

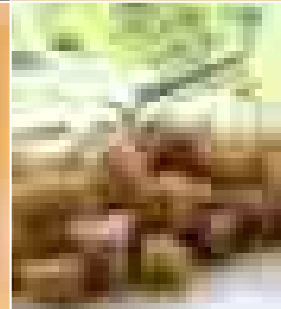
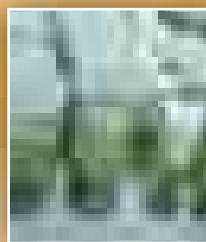
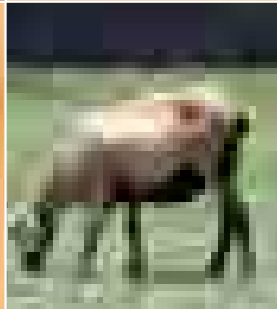
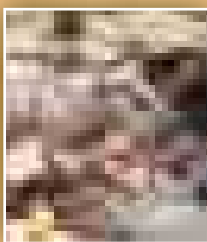
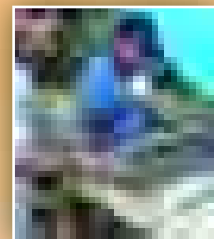
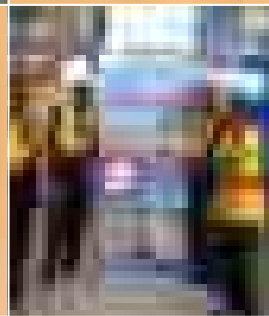
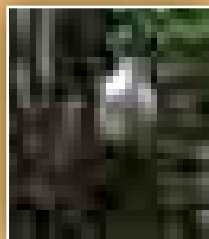
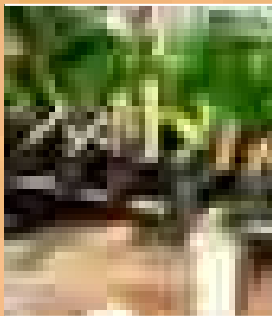
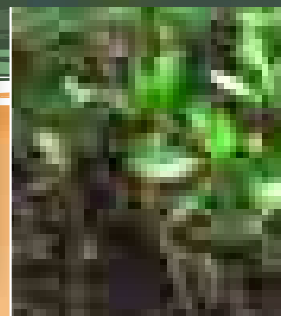
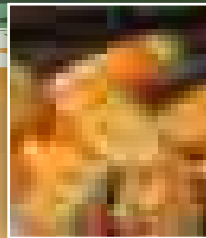
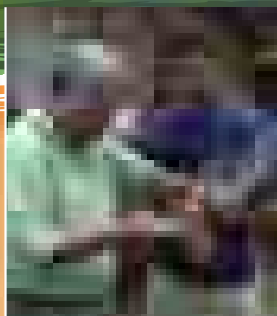
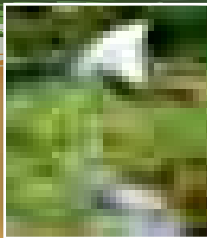


Secretariat of the Pacific Community

LAND RESOURCES DIVISION

ANNUAL REPORT

2011



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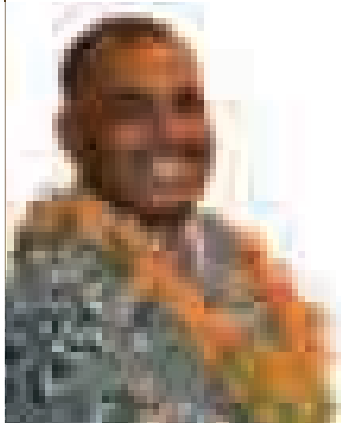
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Executive Summary



*Inoke Ratukalou, Acting Director,
SPC Land Resources Division*



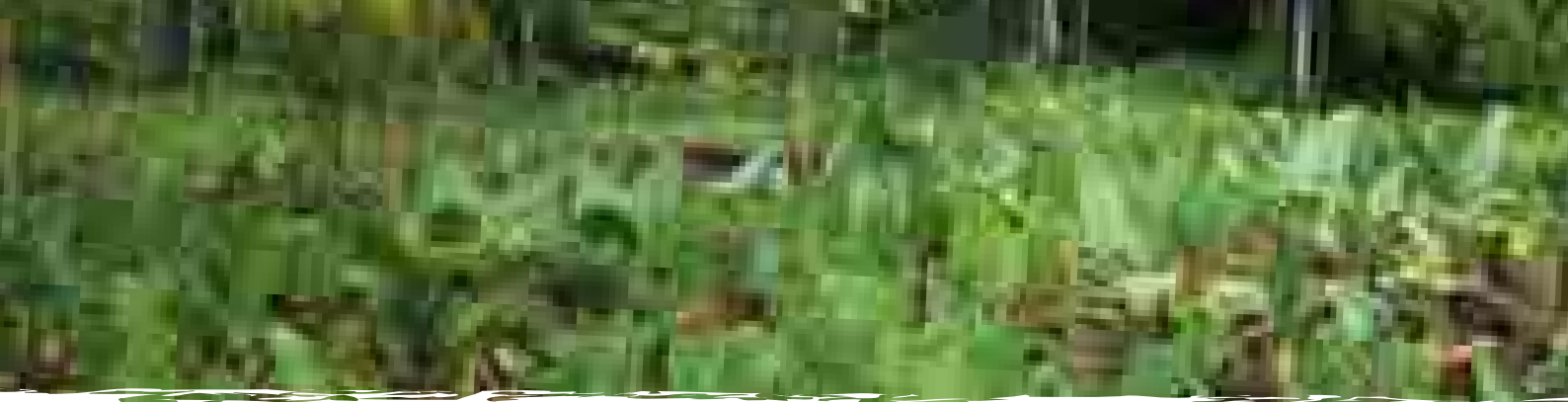
SPC Land Resources Division

In this third year of implementation of its second integrated strategic plan (covering the period 2009–2012), the Land Resources Division (LRD) continues to align its activities to the 2008 and 2010 HOAFS recommendations and to national priorities elaborated in joint country strategies (JCS).

The division continued its facilitation role in policy, legislation and planning development. LRD ensures that the Pacific Islands' voice is heard beyond the region by actively engaging in important international fora such as the United Nations Convention to Combat Desertification (UNCCD), the United Nations Convention on Biological Diversity (UNCBD), the United Nations Framework Convention for Climate Change (UNFCCC), the United Nations Forum on Forests (UNFF), the World Organisation for Animal Health (OIE) Annual General Sessions and Regional Commission meetings, and the International Treaty on Plant Genetic Resources for Food and Agriculture (ITPGRFA).

LRD strengthened its partnership with the German Agency for Technical Cooperation (GIZ) with the continuation of the SPC /GIZ sustainable land-based resources management project. This project has now expanded and is known as the SPC/GIZ Coping with Climate Change for the Pacific Island Region (CCCPIR) project. In addition, a new SPC/GIZ project, Climate Protection through Forest Conservation in the Pacific Island Countries focusing on reduced emission from deforestation and forest degradation (REDD+) was initiated.

The European Union continues to strongly support LRD in its work to increase exports of agricultural, forestry and aquaculture produce from the Pacific ACP countries. This is being undertaken through the Facilitating Agricultural Commodity Trade (FACT) project and the new Increasing Agricultural Commodity Trade (IACT) project.



The Genetic Resources Team and the Forests & Trees and Forestry & Agriculture Diversification Teams are settling in well in their new facility at the SPC Narere compound in Suva, Fiji. The Centre plays an important role in implementing programmes and activities in climate change adaptation, improving food security and increasing domestic and export trade in agriculture and forestry products. A new SPC/JICA initiative to strengthen the forests and trees component of LRD provided support towards the establishment of the Pacific Island Tree Seed Centre (PITSC) with assistance from JICA with the objective share tree germplasm.

Successful coordination of activities marking International Year of the Forest 2011(IYF) including school essay and poster competitions, forestry awards, and the launch of the Pacific Forestry Book.

Plant health, biosecurity, trade facilitation and export development continue to be hallmarks of the division's functions. Substantial assistance has been provided to PICTs, including pest and disease surveys; pest management, including invasive species; research and development on pest management and identification of suitable quarantine treatments for fresh produce; harmonisation of national legislations to comply with requirements of the World Trade Organization Agreement on the Application of Sanitary and Phytosanitary Measures (WTO SPS); facilitation of inter-regional and international trade; and capacity building in a broad range of technical areas, including through the Import-Export Biosecurity Technology Centre (IMPEXTEK) facility.

The science and technology capacity of LRD has been somewhat eroded with the completion of some projects. The thematic area teams most affected include: Plant Health; Crop Production; Animal Health and Production; and Information Communication and Extension. Professional staff of LRD are actively seeking resources from traditional and new sources to bridge gaps, with some success.

Ongoing initiatives that started in mid-2010 have eased some of the staffing and operational difficulties initially faced by the division. These include: the SPC–Australian Agency for International Development (AusAID)-funded Pacific Horticultural and Agricultural Market Access (PHAMA) initiative; the AusAID International Climate Change Adaptation Initiative (ICCAI); the Australian Centre for International Agricultural Research (ACIAR)-funded Pacific Agribusiness Research and Development Initiative (PARDI); the EU-funded Adapting Clonally Propagated Crops to Climate Change project and the European Development Fund (EDF)10 Increasing Agriculture Commodity and Trade Project which began in June 2011.

The Government of Australia (GoA) through the Department of Climate Change and Energy Efficiency (DCCEE) provided resources to LRD north Pacific office for the coordination and implementation of the Pacific Adaptation Strategy Assistance Program (PASAP) project for Federated States of Micronesia (FSM). The project is aimed to analyse the impact of climate change on the four pillars of food security and identify adaptation measures that enhance the resilience of food systems.

New initiatives planned for 2012 include; the EDF10 Agriculture and Rural Development Project; the ACIAR-funded Strengthening Integrated Crop Management Research in the Pacific; the USA-funded project on vegetation and land cover mapping and improving food security for building resilience to a changing climate in Pacific Island communities; ; the AusAID funded Enhancing the climate change resilience of Pacific Islands agriculture; the FAO-funded Agriculture Technical Cooperation Program (TCP) on pesticide registration, communication and alternatives; and the European Commission-funded Improvement of Key Services to Agriculture in the Sugar Sector project.

