Strategy (NAQS) protects the quarantine integrity of the northern Australian coastline through an early warning program of scientific surveys and monitoring, border activities and public awareness. NAQS also encompasses surveillance and monitoring offshore, in collaboration with the relevant authorities in Indonesia, Papua New Guinea and East Timor.

11. PIAPH works to manage animal health and welfare, plant health and protection, residues, food safety, and agricultural and veterinary chemicals. PIAPH leads national responses to significant pest, disease and food contaminant emergencies, and facilitates the development of national infrastructure and policies, and international standards development and review.

12. DoHA is responsible for all aspects of human quarantine, and food safety and its standards within Australia. Within the health and ageing portfolio, Food Standards Australia New Zealand (FSANZ), is the statutory authority with prime responsibility for developing food standards and other food regulatory measures for Australia and New Zealand. It also acts as a risk assessor in relation to imported food, and coordinates monitoring of the food supply, enforcement of food standards and all Australian food recalls.

13. Australia's overseas aid program is administered through the Australian Agency for International Development (AusAID) and the Australian Centre for International Agricultural Research (ACIAR). AusAID is an administratively autonomous agency, within the foreign affairs and trade portfolio and ACIAR is an Australian Government statutory authority that operates as part of AusAID. Australia's aid programs are primarily funded through AusAID and ACIAR, with substantial in-kind contributions from the Australian Government and State and Territory Government providers. In addition, DFAT presents WTO training workshops and conferences to which foreign government and non-government officials are often invited, and DFAT is a contributor to the WTO Global Trust Fund (including its work on WTO SPS issues).

**III. Member: Australia**

**Technical Assistance Provided to Members and Observers: January 2000 to December 2002**

<i>Sector</i>	<i>Description of Particular Programme:</i>	<i>Form of Assistance:</i>	<i>Provided to:</i>	<i>Contacts:</i>
Animal Health and Plant Protection	Strengthening agricultural quarantine, animal and plant health	Develop enhanced quarantine capability through policy and legislative support, animal and plant health monitoring activities, emergency animal disease management training and limited infrastructure support	Indonesia	<a href="mailto:tim.buick@daff.gov.au">tim.buick@daff.gov.au</a>
Animal Health	Quality assurance training for animal health laboratories	Quality assurance systems training for six managers of national laboratories at the Australian Animal Health Laboratories (AAHL) and Victorian Institute of Animal Science to establish selected tests and quality assurance systems.	Indonesia, Thailand	<a href="mailto:tim.buick@daff.gov.au">tim.buick@daff.gov.au</a>
Plant Protection and Food Safety	Internet database of Plant Protection and Food Safety standards	Facilitate growth in trade in food products between Indonesia and Australia by increasing understanding of Australian food safety and import requirements and regulations amongst Indonesian food exporters and government officials. Outputs include a comprehensive plain English / plain Bahasa Indonesia description of Australian quarantine regulations and food standards relevant for Indonesian exporters posted on the Internet.	Indonesia	<a href="mailto:infoausaid@ausaid.gov.au">infoausaid@ausaid.gov.au</a>
Food Safety	Indonesia Perishables Cool Chain Project	Develop basic perishables supply/cool chain criteria through an informal workshop, training and awareness program, production and dissemination of pamphlets, study solutions and other relevant information/materials to encourage the uptake of improved post-harvest supply/cool chain practices in Indonesia	Indonesia	<a href="mailto:infoausaid@ausaid.gov.au">infoausaid@ausaid.gov.au</a>

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Food Safety	Food safety - institutional strengthening	Support establishment of the Food Stars and Food Watch programs, as identified in Indonesia's National Integrated Food Safety System (IFSS) through improved microbiological and chemical safety of the food supply; introduction of a food safety education and award system that applies from paddock to plate throughout Indonesia; local support for food businesses to develop step-by-step, risk based food safety programs.	Indonesia	<a href="mailto:infoausaid@ausaid.gov.au">infoausaid@ausaid.gov.au</a>
Food Safety	Food import labelling and composition guide – bahas guide	Design and implementation of food safety programs in small to medium industry, strengthening of food analysis capabilities within the Indonesian health system, review and improvement of food monitoring and surveillance systems in Indonesia. The food safety training course modules will be adopted by the BSN (Badan Standardisasi Nasional) as a national standard. The establishment of an organisation for food inspectors will help to promote the transfer of information and facilitate the consistent implementation of food safety programs throughout Indonesia.	Indonesia	<a href="mailto:infoausaid@ausaid.gov.au">infoausaid@ausaid.gov.au</a>
Plant Protection	Development of a national plant disease herbarium and pathogen collection	Training in fungal diagnostics, improved awareness activities, preservation of plant disease specimens, provision of laboratory infrastructure, including computer equipment, software and training.	Indonesia, Thailand	<a href="mailto:Graeme.evans@daff.gov.au">Graeme.evans@daff.gov.au</a>
Plant Protection, Animal Health, and Food Safety	Agricultural Quarantine Support Project	Improve the PNG government's capacity to provide quarantine, animal and plant health services to protect and enhance PNG's agricultural industries and natural resources.	Papua New Guinea	<a href="mailto:infoausaid@ausaid.gov.au">infoausaid@ausaid.gov.au</a>