PRESENTATION OF THE **DIVISION**

The division's integrated mode of operation is based on the seven thematic area teams (a–g) and three support teams (h–j) working together with stakeholders to identify and prioritise issues and jointly implement solutions. The teams are;

- a. **Genetic Resources**
- b. **Forestry and Agriculture Diversification**
- c. **Forest and Trees**
- d. **Plant Health**
- e. **Animal Health and Production**
- f. **Biosecurity and Trade**
- g. **Crop Production**
- h. **Information, Communication and Extension**
- i. **Land Management and Resources Policy Support**
- j. **Administration and Finance**



SPC Land Resources Division

The goal of the division is to assist the Pacific community to improve food, nutritional and income security and manage agricultural and forestry resources in a sustainable way.

Work contributing to the achievement of this goal during 2011 is reported in Annex 2 by objectives and outputs. This will be updated at the end of the year and will form the basis of the division's annual report for 2011.

DIVISIONAL FINANCE

The revised budget for the division for 2011 was 7,683,900 CFP units (equivalent to FJD 15,367,200 at budget exchange rates).

Table 1: Revised budget of LRD for 2011 in CFP Units

				<i>in CFP Units</i>
LRD Team	Core	Program	Project	Total
Director's office	168000	0	0	168000
AHP	120100	229500	600000	959600
BAT	0	158100	678100	836200
CP	0	147000	1252500	1399500
FAD	0	0	1339100	1339100
FAT	103900	121000	95500	320400
GRT	24500	201200	1320000	1545700
ICE	0	126400	0	126400
LMRPST	78100	0	0	78100
AS	0	180400	212400	392800
PH	0	207100	321000	528100
Total	494600	1370700	5818600	7683900

As expected, funding was tight during the last few months of 2011 and is predicted to be the same for 2012. The IACT project, which will be in full implementation next year, will ease some of the funding constraints.

In May 2011, The Government of Australia provided a sum of 167,073 CFP units (equivalent to USD\$186,000) directly to LRD north Pacific office for co-designing and coordinating the one year PASAP project.

DIVISIONAL STAFFING

As at 15 September 2011, the division had a total of 78 staff.

Table 2: Staffing of the LRD as at 15 September 2011

	Director's office	AHP	BAT	CP	FAD	FAT	GRT	ICE	LMRPST	AS	PH	Total
International recruited Staff	1	4	4	3	12	2	2	1	1	1	3	34
Support Staff	0	2	4	5	6	2	9	2	1	12	1	44
Total	1	6	8	8	18	4	11	3	2	13	4	78

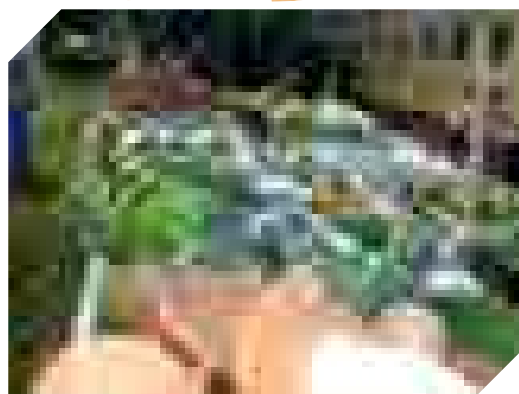
The total number of staff positions in LRD is 78, of which thirteen are vacant. Thirty-four positions require specialised technical skills and are recruited internationally; 44 positions are for semi-specialised technical staff, laboratory assistants, and administration and finance staff. Two internationally recruited and six technical staff are based in Federated States of Micronesia (FSM) and Solomon Islands.

STRATEGIC PLAN OBJECTIVES AND CORE FUNCTIONS

LRD is progressively implementing its 2009–2012 Strategic Plan which was approved by CRGA 38. It has three objectives and thirteen outputs which are also identified as its core functions. These are:

i) Improved food and nutritional security

1. Development of policies to support the production, utilisation and consumption of locally grown food.
2. Agro-biodiversity conserved, promoted and utilised.
3. Diverse food supply systems promoted.
4. Traditional knowledge preserved, enhanced, utilised and acknowledged.



ii) Integrated and sustainable agriculture and forestry resources management and development

1. Sustainable forestry, agriculture and land use plans, policies and Legislation supported.
2. Sustainable and appropriate forest, agriculture and land use management practices developed and promoted.
3. National and regional capacity to prepare, respond, and adapt to climate change and natural disasters developed and strengthened.
4. Invasive species, pest and disease problems identified and addressed and capacity to respond at national and regional level supported.
5. National and regional capacity of extension, outreach and information services strengthened.



iii) Improved biosecurity and increased trade in agricultural and forestry products

1. National capacity to comply with international and other relevant standards strengthened.
2. National capacity to increase domestic and export trade developed and strengthened.
3. Sustainable and viable post-harvest technologies developed and promoted.
4. Improved information available on plant and animal health status.



PROGRESS TOWARDS ACHIEVING STRATEGIC PLAN OBJECTIVES

A detailed report against the LRD strategic plan for 2009-2012 and work implemented in 2011 is attached as Annex 2. This section summarises some key achievements.

LRD's integrated mode of operation is based on seven thematic area teams and three support teams working together with stakeholders to identify and prioritise issues and jointly implement solutions. It has a well established platform from which it supports PICTs in meeting the challenges of this century. These challenges — perhaps the most demanding the Pacific region has had to address in recent years — include climate change, increasing food prices, and land management and conflict minimisation.

LRD personnel have been actively involved in the work of SPC missions for developing joint country strategies (JCS) in 2011 for New Caledonia and Papua New Guinea. As in previous JCS missions, this has assisted LRD to focus its activities at the national level on priority areas identified in national and sectoral strategic plans (and linked to the division's integrated strategic plan).

LRD strengthened its partnership with the German Agency for Technical Cooperation (GIZ) with the continuation of the SPC /GIZ project Adaptation to Climate Change in the Pacific Island Region (ACCPiR), covering Tonga, Vanuatu and Fiji. This project has now expanded to cover a further nine countries (Nauru, Tuvalu, Kiribati, Federated States of Micronesia [FSM], Marshall Islands, Palau, Papua New Guinea [PNG], Solomon Island and Samoa) under the new SPC/GIZ Coping with Climate Change for the Pacific Island Region (CCCPiR) project. In addition, a new SPC/GIZ project, Climate Protection through Forest Conservation in the Pacific Island Countries, covering PNG, Solomon Islands and Vanuatu, which continues to reflect LRD's commitment to its member countries to address climate change issues in agriculture, forestry and land use.

The European Union continues to strongly support LRD in its work to increase exports (in terms of quality, consistency, value, diversity of products and markets) of agricultural, forestry and aquaculture produce from the Pacific ACP countries through the FACT project and the IACT project (a four-year project with an EDF10 contribution of €8.54 million that came into effect on 1 June 2011). In February and October 2011, the FACT pilot project received highly favourable Mid-Term and Results Oriented Monitoring reviews. FACT is increasingly viewed by donor and business communities as a model for how SPC can engage with its traditional government partners, as well as with new, private sector partners, and foster public/private partnerships. The lessons learnt from the FACT pilot





SPC signs a memorandum of understanding with the Forestry and Forest products Research Institute (FFPRI) of Japan.

will be used to inform both design and implementation of IACT. The scope of IACT has been broadened to include aquaculture (through FAME) and carbon trading, and geographically broadened to include Timor-Leste.

The division, in collaboration with AusAID and NZAID, completed the activities associated with the Pacific Regional Pandemic Preparedness (PRIPP) Project. The project, which ended in June 2011, focused this year on completing various activities and submission of the Activity Completion Report to the donors.

The division, in collaboration with the Food and Agriculture Organization (FAO), the International Trade Centre (ITC) and the United Nations Conference on Trade and Development (UNCTAD) will be completing all activities associated with the EU-funded, All ACP Agriculture Commodity Project (AAACP) by December 2011. It has developed a strategic approach to smallholder market integration, identifying critical barriers such as access to finance, policy support marketing or market information, and providing capacity support and technical assistance, particularly in Fiji, Samoa and Solomon Islands. The lesson learnt will be up-scaled in the new EDF10 Agriculture and Rural Development Project, which begins in January, 2012.

Ongoing liaison and reporting has been maintained with the division's traditional donors and strategic partners, in particular the EU, AusAID, NZAID, French Aid, German

Government and GIZ, ACIAR, FAO, the Technical Centre for Agricultural and Rural Cooperation ACP-EU (CTA) and the International Fund for Agricultural Development (IFAD). A new SPC/JICA partnership to strengthen the forests and trees component of LRD was initiated during the year.

Over the two years of the current LRD integrated strategic plan, work has progressed well, within the limits of available resources, in responding to the resolutions in the communiqué of the 2008 Regional Conference of Ministers of Agriculture and Forestry (MOAF), the meeting of Heads of Agriculture and Forestry Services (HOAFS), and the 2010 HOAFS recommendations.

LRD has responded comprehensively on the 51 recommendations in the areas of improved food and nutritional security, integrated and sustainable agricultural and forestry resources management and development, improved biosecurity and increased trade in agricultural and forestry products, which is clearly indicated in Annex 5. Due to their nature, implementation will be ongoing until the end of the life of the strategic plan.

The climate change adaptation work of LRD has been further strengthened with support from USA for the "Vegetation and land cover mapping and improving food security for building resilience to a changing climate in Pacific Island communities" project, and from AusAID for "Enhancing the climate change resilience of Pacific agriculture".

Nine Pacific small island states receive funding of €11.4M from the EU for climate resilience

Pacific small island states most vulnerable to the impacts of climate change will benefit from a new climate resilience project (worth €11.4 million) funded by the European Union (EU) and to be implemented by the Secretariat of the Pacific Community (SPC) over the next four years.

The project, entitled Increasing Climate Resilience of Pacific Small Islands States through the Global Climate Change Alliance (GCCA) will support the governments of nine Pacific countries, namely Cook Islands, Kiribati, Marshall Islands, Federated States of Micronesia, Nauru, Niue, Palau, Tonga and Tuvalu, in their efforts to tackle the adverse effects of climate change. These countries have been selected because of their particular vulnerability, linked to their size and geophysical characteristics.

The project will promote the development of long term strategies and approaches to adaptation planning and it will pave the way for more effective and coordinated aid delivery on climate change at the national and regional level. Pacific small island states presently have limited capacity to clearly articulate detailed adaptation strategies and successfully mainstream climate change aspects into their national and sector response strategies. They also lack the capacity to identify priority investment plans and timelines to respond to projected impacts in the key sectors vulnerable to climate change.

The project will therefore assist countries to develop more detailed climate change response strategies and investment plans and to integrate these into consistent overarching national climate change response frameworks. In addition, the project will also provide assistance to countries to help identify, design and implement practical on-ground climate change adaptation activities, in accordance with their established priorities. At least one concrete adaptation project will be implemented in each of the nine countries.

At regional level, the project will strengthen the capacity of key regional organisations to deliver climate change related scientific, technical and information services to

countries (for example, through the development of analytical tools and information exchange mechanisms) and it will reinforce regional mechanisms to better coordinate the flow of climate change funding in the Pacific. The Secretariat of the Pacific Regional Environment Programme (SPREP) will play an important role in this regard.

The project was officially launched in July 2011 by Ms Fiona Ramsey, Chargée d'Affaires a.i. of the Delegation of the European Union for the Pacific and SPC Director-General Dr Jimmie Rodgers.

‘With the billions that have been pledged globally for climate change adaptation and mitigation, this project will position Pacific small island states to access these funds and use them to ensure outcomes that meet their people’s needs,’ said Dr Rodgers.

‘The project will help countries put in place climate change programmes and management arrangements that enable them to effectively absorb the increased flows of climate change finance that will be required to meet the future adaptation challenges they face.’

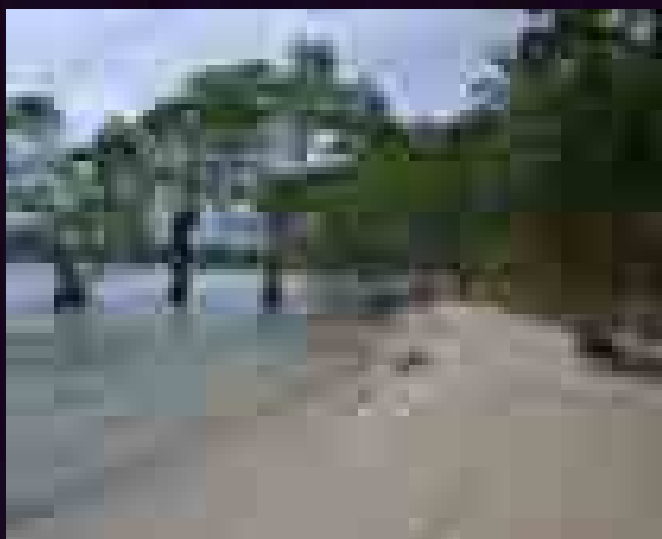
Background

The project is funded in the framework of the Global Climate Change Alliance (GCCA). The project will also help translate into action and take forward the objectives of the Pacific-EU Joint Initiative on Climate Change.

This Pacific-EU Joint Initiative on Climate Change aims to enhance the political dialogue on climate change between the EU and the Pacific region, in view of developing common understanding and joint responses in the international debate whenever possible. It also aims to improve the effectiveness of cooperation on climate change issues in the Pacific region and mobilise funding from the EU and other international partners for climate change response in Pacific Island countries.

The project is consistent with the objectives of the Pacific Islands Framework for Action on Climate Change (PIFACC).

Adaptation to climate change sounds good in Vanuatu



Port Vila hosted a major music event in August with Vanuatu's first ever Climate Change, Sanitation and Forestry Band Competition. The music competition, sponsored and organised by SPC-GIZ Climate Change, Live and Learn Environmental Education, the Department of Forests and Wan Smolbag Youth Centre, was a huge success with seven local youth bands competing to compose and perform the best climate change and forestry songs. Over 200 people attended the day-long event to hear great music composed by the youth of Vanuatu and learn about climate change.

2011 has been declared the International Year of Forests by the United Nations. Forests are one of our most endangered resources in the Pacific, largely due to unsustainable logging and agricultural clearing. Every day, an estimated 350 square kilometres of forest around the world are cut or burned. That is the same as 30,000 football/soccer fields or the land mass of Niue, Nauru, Pitcairn, Tokelau and Tuvalu combined. In Vanuatu, forests are being burned (without being replanted) to make gardens and agricultural plots. Forests keep our soils rich for growing large crops like yams. But if we keep cutting down our forests, our soils will get poorer and poorer, and our root crops smaller and smaller.

Climate change is a major issue related to forests. Trees pull carbon dioxide (the gas that causes global warming) out of the air. But every time we cut down or burn a tree, we are releasing all of the gas stored in the tree back into the atmosphere, making climate change worse. Trees also help us adapt to climate change, providing shade, protecting water sources and strengthening food and building material security.

Given the importance of these issues for Vanuatu, the competing bands had a lot to sing about. The songs covered issues including sea level rise, health impacts of climate change, the level of greenhouse gasses in the

atmosphere, and some of the climate change adaptation strategies we are already employing like planting coastal trees and practicing fruit storage and preservation.

The winning string band, 'Futuap', of Epau Village performed a climate change song in which they sang about the changes that village people are witnessing today. According to the song, even though they don't have degrees and didn't finish school, they are well aware that climate is different now.

The first place reggae band 'The Concerners' performed a song about climate change and forests. They sang about the regrets they feel because their water sources are drying up and the bush is being cut down, all because of our own actions.

Second place 'Reality Band' entitled their climate change song 'Real Violence', and sang about how dangerous the impacts of climate change are in Vanuatu, including sea level rise, expanding drought and flood seasons and loss of biodiversity. They also sang a forestry song focusing on the sustainable use of trees in Vanuatu. The song discouraged people from logging the bush for money and encouraged them to safeguard precious natural forests like those on Mt. Tabwemasana and Champagne Beach.

In third place, the all female 'Lady Jesarnel' band sang about the need to survive climate change despite the difficulties. They encouraged listeners to adapt and innovate to cope with climate change in Vanuatu.

Rita Norman, Youth Officer with Wan Smolbag said, 'this band competition made climate change awareness really interesting for youth. So many times we only hear people talk about important issues. We listen and then we forget. But because music is so popular now, the kids here were excited to do their own research and really learn about the causes and impacts of climate change, as well as solutions, to put in their songs.' She said she hopes that this kind of musical awareness will continue for years to come.

Hosted by Wan Smolbag youth officers Obed Melvin and Ross Fraser, there were educational booths set up by SPC-GIZ, Live and Learn and the Department of Forests. When students from local schools (like Vila North) answered climate change questions correctly they won seedlings to take home and plant to help fight climate change.

The SPC-GIZ Climate Change Coordinator for Vanuatu, Dr Christopher Bartlett was especially pleased by the turnout at the event, saying 'climate change is here in Vanuatu now, and people are seeing changes. These songs by the youth highlight excellent ways that we can start to adapt to these changes. These kids have done a great job, now it's up to the rest of us in Vanuatu to start taking action too!'

SOME OF THE HIGHLIGHTS UNDER THE THREE OBJECTIVES AND THIRTEEN OUTPUTS OF THE LRD STRATEGIC PLAN ARE AS FOLLOWS;

OBJECTIVE 1: FOOD AND NUTRITIONAL SECURITY

Output 1.1 Development of policies to support the production, utilisation and consumption of locally grown food sources

LRD continues to engage in the Pacific Food Secure Working Group, assisting in the development of the Framework of Action on Food Security in the Pacific project matrix and ensuring project development and implementation is in line with the Framework.

The European Commission, in partnership with the Africa, Caribbean and Pacific Secretariat, continues to support LRD as the Pacific Focal Point for the All Africa Caribbean and Pacific Agricultural Commodities Program, which resulted in LRD providing support to the development of the Samoa Fruit and Vegetable Strategy, the Solomon Islands Coconut Industry Strategy, and capacity building for farmer networks, among other outputs.

Output 1.2 Agro-biodiversity conserved, promoted and utilised

The new virus indexing facility in CePaCT is developing expertise in banana and sweet potato virus testing. The facility can now test for viruses in taro, yam, banana and sweet potato, using the latest technology and internationally accepted protocols. This greatly facilitates the movement of planting material, and it is significantly cheaper than overseas testing.

CePaCT has distributed 1,239 accessions (13,737) of banana, cassava, cowpeas, ginger, potato, swamp taro, sweet potato, taro, vanilla, xanthosoma and yam to 27 countries, and has imported 422 accessions: 14 of banana, 9 of drought tolerant cowpeas, 36 of swamp taro, 16 of sweet potato, 47 of yam and 300 of taro

The SPC/FAO Animal Genetics Project has continued with the DNA characterisation of blood samples to identify unique and adapted breeds of local chicken and pigs in the region. A report has been completed to document the laboratory findings and location of each local breed.

The EU-funded Adapting Clonally Propagated Crops to Climate Change project and the establishment of the International Network for Edible Aroids (INEA) has progressed well. Fifteen countries each received 50 taro accessions from the taro collection maintained by the Centre for Pacific Crops and Trees. Farmers of the Pacific will benefit from this exchange by receiving the breeding lines produced by countries all over the world.

Output 1.3 Diverse food supply systems promoted

LRD has continued to promote diversity in food supply systems through supporting the establishment of collections of food crop diversity and the exchange of that diversity. The focus in 2011 has been specifically on the unique banana diversity found in the Pacific and the edible aroids, in particular, giant swamp taro. This diversity is being characterised and evaluated to support its use in food supply systems.

Through the Pacific Agribusiness Research and Development Initiative (PARDI) supported taro project “Developing a clean seed system for market-ready cultivars in Samoa” varieties will be identified which are suitable for producing a range of food products, for example, snack foods, thereby expanding the opportunities for using taro in food systems.

Key equipment has been provided by the Japan International Cooperation Agency (JICA) for a tree seed centre at the LRD premises in Narere to facilitate the efficient and safe sharing and exchange of seeds of selected tree species. The Centre will also undertake research and provide training. An AusAID-funded project being implemented jointly by LRD and the Commonwealth Scientific and Industrial Research Organisation (CSIRO) will be providing training on tree seed technologies to support the regional centre, and also capacity at national levels for the project countries of Fiji, PNG, Samoa, Solomon Islands, Tonga and Vanuatu for the next three years.

Output 1.4 Traditional knowledge preserved, enhanced, utilised and acknowledged

A study on indigenous agricultural knowledge in the Pacific, with special reference to Article 9 (which refers to Farmers' Rights) of the International Treaty for Plant Genetic Resources for Food and Agriculture (ITPGRFA) was carried out in Cook Islands, Fiji and Samoa. A report has been published on the findings.