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Plant Protection, Animal Health, and Food Safety	Australian Contribution to National Agricultural Research Systems	Assisting Government of Papua New Guinea in the establishment of the National Agriculture Research Institute (NARI) to enhance the well-being of smallholder farmers involved in food production and livestock.	Papua New Guinea	<a href="mailto:infoausaid@ausaid.gov.au">infoausaid@ausaid.gov.au</a>
Animal Health and Plant Protection	Workshop	Training and technical assistance in plague control	Peru	<a href="mailto:infoausaid@ausaid.gov.au">infoausaid@ausaid.gov.au</a>
Animal Health	Foot and Mouth Disease (FMD) Control	Technical and management support contributing to the OIE recognition of Mindanao, Visayas, Palawan & Masbate as FMD free zones without vaccination.	Philippines	<a href="mailto:infoausaid@ausaid.gov.au">infoausaid@ausaid.gov.au</a>
Animal Health and Plant Health	Regional cooperation and management of SPS matters within the ASEAN countries and at their national borders.	Assistance includes needs analysis (eg. internal and border quarantine capacities), specialist technical advice, direct human resources development activities.	ASEAN countries	<a href="mailto:infoausaid@ausaid.gov.au">infoausaid@ausaid.gov.au</a>
Plant Protection	National Plant Herbaria and Arthropod Pest Collections in South-East Asia	Audit of the national arthropod pet and plant disease collections.	ASEAN countries	<a href="mailto:graeme.evans@daff.gov.au">graeme.evans@daff.gov.au</a>
Plant Protection	Plant Protection Information Exchange	Web site for regional information exchange and disease identification	ASEAN and Pacific Island countries	<a href="mailto:graeme.evans@daff.gov.au">graeme.evans@daff.gov.au</a>
Plant Protection	Standards for Developing Pest Lists	Drafted standards for the development of pest lists and guidelines for managing pest lists including the provision of associated software.	ASEAN countries	<a href="mailto:graeme.evans@daff.gov.au">graeme.evans@daff.gov.au</a>
Plant Protection	Plant Pest Risk Analysis Training	Regional workshop on pest risk analysis, including the provision of a comprehensive two-volume training manual	Thailand	<a href="mailto:graeme.evans@daff.gov.au">graeme.evans@daff.gov.au</a>
Animal Health	Development of technical regional guidelines, policies and strategies for live aquatic animal quarantine	Regional workshop and four in-country workshops to develop national aquatic animal quarantine policies and strategies and implement guidelines	APEC countries	<a href="mailto:eva-marie.bernoth@daff.gov.au">eva-marie.bernoth@daff.gov.au</a>

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Animal Health	Electronic documentation for the clearance of animal, agricultural and fish commodities	Promote and implement with APEC economies an electronic system for the transmission of government to government export/import clearance documentation.	Indonesia, Malaysia, Singapore, Thailand	<a href="mailto:infoausaid@ausaid.gov.au">infoausaid@ausaid.gov.au</a>
Plant Protection	A regional initiative to contain trans border movement of plant pests	Draft work program focussing on enhanced diagnostic capabilities and electronic management of information.	APEC countries	<a href="mailto:graeme.evans@daff.gov.au">graeme.evans@daff.gov.au</a>
Animal Health	OIE Campaign to Control and Eradicate Foot and Mouth Disease in South-East Asia (SEAFMD)	Facilitate and promote the international trade of animals and animal products by creating FMD-free areas in the region through improved veterinary services in FMD affected countries in South-East Asia, and to add value to the regional control program through activities of the SEAFMD Campaign Regional Coordination Unit.	South-East Asia	<a href="http://www.seafmd-rcu.oie.int/index.php">www.seafmd-rcu.oie.int/index.php</a>
Plant Protection	FAO - Integrated Pest Management (IPM) in Vegetables	To intensify vegetable production in a sustainable, safe, profitable and environmentally sound manner leading to reduced pesticide use in vegetable growing and minimise the associated hazards for human health and the environment.	South-East Asia	<a href="mailto:infoausaid@ausaid.gov.au">infoausaid@ausaid.gov.au</a>
Plant Protection	FAO - Integrated Pest Management (IPM) in Rice	To intensify rice production in a sustainable, safe, profitable and environmentally sound manner leading to reduced pesticide use in rice growing and minimise the associated hazards for human health and the environment.	South-East Asia	<a href="mailto:infoausaid@ausaid.gov.au">infoausaid@ausaid.gov.au</a>
Plant Protection	Regional Fruit Fly Project Phase III The Pacific Regional Fruit Fly	Help several Pacific countries achieve the levels of technical capacity and technical knowledge for fruit fly management that have been acquired by other countries.	South Pacific region	<a href="mailto:infoausaid@ausaid.gov.au">infoausaid@ausaid.gov.au</a>

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Animal Health and Plant Health	Secretariat of the Pacific Community Program and Core Funding	Regional pest management in agriculture, fisheries/forestry and health aims to alleviate poverty and promote the sustainability of food crops	South Pacific region	<a href="mailto:infoausaid@ausaid.gov.au">infoausaid@ausaid.gov.au</a>
Plant Protection, Animal Health, and Food Safety	Samoa Agriculture Sector Program Monitoring Group	Technical advice and monitoring to the Quarantine Project and MAFFM Institutional Strengthening Project.	Samoa	<a href="mailto:infoausaid@ausaid.gov.au">infoausaid@ausaid.gov.au</a>
Plant Protection, Animal Health, and Food Safety	Quarantine Support	Improved efficiency and effectiveness of the Quarantine and Regulatory Division of MAFFM.	Samoa	<a href="mailto:infoausaid@ausaid.gov.au">infoausaid@ausaid.gov.au</a>
Animal Health	Newcastle Disease in Village Poultry	Continued strengthening of the capability of stakeholders to successfully implement Newcastle disease control programs in three southern African countries, and decrease village poultry mortality rates caused by Newcastle Disease in project activity areas.	Mozambique, Malawi, Tanzania	<a href="mailto:infoausaid@ausaid.gov.au">infoausaid@ausaid.gov.au</a>
Animal Health	Thailand–Australia Government Sector Linkages Program	Pilot zoning study, and associated training and database development for the detection, surveillance and monitoring of aquatic animal diseases, particularly for prawns	Thailand	<a href="mailto:ramesh.perera@daff.gov.au">ramesh.perera@daff.gov.au</a>
Plant Protection	Capacity building in Plant Protection	Develop diagnostic capability and evaluation of herbarium specimens, including management through provision of software and computing capabilities	Thailand	<a href="mailto:Graeme.evans@daff.gov.au">Graeme.evans@daff.gov.au</a>