Stories of traditional knowledge of Pacific agricultural practices have been compiled in collaboration with the Pacific Island Extension Network (PIEN). The aim is to document traditional knowledge in view of food security challenges, climate change impacts and sustainable agricultural practices.

OBJECTIVE 2: INTEGRATED AND SUSTAINABLE AGRICULTURE AND FORESTRY RESOURCES MANAGEMENT AND DEVELOPMENT

Output 2.1 Sustainable forestry, agriculture and land use plans, policies and legislation supported

LRD, in collaboration with the Tasmania Forest Practices Authority supported the formulation of a forest management plan for Niue. The plan has been submitted to the government for endorsement.

In response to the 2010 HOAFS recommendations, LRD organised a number of activities to celebrate the International Year of Forests. These included the publication of a book and DVD on Pacific forestry, and several awards and competitions. The highlight of the year was the regional forestry technical meeting, which discussed emerging issues and opportunities, and ways forward for Pacific forestry. The celebration of the International Year of Forests was an excellent opportunity to raise the profile of forests in terms of their contribution to our well-being, and the issues and challenges faced in sustainably managing these important resources.

Development of FAO-funded Agriculture Technical Cooperation Program (TCP) on communication and awareness of pesticide risks, NGO consultations and seeking private stakeholder input. The TCP is linked to two other FAO TCPs on alternative pest strategies and pesticide regulations. The three TCPs were produced in response to HOAFS recommendations.

Output 2.2 Sustainable and appropriate forest, agriculture and land use management practices developed and promoted

LRD supported the Drawa community-based sustainable forest management project to secure funding from the Global Environment Facility (GEF) small grants scheme. Despite the good results that had been reported for Drawa, significant work is required to ensure sustainability of the community-based project in the long-term. This funding will support the implementation of important activities previously delayed because of funding constraints.

LRD continue to coordinate Pacific Organic and Ethical Trade Community (POETCom) activities, displaying organic products supplied by POETCom members and hosting an organic luncheon during the Pacific Forum Leaders Meeting in New Zealand.

LRD continued with the delivery of its paravet training programme. To date, over 250 trainees have graduated from the region with two more training sessions still to



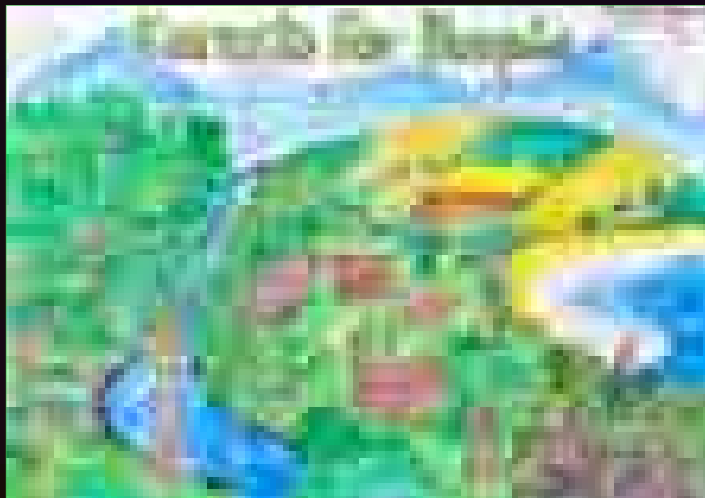
be held in 2011. LRD has commenced exploring ways of supporting the sustainability of this programme in the region. A possible mechanism is to institutionalise it in national tertiary training institutions in member countries. A meeting to explore this was held in Nadi, Fiji that included representatives from the Ministries of Agriculture in Vanuatu, Fiji, CNMI, PNG, Samoa, American Samoa, Solomon Islands, Tonga, and representatives of national tertiary training institutions, including USP, Solomon Island College of Higher Education, Vudal University, UNITECH, Land Grant College, Hango College, ADAP and SPC.



Winning posters mark International Year of Forests

To celebrate the International Year of Forests, SPC Land Resources Division ran a poster competition for regional high school students. These are the three winning entries depicting the theme: Forests for People

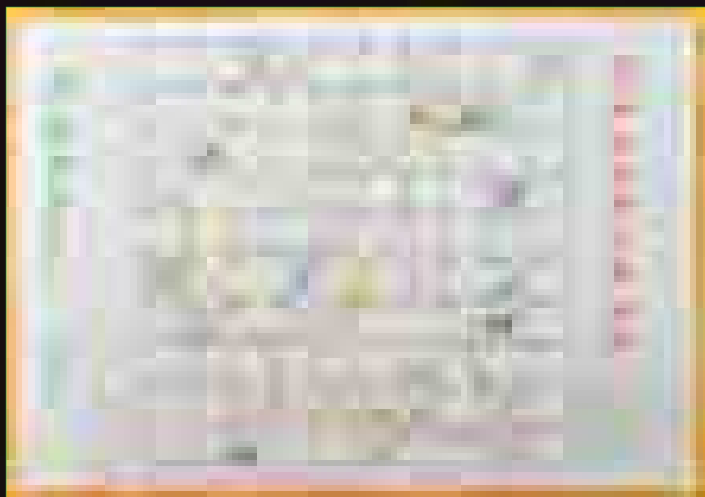
Poster competition - Category 1 (Age 6-9 years)



First Place – Sherry Pharos
Votualevu Public School, Nadi, Fiji



Second Place – Shania Prasad
Votualevu Public school, Nadi, Fiji



Third Place – Ashika Hassan
Suva Muslim Primary School, Suva

Poster Competition Category 2 (Age 10 – 14 years)



First Place – Ilaisa Waqabaca
Nausori High School, Fiji



Second Place – Nigel Hassan
Suva Muslim Primary School, Fiji



Third Place – Lamuel Apudi
Sacred Heart Catholic Primary School, Boroko – PNG.

Pacific Games 2011 Regional Quarantine Awareness

The Pacific Games is a major event bringing together thousands of Pacific athletes every four years. New Caledonia hosted the 2011 Pacific Games, 28 August to 9th September. On average, 4,000 to 5,000 Pacific islanders travel to take part in the Pacific Games as athletes, officials, and spectators.

SPC once again was engaged in the regional quarantine awareness campaign for the 2011 Pacific Games in New Caledonia. The Information, Communication and Extension (ICE) and Biosecurity and Trade Facilitation Services (BATs) thematic teams of LRD coordinated the campaign in collaboration with Biosecurity New Caledonia (Frederic Gmat, Head of Border Inspection), and Mr Olivier Auguin (SPC Planning Adviser). The campaign is conducted to sustain the momentum developed over the years of a knowledgeable Pacific on quarantine and biosecurity issues. Materials produced included a poster, a pamphlet, and airport banner. National quarantine carried out information dissemination exercises prior to teams departing overseas.

The introduction of pests and diseases is a risk associated with international travel, and countries hosting major events are wary of pests and other quarantine risk items that might be carried in the luggage of visitors. National quarantine services are at the forefront in the surveillance and monitoring of passengers at national ports of entry.

Introduced pests and diseases could destroy important food sources in fragile Pacific island environments.

Quarantine services, supported by relevant legislation, protect the national biodiversity of any country. The services are not designed to hassle passengers eager to get out of the airport. Rather, they are a precautionary measure to prevent entry of new pests that passengers may unknowingly be carrying.

Educating the traveling public on quarantine issues is an on-going concern for national quarantine services and sustaining awareness campaigns help reach a broader spectrum of the population. Travelers who are informed of quarantine issues are more likely to comply with national quarantine requirements such as declaring food items.

The measurable output is increased knowledge on quarantine issues, with associated behavioural change translating to reduced interceptions of quarantine items at national borders.

SPC quarantine awareness activities is supported by the Pacific Plant Protection Organisation (PPPO), whose members comprise of regional heads of quarantine, plant protection and biosecurity systems. PPPO is mandated under the auspices of the International Plant Protection Convention (IPPC). The PPPO Secretariat is based at LRD's Biosecurity and Trade Facilitation Service.



Output 2.3 National and regional capacity to prepare, respond, and adapt to climate change and natural disasters developed and strengthened

LRD, through support from the AusAID International Climate Change Adaptation Initiative continues to strengthen countries' resilience to climate change through evaluating crop diversity in different climatic zones and improving access to diversity with known climate tolerant traits. Accessions from CePaCT's climate-ready collections (132 accessions) are being evaluated in 14 countries. Selected countries are working with LRD to establish national collections of specific crops to be evaluated for water-logging and salinity tolerance. The Taro Improvement Programme in Samoa has expanded its breeding programme to include breeding for drought tolerance. LRD, through support from the Department of Climate Change and Energy Efficiency (DCCEE), contributed to and participated in two studies; "An analysis of adaptive capacity in relation to biodiversity" and "Assessing the social and economic value of germplasm and crop improvement as a climate change adaptation strategy: Samoa and Vanuatu case studies"

Baseline data on the impacts of climate change on livestock populations in the Pacific region were reviewed and compiled at the SPC/GIZ Livestock Climate Change Adaptation Workshop held in August 2011. Assessment and prioritisation of adaptation options for the livestock sector were documented, including the use of traditional knowledge to provide insights where limited data are available.

LRD supported the SPC/GIZ project on climate protection through forest conservation in PICTs in the organisation of the project's national workshops in the project countries of PNG, Solomon Islands and Vanuatu. These workshops provided the forum for consultations with key stakeholders to identify priority activities to implement in the three countries.

Output 2.4 Invasive species, pest and disease problems identified and addressed and capacity to respond at national and regional level supported

With assistance from the Pacific Agreement on Closer Economic Relations (PACER) project, LRD continued to provide technical assistance and equipment for a fruit fly surveillance trapping network in Marshall Islands, Samoa's MAFF Fruit Fly Area Wide integrated pest management programme, and Pitcairn Island. Funding was provided to conduct surveys and purchase supplies for surveillance and containment of the thrips incursion in Cook Islands and 1,000 copies of public awareness posters on the coffee berry borer incursion in Papua New Guinea were provided.

LRD with national counterparts in Kiribati, PNG (Bougainville, and five highlands provinces), Fiji, Tonga, Solomon Islands, Marshall Islands and Vanuatu have conducted plant health surveys and updated the pest list database (PLD) of those countries. Control options were recommended for the incursion of an invasive moth that attacked an ornamental tree (Kou) in Tuvalu. LRD supported the PNG National Agricultural Quarantine and Inspection Authority and PNG Cocoa and Coconut Institute with the collection of coconut leaf samples, and paid for the diagnostics and authentication of its causal pathogen of the Bogia coconut wilt. The Plant Health section of LRD will be an active partner in later studies of this disease, its vector complexes and mode of spread, etc. In collaboration with the Tonga Ministry of Agriculture, Forestry and Fisheries, a varietal screening of yams for anthracnose disease has been initiated, which will include screening fungicides for their efficacy on susceptible varieties. Advice was given to control coconut scale and mealy bug infestations and sooty mould spread on coconut, bread fruit and banana on some of the Marshall Islands.

In collaboration with the ACIAR papaya project, LRD isolated, cultured and authenticated the causal pathogen of a disorder reported on papaya plants on two sites in Fiji (Dawasamu and Volivololi), where it was proved that it was not the exotic *Erwinia papaya* responsible for crown rot. This greatly benefited the Fiji papaya growers and exporters.

Output 2.5 National and regional capacity of extension, outreach and information services strengthened

LRD coordinated PIEN assistance to the Pacific Agribusiness Research for Development Initiative project linking smallholder farmers to extension networks and markets. Systems to promote ICTs for sustainable agriculture and forestry were also developed.

LRD coordinated a regional quarantine awareness campaign for the 2011 Pacific Games in New Caledonia in consultation with New Caledonia quarantine, Biosecurity and Trade and Pacific Plant Protection organisation (PPPO). Quarantine brochures, posters and airport banners were produced and distributed to heads of quarantine, who met with team officials and gave out the materials.

LRD continued consultations with regional stakeholders on the Pacific Youth in Agriculture (PYIA) strategy and the SPC Human Development Programme to identify activities for collaboration and funding assistance from donor partners. Many of the activities identified in the PYIA strategy are already addressed in national programmes targeting youth.

OBJECTIVE 3: IMPROVED BIOSECURITY AND INCREASED TRADE IN AGRICULTURAL AND FORESTRY PRODUCTS

Output 3.1. National capacity to comply with international and other relevant standards strengthened

LRD continued to provide technical and scientific advice to PICTs on the import risk analysis for livestock and livestock products. This included Fiji (import of frozen poultry from Brazil and sheep, goats and dairy cattle from New Zealand), Kiribati (import of various meat types from the USA), and Niue (Niue as a transit point for zoo animals into New Zealand). LRD also assisted in the export of pet animals from the Cook Islands.

With assistance from the Pacific Regional Economic Integration Programme (PACREIP), LRD set up biosecurity information facilities (BIFs) with equipment, and provided training in Fiji, French Polynesia, PNG, Tuvalu, Solomon Islands, Marshall Islands and Niue. Equipment and software were also provided to Tonga, Vanuatu, FSM and Palau. The Cook Islands and Fiji BIFs are now operational and operators can use their online operations manuals to undertake import permitting and export certification using the system. Quarantine training was provided to Guam, Northern Mariana Islands, FSM, Marshall Islands and Palau to help them understand and comply with international standards. All countries were assisted in participating in international standard setting for phytosanitary measures.

LRD facilitated bilateral discussions for Fiji's discussions with Australia and New Zealand biosecurity authorities on fresh taro export conditions.

Output 3.2 National capacity to increase domestic and export trade developed and strengthened

LRD completed the remaining activities under the PACER project with technical assistance for market access of Island cabbage and Polynesian plum from Fiji, Tonga, Samoa, Cook Islands and Vanuatu; developed a market access request for plantain to New Zealand and provided training on cured vanilla for Niue. LRD supported Fiji and Tuvalu in efforts to initiate inter-island trade between Rotuma and Tuvalu. This included marketing missions for a Fiji delegation to Tuvalu and a Tuvalu delegation to Rotuma, and import risk analysis for access of taro, sweet potato and cassava to the Tuvalu market.

The Government of Australia, through ACIAR, has provided resources to LRD under the Pacific Agribusiness Research and Development Initiative to assist with the develop-

ment of taro cultivars, facilitate niche market access for Pacific cocoa growers. LRD, with support from the Pacific Agribusiness Research and Development Initiative under the Pacific Breadfruit Project, is expanding and increasing access to breadfruit diversity and developing systems to increase the availability of planting material.

Output 3.3 Sustainable and viable post-harvest technologies developed and promoted

In collaboration with ACIAR and Fiji Ministry of Primary Industries, LRD implemented a new project to improve pathways for exports of taro to Australia and New Zealand. This project aims to engage Fiji, Samoa, Australia and NZ quarantine authorities in dialogue to define current problems with taro and foliage export pathways.

With assistance from the PACER project, LRD's Biosecurity and Trade Support section participated in the final design missions for AusAID's Pacific Horticultural and Agricultural Market Access (PHAMA) project to Solomon Islands, Fiji, Samoa, Vanuatu and Tonga, and implementation of Component 4: to provide regional market access support services.

Output 3.4 Improved information available on plant and animal health status

LRD compiled available 2008–2011 animal disease reports provided by Fiji, FSM, New Caledonia, Kiribati, Samoa, Solomon Islands, Tonga and Vanuatu. Data were recorded and submitted to the World Organization for Animal Health (OIE) through the OIE World Animal Health Information System (WAHIS) online disease reporting system, which will be used as reference for exportation of terrestrial and aquaculture products from the Pacific region to EU countries. Quarantine awareness material was provided to PNG, Samoa and Fiji for various plant pests.

The PHAMA project supported SPC's full membership of Commonwealth Agricultural Bureau International (CABI) and access to the five different compendia, including the soon to be released Invasive Species Compendium which, from 2010, will include significant sections of the current Crop Protection Compendium. LRD maintains the Pacific Plant Protection Organisation website on the international phytosanitary portal. The Pacific fruit fly website (www.pacifly.org) is also serviced and updated regularly, as is the regional Pacific Plant PLD, which is used in import risk analysis and negotiations for market access. Authenticated pest records from plant health surveys are regularly updated in the PLD.

FABN project strengthen animal health laboratory skills

James Cook University, in partnership with the Secretariat of the Pacific Community, kicked off the implementation of the Food Animal Biosecurity Network (FABN) project with a laboratory training workshop in Fiji. The project is funded by the Australian Agency for International Development (AusAID) through their Pacific Public Sector Linkage Program. The workshop on laboratory quality assurance was held July 18–20, in collaboration with the Animal Health and Production Division of the Fiji Ministry of Primary Industries at the Fiji Veterinary Pathology Laboratory in Koronivia. Dr Jeffrey Warner, senior lecturer and microbiologist from James Cook University, facilitated the workshop, which focused on good laboratory management practices for improved quality assurance. This activity is the first of the series of five workshops geared towards strengthening technical skills in laboratory biosafety, biosecurity and diagnostics. The objective of the FABN project is to deliver enhanced animal health field and laboratory capability to the Pacific Islands, particularly in the area of animal disease surveillance, to allow assessment under OIE (World Organisation for Animal Health) guidelines for trade in animals and animal products. Project activities will attempt to build on the animal disease diagnostic capacity established through the Pacific Regional Influenza Pandemic Preparedness Project (PRIPPP). Project activities will be implemented in Fiji, Papua New Guinea, Vanuatu and Solomon Islands. Field and laboratory staff from Fiji, Vanuatu and Papua New Guinea participated in the three-day workshop aimed at improving quality of services for animal disease surveillance and diagnostics in the Pacific. Participants are expected upon their return to their respective workplaces to endeavour to improve animal disease surveillance and diagnostic services in line with this vision, and the skills to do so. They will apply the skills they acquired in the area of quality assurance through the improvement of standard operating procedures in field sampling, laboratory operations and shipping protocols. This will serve as a prerequisite requirement for the next workshop, scheduled for November 2011. The second workshop will focus on serological techniques animal disease diagnosis. The remaining three workshops – covering microbiology, molecular diagnostics and sample packaging and transport – will be delivered during the next two years.



2012 WORK PROGRAMME AND BUDGET

The 2012 work programme will be developed in detail in the first few weeks of 2012. It will be in line with the recommendation of the CRGA and will include any new priorities identified. Results and activities are assigned to individual staff. These form the basis of work plans for performance appraisals during the year.

LRD will continue to implement its ongoing projects, including the GIZ Coping with Climate Change in the Pacific Island Region project, the AusAID Forests and Trees Programme, the EU-funded Facilitating Agricultural Commodity and Trade in the Pacific and the Increasing Agriculture Commodity and Trade projects, the AusAID International Climate Change Adaptation Initiative, the AusAID Pacific Horticultural and Agricultural Market Access, the ACIAR Pacific Agribusiness Development Initiative and other project interventions. These are integrated into LRD's framework in terms of implementation and reporting to donors, Heads of Agriculture and Forestry and SPC's Committee of Representatives of Governments and Administrations.

LRD will continue to operate under its three objectives namely — improved food and nutritional security, integrated and sustainable agriculture and forestry resources management and development, improved biosecurity and increased trade in agriculture and forestry products — with thirteen outputs to be delivered at the regional, national and local levels by seven thematic area teams, together with the three supportive teams.

In line with the LRD strategic plan objectives, the Director and supporting staff will concentrate on strengthening their relationship with stakeholders: colleagues in agriculture and forestry departments, other regional agencies, partners that provide funding support, and international organisations. The Director has oversight of the implementation of the work programme of the division, as well as the management of major projects that involve the seven thematic areas teams.

LRD is effectively integrating climate change into the division's work programme. Funding from AusAID through the International Climate Change Adaptation Initiative and, more recently, the US government enables LRD to strengthen the capacity of member PICTs to respond to climate change. The central focus of LRD's work in these projects is to assist PICTs build their resilience to climate change.

The **Improved food and nutritional security** objective will be achieved through the implementation of four out-

Meeting of South West Pacific Ministers for Agriculture focuses on sustainable agriculture and food security



The 14 members of the Food and Agriculture Organisation (FAO) South West Pacific Ministers for Agriculture met on Vava'u Island in Tonga, 5 to 7 April, 2011. FAO Director-General, Dr Jacques Diouf delivered the keynote address while the meeting was opened by the Acting Prime Minister of Tonga, Samiu Vaipulu.

The theme adopted for the meeting is "Sustainable Agriculture and Food Security in the Pacific Islands: Emphasizing the linkages between the Economic, Social and Environmental Dimensions."