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Animal Health and Plant Health	Capacity building for Agriculture and Rural Development	Technical, training and other assistance to enhance Vietnam's agricultural export crops including a roundtable discussion on key trade agreements, including WTO SPS Agreement; training courses on quarantine and trading implications for Vietnam's agricultural sector from global integration, training courses on technical measures under regional and international agreements; study tour to Australia and training abroad; publishing a handbook for the agricultural sector	Vietnam	<a href="mailto:infoausaid@ausaid.gov.au">infoausaid@ausaid.gov.au</a>
Animal Health and Plant Health	Collaboration for Agriculture and Rural Development (CARD II)	To increase the productivity and competitiveness of Vietnamese smallholder agriculture and related enterprises, as well as strengthening the Ministry for Agriculture and Rural Development.	Vietnam	<a href="mailto:infoausaid@ausaid.gov.au">infoausaid@ausaid.gov.au</a>
Plant Protection	Control of the larger grain borer	Expertise to formulate a functional and sustainable program in the containment and control of larger grain borer and other storage pests.	Zambia	<a href="mailto:infoausaid@ausaid.gov.au">infoausaid@ausaid.gov.au</a>
Animal Health	Risks associated with zoonotic diseases in livestock production	To develop the surveillance capacity, determine the prevalence of and the risk factors associated with their transmission of <i>Trichinella</i> , <i>Leptospira</i> and <i>Angiostrongylus cantonensis</i> infection in livestock in the Pacific Islands. The findings of the project will be used to formulate a regional education and control program for zoonotic diseases and to establish a network on zoonoses.	Fiji, Papua New Guinea, Tonga	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>



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Animal Health	Development of a vaccine for control of Gumboro	To develop a master vaccine seed from local very virulent IBD strains, validate the level of protection provided by the attenuated vvIBD vaccine, develop an ELISA test to monitor effectiveness of experimental vvIBD vaccines, and develop an antigen test for differentiating between vvIBD virus and classical IBD virus strains.	Indonesia	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>
Animal Health	Production of a vaccine for the control of Jembrana disease	To develop and test a recombinant virus protein vaccine and a DNA vaccine for Jembrana disease in Bali cattle and also test a closely related vaccine for Bovine Immunodeficiency Virus of cattle. They will establish a protocol for vaccination against Jembrana disease in cattle and facilitate quality control and production of the vaccine by government and private enterprise.	Indonesia	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>
Animal Health	Understanding the socio-economic significance of Surra cattle disease	To provide preliminary information about the cultural, social, political and economic context of livestock disease in Indonesia, and to determine the likely effect on the transfer to Indonesian institutions of diagnostic technologies and control techniques.	Indonesia	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>

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Animal Health	Development of diagnostic and control methodologies for animal trypanosomiasis	Hands-on workshops and in-country training to enhance capability for effective surveillance of surra in West Papua, PNG and the Philippines through development and transfer of new diagnostic technologies; identify genetic markers for pathogenicity in <i>T. evansi</i> and investigate their usefulness in predicting outbreaks of clinical disease; test the effectiveness of existing trypanocidal drugs and new candidate compounds for the treatment of <i>T. evansi</i> .	Indonesia, Papua New Guinea, Philippines	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>
Animal Health	Disease control programs for small scale shrimp farmers	To develop and validate farm-level disease control programs for smallholders, to demonstrate their effectiveness, and to extend them using methods designed to ensure widespread adoption.	Indonesia, Thailand	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>
Animal Health	Control of Newcastle disease by enhanced production capacity, quality and distribution of the ACIAR-developed Newcastle disease vaccine, I-2.	To prepare quality-controlled I-2 vaccine and effective delivery systems, and to monitor impact of vaccine on Newcastle disease control at the national and village level.	Myanmar	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>
Animal Health	Bovine babesiosis and anaplasmosis, developing research and diagnostic capability	Epidemiology training in the capabilities and application of diagnostic tools to staff of the Philippines Animal Health Bureau (PAHB) in Australia. Additional epidemiological training in the Philippines to determine the incidence and impact of tick-borne diseases in smallholder cattle.	Philippines	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>

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Animal Health	Tick-borne diseases, delivery of vaccine and diagnostics	Develop effective alternatives to the live <i>Anaplasma centrale</i> vaccine, user-friendly methods of cryo-preservation of anaplasmosis and babesiosis vaccines, and improve the diagnostic capability of support extension services in Zimbabwe, Mozambique, Tanzania and South Africa. There is a significant training and awareness component for front-line regional veterinary staff who will be responsible for the transfer of this technology.	Zimbabwe, Mozambique, Tanzania, South Africa	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>
Food Safety	International food safety regulation and processed food exports	Examine the impact of SPS measures on the ability of (agricultural exporting) developing countries to achieve the full benefits of trade liberalisation.	India, Thailand	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>
Plant Protection	Host resistance, epidemiology and integrated management of faba bean, chickpea and lentil diseases	Study the epidemiology of major diseases affecting cool-season food legumes in West Asia and North Africa (WANA), particularly those caused by <i>Ascochyta fabae</i> , <i>A. rabiei</i> , <i>Fusarium oxysporum f.sp. ciceris</i> and <i>lentis</i> , <i>Botrytis fabae</i> and <i>Uromyces viceae-fabae</i> . Scientists will determine variability in virulence of pathogen populations on a range of host genotypes and evaluate germplasm and breeding lines of faba bean, chickpea and lentil originating from the ICARDA/Australia project for disease resistance and adaptation. They will also initiate the development of computer-based simulation models of epidemics to enable disease forecasting and to use as decision-support tools for disease management (e.g. fungicide application).	Bangladesh, China, Egypt, Ethiopia, India, Morocco, Nepal, Pakistan, Turkey	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>