Opening the meeting, Minister Vaipulu said, "The special emphasis on linkage highlighted the fact that food security is not just about money and technology though, of course both are essential. It is not just about producing more food. Food Security requires food to be both available and affordable and that entails the importance of linkages of concerted and coordinated actions by all responsible parties to food security of ministries, farmers, producers, traders, NGO's regional and international organizations with our own respective countries as well as regionally and globally."

"There is a need to intensify and modernize our agriculture and fisheries by combining both, the best local traditional knowledge with the best available science and technology as well as by simultaneous promotion of good land, biodiversity and marine resources stewardship," said Minister Vaipulu.

At the end of two-days' discussion on food security issues and trade in the region that identified potential areas for improvement and assistance, the Director-General of the Food and Agriculture Organization of the United Nations (FAO), Dr Jacques Diouf, in his keynote address gave his assurance that FAO was committed to supporting the priorities of member countries and would continue to work closely with them through a range of initiatives, including the Food Security and Sustainable Livelihoods Programme for the Pacific.

Representatives of the Secretariat of the Pacific Community attended the meeting as observers, and presented a paper on 'Improved Plant Protection and Biosecurity for Sustainable Agriculture and Food Security'.

The Governor of Vava'u, Lord Sevele, in his welcoming remarks said that food security is achievable. He said that whilst rising food prices have an impact on Tonga, there is great strength and resilience in the subsistence economy.

The Director of the Secretariat of the Pacific Regional Environment Programme (SPREP), Mr David Sheppard, in his address to the meeting linked agriculture with climate change and the environment in the Pacific and stressed several key priorities: the loss of biodiversity, waste management and climate change.

Steps outlined to improve linkages between agriculture, climate change and the environment included the need for more funding, better partnerships between private sector and government services, sustainable agriculture, joint water programmes, marine and coastal conservation, more effective institutions, better information and recognition of the special needs of Pacific Island countries. Improved cooperation between the agriculture and environment ministries is also essential to effectively address the impacts of climate change.

The meeting agreed that managing the interdependent goals of economic growth, social development and environmental protection requires institutions that are not independent and fragmented but rather are willing to coordinate and integrate economic, social and environmental objectives at each level of policy development and decision-making. Delegates noted that a sustainable future will depend upon a considerable shift in attitudes, values, lifestyles and behaviour across the globe.

The conference was attended by agriculture ministers from Cook Islands, Nauru, Niue, PNG, Samoa, Solomon Islands, Vanuatu and Tonga with representatives from the Federated States of Micronesia, Republic of Marshall Islands, Fiji, Kiribati, Palau, Tuvalu, NZ and Australia. Representatives from the Pacific Islands Trade and Investment Commission (PITIC), Forum Fisheries Agency (FFA), the Secretariat of the Pacific Community (SPC), South Pacific Regional Environment Project (SPREP), Pacific Cooperation Foundation (PCF) and the Spanish Embassy office in Wellington attended as observers.

puts, with a focus on activities that will be in line with the Framework of Action for Food Security in the Pacific. The focus on facilitating access to traditional and improved crop and animal diversity will continue in order to address the challenges of climate change and to meet the demands of the market-place. Value chain development will be supported through projects that identify suitable diversity and improve propagation and production. Policy development will address the need to raise awareness on the importance of traditional food and to support policy development. Efforts will focus on the documentation of traditional practices to support sustainable and resilient food supply systems, the need to look for cheaper animal feed sources for livestock using locally available raw feed ingredients, and the identification of climate change adapted livestock breeds.

The *Integrated and sustainable agricultural and forestry resources management and development* objective is implemented through its five outputs and activities such as the establishment of a climate change adapted collection of over 100 crop varieties; the establishment of a mechanism for rapid seedling production and distribution in times of disaster; the strengthening of pest incursion responses and quarantine pest surveillance in most PICTs; development of national agriculture strategic plans in five PICTs; support for review and harmonisation of legislation and regulations on the use of pesticides in six PICTs; finalising the national land use policy for Cook Islands; support for the review and development of agricultural policies for Tonga and Vanuatu; mainstreaming of climate change into agriculture and forestry sector plans; and capacity building of PICT stakeholders on agriculture, forestry and land policies and sustainable practices.

The *Integrated and sustainable agricultural and forestry resources management and development* objective is implemented through its five outputs and activities such as the establishment of a climate change ready collection for evaluation of over 100 crop accessions; the development of a mechanisms for rapid seedling production and distribution in times of disaster; the strengthening of pest incursion responses and quarantine pest surveillance in most PICTs; development of national agriculture strategic plans in five PICTs; support for review and harmonisation of legislation and regulations on the use of pesticides in six PICTs; finalising the national land use policy for Cook Islands; support for the review and development of agricultural policies for Tonga and Vanuatu; mainstreaming of climate change into agriculture and forestry sector plans; and capacity building of PICT stakeholders on agriculture, forestry and land policies and sustainable practices.

Under its third objective, *Improved biosecurity and increased trade in agriculture and forestry products implementation*, there are four outputs with activities that include improving market access for key commodities to New Zealand; facilitating trade between PICTs, especially between Rotuma and Tuvalu; support for public awareness on safe movement of trade commodities; trading in improved live animals, beginning with the importation of dairy cattle from New Zealand to help Fiji's dairy industry; assistance for member countries in updating their animal disease status through OIE's WAHIS system; LRD's pest list data base well resourced to strategically place PICT trade regionally and internationally; capacity building of PICT stakeholders on biosecurity and trade facilitation.

The 2012 budget is summarised below.

	Core	Program	Project	Total
Directors office	171000	0	0	171000
AHP	0	331600	0	331600
BAT	0	102100	1702900	1805000
CP	0	178000	1244300	4222300
FAD	0	0	2932200	2932200
FAT	0	209300	59100	268400
GRT	0	217100	850700	1067800
IKM	0	115100	0	115100
LMRPST	112600	112600	0	233200
AS	0	161600	73100	234700
PH	0	203600	645800	849400
Total	291600	1631000	7508100	9430700

These figures are broadly similar to the 2011 budget presented to CRGA, but project funding has increased with the inclusion of a full year's budget for the EU-funded IACT project.

The 2012 budget excludes a number of new AusAID, EU and FAO initiatives that are currently being negotiated or have already been approved. These will probably fill in some of the gaps left with delays in processing proposals made to other donors. These new initiatives include;

Agriculture and Rural Development Project:

This is funded under EDF10. The project is expected to have a broad relevance for Pacific Island Forum members. The likely core components of the project are:

private sector development for agricultural micro, small and medium enterprises (MSMEs);

dissemination of sustainable agricultural practices focused on smallholders;

increased uptake of productivity enhancement practices and inputs for the main production systems in each country;

strengthened research and development and extension services for agricultural MSMEs and sustainable practices;

support for female smallholder farmers;

linkages to existing programmes in disaster preparedness and climate change mitigation measures.

Strengthening Integrated Crop Management Research in the Pacific Project:

The project is funded by the ACIAR programme. Within the broader development goal of improving the livelihoods of smallholders and their communities, the project's aim is to build and sustain the capacity to develop integrated crop management strategies to support the sustainable intensification of high-value crop production for export and domestic markets in the Pacific region.

Its main objectives are:

to develop coordination and information support systems for intensified horticulture (Lead organisations: SPC, with Terra Circle and CABI)

to diagnose emerging pest and disease problems and develop management tactics (Lead organisations: University of Queensland with SPC)

to develop integrated approaches for intensifying vegetable production (Lead organisations: AVRDC-The World Vegetable Center with SPC)

PPPOExCo Annual Meeting



Pacific Island leaders have always considered trade an important aspect of Pacific Island livelihoods and they encourage the relevant agencies to increase the volume and range of commodities being traded. However, with increased trade there is always the issue of pest and disease invasion, which could seriously harm trade.

These and related biosecurity issues were discussed at the PPPOExCo (Pacific Plant Protection Organisation Executive Meeting) annual meeting held 23 to 25 November, in Nadi, Fiji. Eleven participants from ten countries — Australia, Cook Islands, Fiji, Federated States of Micronesia (FSM), Guam, Nauru, New Caledonia, New Zealand, Solomon Islands and Tonga — attended the meeting with regional partners the

Vegetation and land cover mapping and improving food security for building resilience to a changing climate in the Pacific Island Communities.

The project is funded by the USA. The goal of this regional project is to evaluate and implement innovative techniques and management approaches to increasing the climate change resilience of terrestrial food production systems for communities in selected PICTs (Kiribati, Fiji, Samoa, Solomon Islands, Tonga and Vanuatu). Its main objectives are as follows;

to improve understanding of the present and future climate-related constraints on sustainable food production in Pacific Island agriculture systems and adopt innovative adaptation responses that contribute to maintaining or increasing food security;

to strengthen national and community capacity to build food security and respond proactively to climate change and climate variability;

to improve integration of successful approaches into national and sector climate change adaptation strategies.



Australian Centre for International Agricultural Research, the Secretariat of the Pacific Regional Environment Programme and the UN Food and Agriculture Organization's sub regional office.

The PPPOExCo meet annually whereas the larger PPPO Council meet every three years; the PPPOExCo comprises of representatives from the three sub-regions Micronesia, Melanesia and Polynesia plus Australia and New Zealand. The Secretariat of the Pacific Community hosts the PPPO Secretariat through LRD Biosecurity and Trade Facilitation Service (BATs) Thematic Team.

In remarks to open the PPPOExCo meeting, Acting Director of SPC's Land Resources Division (LRD) Mr Inoke Ratukalou, said, 'There is an increasing number of plant pests and other invasive alien species being recorded in the Pacific region. They have spread and will continue to spread throughout the region if we are not vigilant enough.

'The latest pest is the small fire ant recorded on Guam, but the establishment and spread of the cocoa pod borer, the giant African snail, the coconut rhinoceros beetle, papaya crown rot, parthenium weed and meremia vine should be of concern for the region,' he said.

'There are many more organisms, such as the Asian longhorn beetle and the khapra beetle, that threaten the region. Continued surveillance and preparedness must be encouraged among member countries and they must collaborate in their efforts to keep these and other alien species out.'

'SPC recognises the need for Pacific Island countries and territories (PICTs) to participate in the World Trade Organization's international standard setting processes

and therefore currently hosts both the PPPO Secretariat, linking it to the International Plant Protection Convention, and the World Organisation for Animal Health (OIE).

'SPC has a memorandum of understanding with both organisations to assist PICTs in plant protection and animal health standard setting and disease reporting systems, as well as in capacity building,' Ratukalou said. 'SPC/LRD has been at the forefront of these areas and has assisted PICTs to deal with plant protection, animal health and quarantine issues,' he said.

Ratukalou also mentioned that SPC-LRD has in the past secured the Pacific Agreement on Closer Economic Relations (PACER), the Pacific Regional Economic Integration Programme (PREIP) and, more recently, the EU-funded Facilitating Agriculture Commodity Trade (FACT) project and the new 'aid for trade' Increasing Agricultural Commodities Trade project (IACT), which commences in the new year.

'This will further strengthen our capacity to assist PICTs in trade facilitation issues, including biosecurity.'

The PPPO was established in 1996 but SPC has a long history of providing technical advice to PICTs since the 1950s, when entomologists and plant protection officers were based in Noumea, later relocated to Suva and recently expanded to Pohnpei.

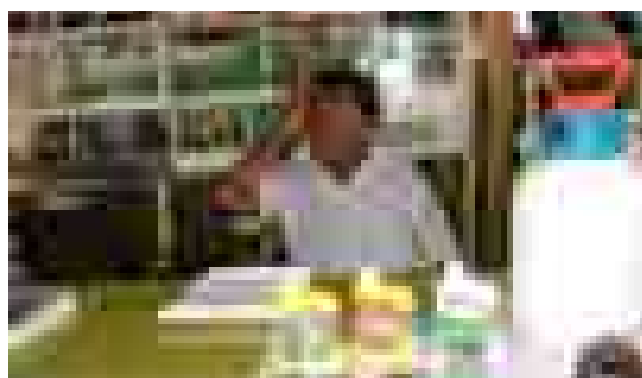
Current chair of PPPOExCo is Guam with vice chairs New Zealand and Australia. The PPPO executive committee members are Cook Islands, Tonga, New Caledonia, Solomon Islands, Federated States of Micronesia and Nauru.

The PHAMA Project also participated in the meeting. PHAMA Component 4 comprising of discrete set of activities will be managed by SPC through the Biosecurity and Trade Facilitation Thematic Team.

Agriculture Technical Cooperation Program on pesticide registration, communication and alternatives:

The project is funded by the FAO. LRD and FAO have collaborated on two projects: (a) Strengthening Food Analytical Capabilities in the Pacific Region and (b) Capacity Building for the Implementation of Multilateral Environmental Agreements in ACP Countries: Obsolete Pesticides and Pesticide Management. The latter initiative has identified pesticide regulation, alternatives to chemical pesticides, and communication and raising awareness of pesticides as critical areas where support and capacity development are needed. Each of these areas will be the subject of separate proposals for support under the agriculture TCP modality at FAO to be managed and coordinated by LRD.

These projects will focus on the main pesticide importing countries in the region (Fiji, Samoa, Solomon Islands,



Vanuatu and Tonga). Project outputs could be used to address similar issues in other countries in the region through existing regional structures or under future arrangements with FAO and other agencies. This TCP will build on these previous initiatives and link closely with the TCPs on alternatives to chemical pesticides and the TCP proposal on communication and raising awareness of pesticide risks that are currently under review by FAO.



SPC assists with product development and market access

Ni-Vanuatu food entrepreneur Votausi Mackenzie-Reur has, quite literally, put her money where her mouth is. A longtime champion of local produce, she's the force behind Lapita Cafe, a company based in Port Vila that manufactures snacks and flour made from island staples like manioc, taro and canarium nuts. For years, Votausi operated a renowned eatery, serving local food, which caught the attention of travel guidebooks. It was here that she saw the need for value-added food products made from traditional produce bought directly from the country's farmers. That was in 2002.

Today, Lapita Cafe's ginger and coconut cookies and manioc chips are served on Air Vanuatu's domestic and international flights, while the Lapita brand prepares to break into Australian and New Zealand markets. In fact, Lapita was recently chosen to be part of the 'True Pacific' brand, a new campaign by the Pacific Cooperation Foundation that is promoting high quality goods of Pacific Island origin to consumers in New Zealand. For the past two years, Votausi has worked closely with the European Union-funded Facilitating Agricultural Commodity Trade (EU-FACT) project on improving food safety and quality, developing products for export, and new packaging. Implemented by the Secretariat of the Pacific Community, the EU-FACT project supports commercial ventures and producer groups in becoming export-oriented, market-driven enterprises that will consistently supply overseas markets with competitive agricultural and forestry products. Running since 2008, it provides technical assistance across an enterprise's entire supply chain.

Another Pacific enterprise that is finding new uses for old ingredients and that specialises in value-added food products is the Howman family business, T.H. Plantation, based in Apia. The enterprise makes popular chips from fresh bananas, taro and breadfruit purchased from Samoa's rural farmers. Here, too, the EU-FACT project assisted with improved processing techniques and the renovation of processing facilities to meet international standards.

An interesting fact for banana growers — both Lapita Cafe and T.H. Plantation produce banana chips but they use different varieties; Lapita Cafe favours plantains while T.H. Plantation uses the Cavendish variety.

Solomon Islanders have a long-held tradition of taking a gift of *ngali* nuts when visiting a neighbouring tribe or village. These nuts, produce of the evergreen tree canarium, have been frequently identified as one of the most promising underdeveloped export market opportunities in Melanesia. Now, Richard Pauku of Maraghoto Holdings in Honiara runs a small, family-owned business that works closely with rural communities to commercialise the production of *ngali* and other indigenous nuts and fruits such as beach almond, cutnut, Tahitian chestnut and breadfruit. When dried, these nuts are used in commercial nut mixtures. Canarium nut oil can also be used to make body care products, and plans are under way to begin exports in 2012.

The EU-FACT project has assisted Maraghoto in a number of ways, including increasing and ensuring consistent nut supply through developing improved tree stock and

supporting the recently formed Nut Growers Association of Solomon Islands, constructing solar air nut driers and processing equipment, upgrading processing and storage facilities, training local staff in food safety and quality assurance and grading, and developing local and export markets.

Rich in vitamins A and C, the pandanus fruit has also been processed. Nourishing juice and baby food products are made by a Majuro-based company, Robert Reimers Enterprises, for the local market and as carry-on exports through Marshall Islanders travelling to the United States. Current company managing director, Ramsey Reimers, sought assistance from the EU-FACT project to develop new products; to conduct supply chain and marketing analyses; and to improve plant stock and replanting, management and marketing skills, food safety standards and packaging.

The pandanus fruit is also traditionally consumed in Kiribati, and SPC has helped develop new pandanus fruit juice products.

A new use has also been found for the sap of the coconut flower and toddy. Coconut sugar is gaining international appeal as a low GI (glycemic index) food and is being produced by the Kiribati Organic Farmers Association, assisted by the EU-FACT project.

Kamaimai or coconut sap syrup is another promising product, with potential as a natural sweetener similar to golden syrup or maple syrup. This is good news for the low-lying atolls in Kiribati, where toddy and *kamaimai* are traditionally prepared but where there are few natural exports.

A side benefit to using traditional ingredients in new food products is the crossover appeal in high value niche markets, such as Lapita Cafe's line of wheat and gluten-free snacks and flours made with manioc flour, coconut, canarium nut and pawpaw. These have tremendous potential in the Australasian market where consumers with food allergies pay a premium for similar products.

The lessons learnt from the five-year EU-FACT project, which wraps up in 2012, will be built on in a new €9 million 'aid for trade' project signed by the European Union and SPC in May this year. Operating in the 15 Pacific members of the African, Caribbean and Pacific Group of States, the four-year Increasing Agricultural Commodity Trade (EU-IACT) project will work to improve Pacific ACP countries' economic integration through strengthened national systems and institutional frameworks, develop their trade capacity, and increase their international market access and the competitiveness of their private sector.



Improvement of Key Services to Agriculture in the Sugar Sector:

The project is funded by European Commission. The overall objective is to help cushion the economic and social impacts of the sugar sector restructuring in Fiji by supporting diversified, market-driven agriculture. The project is designed to alleviate poverty by increasing farm income and generating opportunities in agriculture, and to help to maintain stability and sustain growth in rural areas.

The specific objective is to improve key services to agriculture in order to diversify and consolidate the sugar farming system in Fiji. Therefore the specific title is: Key services to agriculture are improved and supply capacities are enhanced.

The project is designed to alleviate poverty for the most vulnerable groups in sugar-dependent areas, focusing on two main axes:

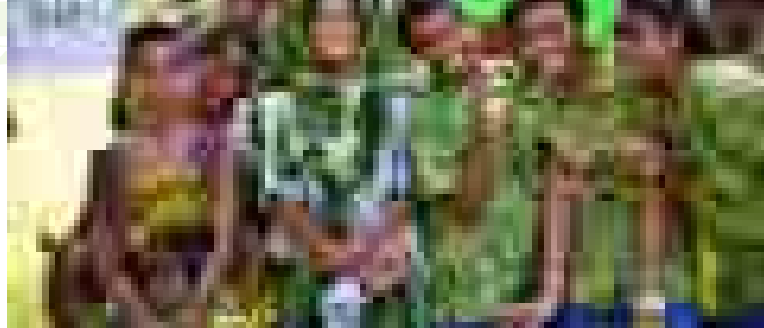
direct support to farmers through agricultural diversification in horticulture;

indirect support to farmers by improving the sugar cane sector in supporting research by the Sugar Research Institute of Fiji and extension services delivery through fair trade associations.

Enhancing the climate change resilience of Pacific Islands agriculture

This project is funded by AusAID through the International Climate Change Adaptation Initiative (ICCAI), and consist of two major components. A comprehensive assessment of the impact of climate change on Pacific agriculture that: identifies how climate change could impact agriculture, food security and economic development will be prepared and presented to a meeting of senior agriculture officials. In addition, the crop diversity work developed during the first phase of ICCAI funding will be expanded to include more countries. New project activities will include genepool enhancement, capacity building in crop improvement and the development of knowledge products to support using crop diversity as an adaptation approach.

In short, there has been progress in mobilising resources for the work of the programmes in 2012, and staff who have contributed to the design and development of proposals should be commended. This will increase the proportion of funding in LRD derived from projects, such that there will be project funded activities in every section of the division. All of these projects are of 3–5 years' duration, and while these projects address key areas identified as important by PICTs, there remains a need for more sustained finance to support the technical capacity which is often called upon by PICTs during the course of the year, and which is likely to be increasingly requested to meet the unpredictabilities of food production in the coming year.