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Plant Protection	Taxonomy of shoot borer and allied species	Survey <i>H. robusta</i> and allied species, from fresh and museum specimens from Australia, Sri Lanka, India, PNG and Ghana. Then subject apparently related specimens to molecular studies to make finer distinctions at genetic level. The results will be published in an illustrated guide.	Bangladesh, Ghana, Indonesia, Papua New Guinea, Philippines, Thailand, Vietnam	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>
Plant Protection	Sustainable integrated management of whiteflies as pests and vectors of plant viruses	Collaboration between CSIRO Division of Entomology and CSIRO Division of Plant Industry in Australia, AVRDC in Taiwan and collaborators in Sri Lanka, Bangladesh, Malaysia, Indonesia, Philippines, Thailand, Nepal and Vietnam to improve understanding of whitefly in the Asian region, determine its extent and study the dynamics of the virus diseases it carries.	Bangladesh, Indonesia, Nepal, Vietnam	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>
Plant Protection	Integrated management of botrytis grey mould (BGM) of chickpea	Evaluate operational integrated BGM management packages, and chickpea germplasm (including closely related wild <i>Cicer</i> species) for resistance to BGM under field conditions in Bangladesh and Nepal to provide a sound basis for genetic enhancement of host plant resistance to BGM.	Bangladesh, Nepal	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>

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Plant Protection	IPM improvement of brassica vegetable crops	Further refine regimes of integrated pest management that significantly reduce the need to spray by studying the major factors affecting pest numbers in brassica crops and the role of beneficial organisms (parasitoids, predators and pathogens) in suppressing pest numbers. They will measure the impact of major pests on crop yield and quality loss, and investigate how to modify insecticide regimes to promote the use of 'soft' insecticides and minimise the amounts applied. They will also evaluate different pest management regimes and strive to promote wider acceptance of IPM in brassica production.	China	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>
Plant Protection	Population models and immunocontraceptive vaccines for rodents	Develop population modelling techniques to predict the occurrence of high densities of two pest rodents, Brandt's vole in the grasslands of China and the domestic mouse in S E Australia. This will be used to assess the feasibility of fertility control for management of grassland and cereal production ecosystems. Subsequently, to gain an understanding of the genes and proteins of the oocyte of the Brandt's vole to assess potential candidate agents for an immunocontraceptive vaccine.	China	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>

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Plant Protection	Postharvest handling and disease control in melons	Improve postharvest disease control and market quality of melons and other cucurbits through the strategic application of preharvest treatments to boost natural defence mechanisms in melons, and postharvest treatments to control disease and maintain quality. Also develop and test improved supply-chain management, analyse the economic benefits associated with using modern postharvest technologies and transport systems, and identify the most practical options to improve profitability for farmers.	China	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>
Plant Protection	Integrating phosphine fumigation practices into grain storage systems	Investigate technical innovations to enhance the efficacy of phosphine, characterise resistance in major pests, develop management strategies for an emerging pest (book lice (psocids)), and continue to monitor phosphine resistance levels in stored grain insects while formulating fumigation standards.	China, Vietnam	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>
Plant Protection	Impact of heavy metals on sustainability of fertilisation	Develop research capacity and laboratory facilities for the study of soil and crop contamination in Vietnam and establish training and exchange programs for staff in the collaborating countries. The maximum allowable concentrations of contaminants in soils of the region, the re-use of wastes on agricultural soils, contamination of produce and measurement of ecotoxic effects of contaminants on soil microbial processes will be measured and the criteria developed for their measurement, and methods of minimisation.	Chinese Taipei, Thailand, Vietnam	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>

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Plant Protection	Taro beetle management	Develop increased effectiveness of controlling taro beetle grubs, employing the fungal pathogen <i>Metarhizium anisopliae</i> and the viral pathogen <i>Baculovirus oryctes</i> , sustainable methods of control with minimal use of chemical pesticides, and synergistic combination of chemical pesticides and biological control agents to achieve optimum control. Results will be delivered by participatory workshops.	Fiji, Papua New Guinea	<a href="mailto:aciarc@aciarc.gov.au">aciarc@aciarc.gov.au</a>
Plant Protection	Development of forest health surveillance systems	Structured pest detection and management including the development of methodologies for systematic surveys for particular forest types, pest identification and management, rearing/culturing, and data storage and management, supported by access to a network of experts. The project will address training and specialist networking through workshops and on-the-job instruction, to increase country capacity.	Fiji, Samoa, Tonga, Vanuatu	<a href="mailto:aciarc@aciarc.gov.au">aciarc@aciarc.gov.au</a>
Plant Protection	Evaluation of herbicide-resistant weeds of wheat	To find a long-term method of control of <i>Phalaris minor</i> , a problem weed of the rice-wheat cropping system of north-western India.	India	<a href="mailto:aciarc@aciarc.gov.au">aciarc@aciarc.gov.au</a>
Plant Protection	Improved quality and resistance to Phytophthora pod rot, cocoa pod borer and vascular streak dieback in cocoa	Enhanced infrastructure and capability within Indonesia for the collection, maintenance and screening for pest and disease resistance of cocoa genotypes, and conduct preliminary collection and screening of material and assessments of quality characteristics.	Indonesia	<a href="mailto:aciarc@aciarc.gov.au">aciarc@aciarc.gov.au</a>

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Plant Protection	<i>Liriomyza huidobrensis</i> leaf miner: developing pest management strategies	Determine the distribution of the leaf miner, and of its natural enemies (wasp parasites) in western and eastern Indonesia, and improve skills of Indonesian scientists in managing insecticide resistance and in studying pesticide resistance in parasitoid wasps. Scientists will develop alternative integrated pest management strategies to manage the problem.	Indonesia	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>
Plant Protection	Management of rodent pests in rice-based farming systems	Further develop an integrated rodent control system, initially at village level and district level. They will also investigate prospects for fertility control of rodents through bait delivery of an infertility agent. Project members will develop and maintain a 'Rodent Pest Information Network' and contribute to training scientists.	Laos, Indonesia, Malaysia, Vietnam	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>
Plant Protection	Ecologically based management of rodents in rain fed cropping systems	This project will draw on the extensive Asian experience of CSIRO with ecologically based rodent control strategies, utilising the successful techniques already employed in other South-East Asian countries and now comprising a new system for farm rodent control. Training will be a major component of all project objectives.	Myanmar	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>
Plant Protection	Impact and management of <i>Oribius weevils</i>	Biological investigation with focus on establishing the scope of the problem, recommending practical management practices, and providing knowledge of how to reduce damage in the short-term with insecticides.	Papua New Guinea	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>



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<i>Sector</i>	<i>Description of Particular Programme:</i>	<i>Form of Assistance:</i>	<i>Provided to:</i>	<i>Contacts:</i>
Animal Health	Inland pond aquaculture	Determine the status of inland pond aquaculture in PNG through a comprehensive survey of the industry and a desktop study of recent reports. At the start researchers will hold a training workshop for technical assistants, and towards the end present a stakeholders workshop. Researchers and fisheries administrators will gain a clearer picture of the structure of the industry and the areas in need of resources.	Papua New Guinea	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>
Food Safety	Microbial contaminants associated with sago processing and storage	Determine the causes and extent of health risks to consumers from contamination of village-produced sago, then identify options for reducing those risks and improving marketability of the processed sago.	Papua New Guinea	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>
Plant Protection	Biofumigation for soil-borne disease management in tropical vegetable production	Test a range of brassicaceous crops for their suitability for planting in the tropics and for their biofumigant effect against bacterial wilt and Meloidogyne. Active chemicals will be identified. The most effective cultivars will then be tested in the field, including farmers' fields, for their ability to reduce losses caused by these soil pathogens in tomato, potato, eggplant and other solanaceous vegetable crops.	Philippines	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>

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Plant Protection and Food Safety	Bioremediation technology for insecticide residues in horticulture	Address the problem of pesticide contamination of horticultural products by utilising Australian technology that employs enzymes produced by bacterial fermentation to degrade toxic residues, thus rendering them harmless. The procedures will be adapted for postharvest clean-up of insecticide residues on the surfaces of horticultural commodities. This use of the technology would make fruits and vegetables safer to eat and thus enhance the market competitiveness of the commodities.	Philippines	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>
Plant Protection	Control of bees and bee mites	To test a cheap, effective and appropriate control measure and to develop genetic markers that will allow the origin of the mites, and bees that spread them, to be identified. The markers will assist Philippine and Indonesian authorities to make decisions about the feasibility of eradication campaigns and/or the scope of control programs. Generate and support local capacity to undertake and promote control programs and to continue research.	Philippines	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>
Plant Protection	Development of an interactive key for sweet potato disorders	Extension workers in the Philippines were trained in use of the interactive key, and reported the following year on their experiences in the field.	Philippines	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>
Plant Protection	Minimising the impact of pesticides from agricultural systems	Development of risk-based approaches for reducing off-site impacts of pesticides applied to field crops, to protect human health, fisheries and aquatic ecosystems.	Philippines	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>

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Plant Protection	Bioherbicide development for cereals	Identification of fungi as potential bioherbicides for practical use and to establish a blueprint for development of other bioherbicides. Expected benefits include more integrated weed management and low-tech methods to mass-produce biocontrol fungi with potentially wide application in developing countries. The project will also produce an illustrated book on the weeds of North Vietnam.	Vietnam	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>
Plant Protection	Developing disease management capacity	Increased plant pathology research skills and plant disease management skills of Vietnamese scientists through training programs, improved access to information, advice on development of research programs and operation of practical research programs in a number of crops and commodities of increasing importance to Vietnam. Linkages were developed between the various institutions working on these problems throughout Vietnam.	Vietnam	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>
Plant Protection	Management of pest fruit flies	Determine the economically important species of fruit fly in each region of Vietnam, and the host range of each and economic impact of the major species. Training programs will upgrade skills in identification, biological studies and development and implementation of field control campaigns. Developed in conjunction with an initiative to implement field control of fruit flies, within the context of their rural development program for Vietnam.	Vietnam	<a href="mailto:aciar@aciar.gov.au">aciar@aciar.gov.au</a>

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Plant Protection and Food Safety	Selection for peanut varieties with low aflatoxin risk	Developed strategies to reduce preharvest contamination and colonisation by mycotoxin-producing strains of <i>Aspergillus fungi</i> , and to the use of ELISA-based monitoring technologies. A number of crop management and varietal methods to control 'on-farm' aflatoxin contamination were evaluated. Assessment using a simulation modelling integrating the interaction between crop, soil, environment and <i>A. flavus</i> to determine the probability of aflatoxin formation at various stages during growth, harvest and storage of peanuts.	India	<a href="mailto:aciarc@aciarc.gov.au">aciarc@aciarc.gov.au</a>
Plant Protection	Huanglongbing management	Develop the basis for investigating the pathogen-vector relationships and their interactions using vector distribution surveys, identification of its natural enemies, then comparison of the natural enemy spectrum in Indonesia with that known from Vietnam, to identify potential natural enemies for a biocontrol program.	Indonesia, Vietnam	<a href="mailto:aciarc@aciarc.gov.au">aciarc@aciarc.gov.au</a>
Food Safety	Information seminars and technical assistance to the Thailand Department of Agriculture and Department of Livestock Development on the Thailand National Project "Food Safety concerning Food Animals" and "Certification of Food Irradiation for Domestic and International trade"	The Food and Agriculture Organisation (FAO) of the UN and the International Atomic Energy Agency (IAEA) provided the funding for the visit. An AQIS expert in food technology and irradiation processing provided the seminars and also included fumigation and plant inspection information and field visits to orchid facilities.	Thailand	<a href="mailto:gary.luckman@daff.gov.au">gary.luckman@daff.gov.au</a>

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Quarantine and Plant Protection	Seminars and technical assistance to the Philippine Department of Science and Technology, the Bureau of Food and Drugs, National Food Authority, Philippine Nuclear Research Institute and the Plant Quarantine Service, on Good Agriculture Practices and certification for food and agricultural crops treated by radiation.	The funding and visit support were provided by the Food and Agriculture Organisation (FAO) of the UN and the International Atomic Energy Agency (IAEA) The seminars and field trips were aimed at assisting the Philippine's with Irradiation technology and evaluation for the IAEA of the Philippine projects "Enhancing agricultural productivity through radiation technology in Mindanao"	Philippines	<a href="mailto:gary.luckman@daff.gov.au">gary.luckman@daff.gov.au</a>
Plant Protection and Food Safety	FAO/IAEA Training workshop on Use of Irradiation to ensure Quarantine Security in Trade in Food and Agricultural Commodities for Asia Pacific country and local representatives in Canberra, Australia	Workshop training aimed at furthering Asia and Pacific country understanding of irradiation as a new technology for food safety and Quarantine purposes. The workshop involved formal lectures; field trips and training with AQIS officers in examining imported irradiated goods. (Imported Orchids) Representatives from 10 Asia Pacific countries and officers from the FAO/IAEA, Australia and New Zealand attended the workshop	China, India, Bangladesh, Pakistan, Thailand, Philippines, Indonesia, Malaysia, South Korea, Singapore	<a href="mailto:gary.luckman@daff.gov.au">gary.luckman@daff.gov.au</a>
Plant Protection and Food Safety	Australian Fumigation Accreditation Scheme	Technical and workshop training in best practice for conducting and monitoring methyl bromide fumigations including the establishment of a registration and auditing system designed to support Indonesian regulatory responsibilities	Indonesia	<a href="mailto:david.t.cox@daff.gov.au">david.t.cox@daff.gov.au</a>
Plant Protection and Food Safety	Australian Fumigation Accreditation Scheme	Preliminary workshop and planning for technical workshop training in best practice for conducting and monitoring methyl bromide fumigations and establishment of a registration and auditing system	China, India, Malaysia, Philippines, Thailand, Vietnam	<a href="mailto:david.t.cox@daff.gov.au">david.t.cox@daff.gov.au</a>

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Plant Protection	Assessment of pest reference collections in ASEAN countries	Assessment of reference collections in Myanmar, Thailand, Laos, Vietnam, Malaysia, Singapore, Indonesia and the Philippines for the capacity to meet international (ISPM) standards for pest records. Also review of diagnostic and information management skills.	All ASEAN nations except Cambodia	<a href="mailto:Ky.lum@cabi.org">Ky.lum@cabi.org</a>
Plant Protection	Capacity building and collection rehabilitation under Australia - Indonesia GSLP program	Training in arthropod diagnostics and database development. Provision of Biolink database. Rehabilitation of insect storage cabinets.	Indonesia	<a href="mailto:ssiwi@inob.net.id">ssiwi@inob.net.id</a>
Plant Protection	Establishment of plant health info. Exchange network for SE Asia and the Pacific (PestNet)	Development of website www.pestnet.org. Appointment of pest net moderator from SE Asia. Production of awareness material to promote the network	All ASEAN nations except Cambodia, Myanmar.	<a href="mailto:ky.lum@cabi.org">ky.lum@cabi.org</a>
Animal Health	Quality Assurance for Animal Health Laboratories in Indonesia and Thailand  Funded by the International Agriculture Cooperation Fund of Agriculture, Fisheries and Forestry Australia.	To enable regional animal health laboratories to meet international standards required for certification for export and for testing of imports. Proficiency testing of a selected panel of tests is based on the respected Australian National Quality Assurance Program for animal health laboratories. There will be a period of proficiency testing followed by Australian assistance in rectifying any problems in the testing methodology.	Indonesia, Thailand	<a href="mailto:Tim.buick@daff.gov.au">Tim.buick@daff.gov.au</a>
Animal Health and Plant Protection	Consolidation of Quarantine Legislation, Agricultural Policy & Administrative Management	Workshops providing policy and legislative support consistent with national agricultural quarantine legislation. Emergency disease response training resulted in the development of a national emergency management plan.	Indonesia	<a href="mailto:tim.buick@daff.gov.au">tim.buick@daff.gov.au</a>

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Animal Health and Plant Protection	Tripartite Committee on Agricultural Health and Quarantine Meeting	Review of animal and plant health status by country, strengthened capacity for monitoring and surveillance of exotic agricultural pests and diseases and bilateral discussions.	Indonesia, Papua New Guinea	<a href="mailto:Joanne.pearce@daff.gov.au">Joanne.pearce@daff.gov.au</a>
Animal Health	Assistance with monitoring for foot and mouth disease	Comprehensive program of training in design and implementation of surveys, disease recognition course at Australian Animal Health Laboratory, and provision of public awareness materials. Transfer of diagnostic technology and training in emergency animal disease response are planned.	Indonesia	<a href="mailto:Tim.Buick@daff.gov.au">Tim.Buick@daff.gov.au</a>
Animal Health	Rapid diagnosis of animal rabies	Provision of fluorescence microscope, reagents and ancillary equipment for rapid diagnosis of rabies in animals on the island of Flores.	Indonesia	<a href="mailto:Tim.Buick@daff.gov.au">Tim.Buick@daff.gov.au</a>
Animal Health	Develop and deliver Quality Assurance course for six senior overseas laboratory managers. Implement proficiency testing for a panel of veterinary diagnostic tests through the Australian National Quality Assurance Program.  Provide follow up assistance for problem areas exposed by the proficiency testing.	Technical training in laboratory quality systems and veterinary diagnostic tests.	Indonesia, Thailand	<a href="mailto:Catherine.ainsworth@dpi.vic.gov.au">Catherine.ainsworth@dpi.vic.gov.au</a>

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Animal Health	Quality systems for veterinary testing in diagnostic laboratories	Workshop training	Argentina, Brazil, Cameroon, Cuba, El Salvador, Ethiopia, Indonesia, Pakistan, Thailand, Uruguay, Vietnam, South Africa	<a href="mailto:Catherine.ainsworth@dpi.vic.gov.au">Catherine.ainsworth@dpi.vic.gov.au</a>
Food Safety	Technical training for dairy farmers, collection depots, and factories in milk hygiene management	Workshops, lectures, demonstrations and individual advice	Indonesia, Malaysia	<a href="mailto:John.moran@dpi.vic.gov.au">John.moran@dpi.vic.gov.au</a>
Animal Health	30 April - 3 May 2002, ACIAR training workshop at Brackish water development centre, Jepara Indonesia	Training of laboratory staff in PCR, histopathology, bacteriology	Indonesia	<a href="mailto:bjones@agric.wa.gov.au">bjones@agric.wa.gov.au</a>
Animal Health	ACIAR training workshop at Brackish water development centre, Jepara Indonesia, also included separate training to East Java Fisheries service staff at Bangil	Training of laboratory staff in PCR, histology and bacteriology	Indonesia	<a href="mailto:bjones@agric.wa.gov.au">bjones@agric.wa.gov.au</a>
Animal Health	ACIAR intensive training for 4 Indonesian laboratory staff at South Perth Animal Health Laboratories	Training of laboratory staff in disease diagnosis, laboratory management and diagnostic techniques	Indonesia	<a href="mailto:bjones@agric.wa.gov.au">bjones@agric.wa.gov.au</a>
Animal Health	Phase II NACA/FAO Asia-Pacific Molluscan Health Management workshop (Brisbane)	Training in histopathology and disease diagnosis to 31 participants from the Asia Pacific region.	China, Indonesia, Korea, Malaysia, Philippines, Sri Lanka, Thailand, Vietnam	<a href="mailto:bjones@agric.wa.gov.au">bjones@agric.wa.gov.au</a>
Animal Health	Training in Epidemiology and Laboratory Techniques	Four week training course provided to two veterinarians from the Shandong Province of China in November 2002	China	<a href="mailto:amercy@agric.wa.gov.au">amercy@agric.wa.gov.au</a> and <a href="mailto:chawkins@agric.wa.gov.au">chawkins@agric.wa.gov.au</a>
Animal Health	Risk assessment training for Middle East veterinarians	Two week training courses provided to Government veterinarians and other scientists, March to June 2002	Kuwait, United Arab Emirates, Oman, Egypt	<a href="mailto:rnorris@agric.wa.gov.au">rnorris@agric.wa.gov.au</a> and <a href="mailto:Tmartin@agric.wa.gov.au">Tmartin@agric.wa.gov.au</a>



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Animal Health	Training in meat hygiene and pre-slaughter livestock management for Middle East veterinarians	Two day training courses provided to Government veterinarians, July 2003	Jordan, Egypt	<a href="mailto:rnorris@agric.wa.gov.au">rnorris@agric.wa.gov.au</a> and <a href="mailto:Tmartin@agric.wa.gov.au">Tmartin@agric.wa.gov.au</a>
Animal Health	Training in parasitology and immunology	One week training course and one week workshop for government veterinarians and other scientists, October 1999 and August 2001	China	<a href="mailto:dpalmer@agric.wa.gov.au">dpalmer@agric.wa.gov.au</a>
Animal Health	Training in immunological laboratory techniques	One week training workshop for veterinarians and other scientists, November 1999	China	<a href="mailto:dpalmer@agric.wa.gov.au">dpalmer@agric.wa.gov.au</a>
Animal Health	Lecture series in risk assessment and disease free zoning	Lecture series	China	<a href="mailto:kpritchard@agric.wa.gov.au">kpritchard@agric.wa.gov.au</a>
Animal Health	AGWEST International organised a training visit for two veterinarians in laboratory techniques, risk assessment	Visiting students	China	<a href="mailto:amercy@agric.wa.gov.au">amercy@agric.wa.gov.au</a>
Animal Health	Development and delivery of practical disease control programs for small-scale shrimp farmers in Indonesia, Thailand and India (2002 - 2006). Project uses science-based methods aimed, in part, at minimising inappropriate chemical use on shrimp farms.	Technical training and funding support for the implementation of science-based health management and extension programs for small-scale shrimp aquaculture. Including workshops on disease diagnosis, extension methods and pond implementation.	Indonesia, Thailand, India	<a href="mailto:Richard.callinan@agric.nsw.gov.au">Richard.callinan@agric.nsw.gov.au</a>
Plant Protection	Technical training in plant health and quality management in the vegetable industry	Workshops, field demonstrations, and lectures	Indonesia	<a href="mailto:Wendy.morgan@dpi.vic.gov.au">Wendy.morgan@dpi.vic.gov.au</a>

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Plant Protection	As part of a horticulture development project, AGWEST International provided technical assistance on pest and disease control in apples in Sikkim to DoH staff and farmers and a study tour for 4 DoH staff to Australia (funded by AusAID)	Technical input, workshops, training sessions	India	<a href="mailto:kpritchard@agric.wa.gov.au">kpritchard@agric.wa.gov.au</a>
Plant Protection	CARD project in Vietnam provided training in pest and disease control in seed potatoes (funded by AusAID)	Training and workshops	Vietnam	<a href="mailto:pmattingley@agric.wa.gov.au">pmattingley@agric.wa.gov.au</a>
Food Safety	Technical training in food safety to assist Shandong Department of Agriculture (China) in development of provincial food safety initiatives	HACCP-based Food Safety Planning to 15 government managers	China	<a href="mailto:denyse.corner@dpi.qld.gov.au">denyse.corner@dpi.qld.gov.au</a>
Food Safety	Training in the screening and confirmation of several antibiotic residues that can be found in meat products.	Training for three Vietnamese scientists (January 2002) and for one Chinese scientist (June 2002)	China, Vietnam	<a href="mailto:Stephen.were@dpi.qld.gov.au">Stephen.were@dpi.qld.gov.au</a>
Plant Protection	AusAID CARD program for the establishment of fruit fly disinfestation treatment development capacity in Plant Protection Department of Vietnam	Facilities, equipment and training	Vietnam	<a href="mailto:Rod.Jordan@dpi.qld.gov.au">Rod.Jordan@dpi.qld.gov.au</a>
Food Safety	Workshop: Reaping the benefits of biotechnology	Training in biotechnology and policy, incorporating food safety regulation, its implementation, including issues associated with genetically modified food and it's labelling, the development of international standards for food derived from biotechnology based on the international standard, and guidance to assess the safety and labelling of food produced using biotechnology.	APEC	<a href="mailto:Luba.tomaska@foodstandards.gov.au">Luba.tomaska@foodstandards.gov.au</a>

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Food Safety	Second International Workshop on Total Diet Studies	A two-week workshop to promote and support total diet studies, focussing on the risk analysis framework, exposure assessment and associated issues with dietary exposure assessments.	China, Czech Republic, Fiji, India, Indonesia, Iran, Jordan, Federated States of Micronesia, Morocco, New Caledonia, Pakistan, Thailand, Vietnam	<a href="mailto:Luba.tomaska@foodstandards.gov.au">Luba.tomaska@foodstandards.gov.au</a>
Food Safety	First ASEAN Food Safety Standards Harmonisation Workshop, Singapore	Shared regional information about food additives, specifically intake data on colours, sweeteners and preservatives in comparison with the Codex general standards on food additives, exposure assessment data, and formalise activities to harmonise ASEAN food standards.	ASEAN countries	<a href="mailto:Luba.tomaska@foodstandards.gov.au">Luba.tomaska@foodstandards.gov.au</a>
Food Safety	Second training workshop on GMO safety assessment, Kuala Lumpur, Malaysia	Review of recent developments related to the safety assessment of foods derived from biotechnology using case studies, with the intention of continued harmonisation of food safety regulation.	All ASEAN countries except Vietnam	<a href="mailto:Luba.tomaska@foodstandards.gov.au">Luba.tomaska@foodstandards.gov.au</a>
Food Safety	Visit to National Drug Agency of Drug and Food Control, Indonesia	Lectures on regulation of foods derived from biotechnology, their safety and labelling. Inter-agency meetings to clarify aspects of the interpretation of the Australian and New Zealand Food Standards guidelines for safety and labelling of GM foods.	Indonesia	<a href="mailto:Luba.tomaska@foodstandards.gov.au">Luba.tomaska@foodstandards.gov.au</a>
Food Safety	FAO/WHO Workshop on applying food safety risk analysis in Asia – practical approaches, Kuala Lumpur	Practical approaches to chemical risk assessment, focussing on chloropropanols and chlorpyrifos	Malaysia, Thailand, Singapore, Bhutan, Nepal and Mongolia	<a href="mailto:Luba.tomaska@foodstandards.gov.au">Luba.tomaska@foodstandards.gov.au</a>

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Food Safety	APEC/WTO Capacity building: SPS implementation program, China	Lectures and group discussion on matters relating to the implementation of the SPS Agreement in relation to food safety. Topics included general and applied risk analysis in relation to food safety, the Codex standards and their relationship to the SPS Agreement, and an overview of Food Standards Australia New Zealand, with particular reference to Codex and food safety regulation.	China	<a href="mailto:Luba.tomaska@foodstandards.gov.au">Luba.tomaska@foodstandards.gov.au</a>
Food Safety	Food Recall Protocols	Provide expertise in developing food recall protocols for Vanuatu, funded by WHO, WPRO Regional	Vanuatu	<a href="mailto:Merrilyn.O'Sullivan@foodstandards.gov.au">Merrilyn.O'Sullivan@foodstandards.gov.au</a>