SPC and FAO support Kids to Forest Initiative of Live and Learn Environmental Education

A pilot initiative to create awareness amongst youth and communities to appreciate the benefits of forests was recently piloted in the Fiji with support from the Secretariat of the Pacific Community (SPC) and the Food and Agriculture Organization of the United Nations (FAO).

The initiative, called Kids to Forest, was implemented by Live & Learn Environmental Education through the National Forest Program Facility (NFPF) partnership.

According to Morena Rigamoto – Live & Learn Environmental Education, Country Manager (Fiji), the initiative is a pilot project implemented over a period of six months in two Fiji schools – Mataso Primary School in Ra and Nakavu Village School in Namosi, Viti Levu.

'The overarching theme given to the Kids to Forest initiative is Imagining Tomorrow: Forests for all.'

'This theme encompasses the concepts of education for sustainable development (ESD), and encouraging children to be part of the development and delivery of actions for a sustainable future,' Ms Rigamoto said. She added that the Kids to Forest initiative primarily was developed to provide an avenue to expose younger generations to the multiple benefits of forests through hands-on learning experiences that can lead to a better understanding of sustainable forest management.

The Kids to Forest initiative included research on aspirations and perceptions of children, teachers and parents, allowing programme activities to be designed based on the perspectives of the direct beneficiaries.

'Recognising that the forest is an educational resource in itself, forest day camps were organised for children from the two schools. These camps featured local community-based resource personnel,' Ms Rogamoto explained.

'Nurseries were set up in schools, a forest fair day was organised showcasing valuable forest resources and artefacts, and educational resources were developed based on forests and sustainable forest management from children's perspectives.'

Ms Rigamoto made a presentation on these activities during a side event organised by NFPF at the second Asia Pacific Forestry Week (APFW) in Beijing.

She emphasised that such opportunities present a good platform to convey to the whole world the views and aspirations



FUTURE DIRECTION, OPPORTUNITIES AND CHALLENGES

The Agriculture and Forestry programme has been one of SPC's core programmes since the organisation's inception. Now, with the direction provided by the Heads of Agriculture and Forestry Services and Ministers of Agriculture and Forestry meetings, guidance by the CRGA, and national activities identified in Joint Country Strategies, the focus of the programme has significantly broadened to include crop production and soil management, animal production, genetic resources, forestry and agroforestry (since 1997), land use policy and planning, and more recently, trade.

The agriculture ministries of PICTs have always seen the services provided by LRD as essential to complement their own, given the limited technical and financial resources at their disposal. Emphasis on plant protection support has broadened from border control and strengthened pest and disease control to include biosecurity and trade facilitation. Over the last five years LRD has built a strong information, communication and extension outreach capability/capacity that has enhanced the impact of its interventions at national and community levels.

A strong integrated regional service, comprising professionals in diverse thematic areas backed by an effective outreach service, is crucial to support the corporate initiative of moving services closer to and engaging more directly with beneficiaries through joint country strategies. In addition, some services can only be effectively provided regionally. For example, conservation of, and ability to further develop, the region's genetic resources for food and agriculture cannot be undertaken effectively at the national level (without regional support).

Work to integrate the Agriculture and Forestry programmes started in 2004, following the review of the division in 2002. The new divisional structure has been in place since 2005 and has developed into a sustainable delivery mechanism under LRD's integrated system. The thematic and support areas of the LRD structure represent the core services provided by LRD to the membership. The focus may vary over time, influencing resource allocation. Crucial to LRD's ability to make an impact is the ability to maintain the key positions (professionals who double as coordinators) in the division's organisational structure. Other key personnel (professional positions absent in most member PICTs, e.g. plant pathologists, entomologists, veterinarians) need to be maintained for the long term.

While the human resources strength of the division to deliver its assistance to PICTs has been fair over the last decade and stronger in the last three years, maintaining LRD's science and technology capacity will be a great challenge in the coming years. With the major challenges facing PICTs, particularly in the areas of climate change adaptation, food security and land management, as highlighted by the Forum Leaders in their communiqués released after their 2007, 2008 and 2009 meetings, LRD's science and technology capacity must be adequately robust to effectively deliver to beneficiary PICTs the outputs articulated in LRD's integrated strategic plan, 2009–2012.

of children from the Pacific.

She explained that the initiative includes activities linking communities to schools whereby village resource personnel support and play an instrumental part in building awareness among children.

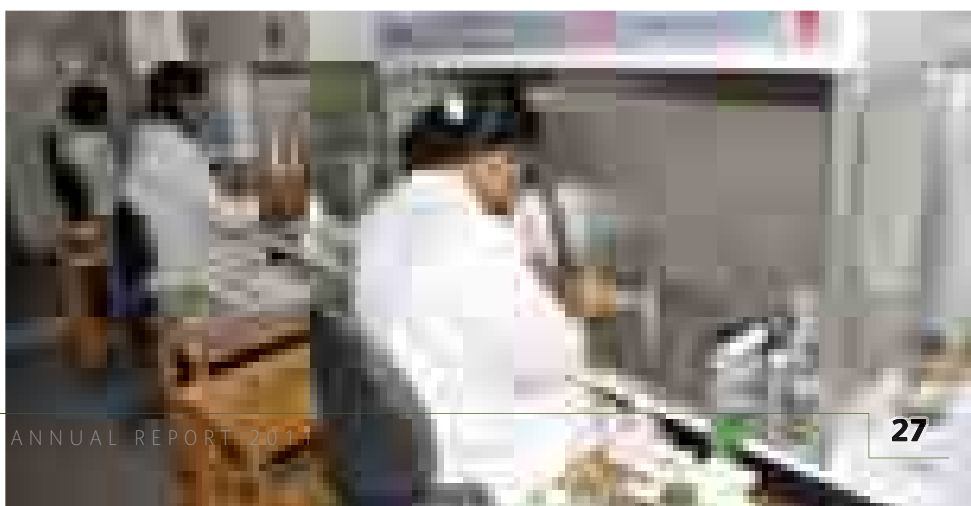
'Intergenerational transfer of traditional practices/knowledge and customary folklore enable appreciation of local skills and knowledge and is a valuable contribution to children's development.

'The Kids to Forest initiative provides benefits that cut across all age groups. Hands on learning experiences instil appreciation for the rich biodiversity held within forests, creating lasting impressions on children, teachers and whole school community, thus helping them become better managers/guards for the forest,' she said.

'The initiative also sends a message regarding the importance of sustainable forest management practices and the fact that education around forest management must integrate social, cultural, economic and environmental perspectives.'

Through this initiative SPC, through its Land Resource Division (LRD), and Live & Learn are providing innovative forest education methodologies for children across the Asia-Pacific region. This partnership offers a tremendous opportunity for countries to share and learn from each other, and to build innovative approaches to education for children.

The overall goal of this initiative is to build interest in forestry among youth, an area of emphasis for SPC LRD



Pacific agricultural officers learn ICT4D and social media tools

Over 20 participants representing research, extension, information and the media from the Pacific deliberated for 3 days (21-23 November 2011) at Tanoa Hotel, Nadi on the role of ICTs and emerging on-line tools for agricultural development.

The workshop on “Moving Beyond Strategy to Improve Information and Knowledge Management for Agricultural Development in Pacific Island States” was envisaged after strong requests from ICT/ICM experts from the Pacific island countries who also participated in the ICT/ ICM for National Agricultural Research Information Systems in Asia-Pacific Region held at Bangkok in September 2010. FAO together with Asia Pacific Association of Agricultural Research Institutions (APAARI), SPC, CTA and other partners have been working on promoting good practices and sharing experiences on agricultural development supported by innovative ICT interventions. It is understood that many innovative initiatives using mobile phone technologies and other emerging tools are being explored in many Pacific island countries and the workshop aimed to share experiences and foster stronger partnership with the Pacific island countries in the area of Information and Communication for Development (ICT4D).

In his workshop opening address, Fiji’s Permanent Secretary for Agriculture, Colonel Mason Smith, said that participants should implement the strategies they come up with during the workshop. He also mentioned that this workshop was very timely, given the many challenges that the agriculture sector faces, especially those concerning food security and livelihoods.

The Food and Agriculture Organization (FAO) Senior Extension, Education and Communications Officer, Seumanutafa Dr Malcolm Hazelman, advised the workshop participants of the need to ensure an appropriate mix of traditional and modern IT use, given the diversity existing among and between countries in the region.

Information and knowledge management i.e. generation, processing, dissemination and effective use of information and knowledge for innovation to meet current and emerging challenges in agricultural development, is a challenge in itself for the Pacific Islands Countries and Territories (PITCs). The small farm sizes, scattered nature of farms, infrastructural limitations, the need to cope with increased global competitiveness in agricultural commodities as also adapting to climate change and loss of agricultural biodiversity add further complexity to managing information and knowledge in



PICTs. With limited resources for research and innovation and for information management to meet these complex needs, these states need to effectively use all useful and relevant information and related resources available locally and globally for agricultural innovation.

The advent of new Information and Communications Technologies (ICTs) and global connectivity offers significant potential for PICTs to use information, knowledge and experience being generated globally for agricultural development locally. These technologies, especially the emerging mobile technologies including those using Internet Wi-Fi and 3G Cellular telephony, offer potential to overcome some of the limitations agricultural innovation and development faced in these states. The core barrier is information content that supports the specific needs of individual small holder farmers who are remote. New approaches to agricultural extension in PICTs now have specialized individuals in each commodity offering technical support. These intermediaries in innovation also need new information that is customized not only to meet their needs but also the needs of their clients.

APARIS Coordinator, Dr S Attaluri in his presentation said there is a growing movement of the “Coherence in Information for Agricultural Research for Development (CIARD) (<http://www.ciard.net>) initiative which advocates the importance of making agricultural research information more available, accessible, applicable and be effectively used and appropriated by agricultural communities across the world.

Dr Gerard Sylvester of FAO Subregional Office Bangkok, presented on Social Media and Web 2.0 on-line technologies. He said with the Internet and social media, anyone can produce, copy and share anything to anyone at almost no cost. People share opinions, insights, experiences, and perspectives with each other using on-line technologies.

“Social media is a conversation supported by on-line tools such as Facebook, Twitter, YouTube. The important thing about social media is the real people who use it and their social interactions.”



CONCLUSION

Most, if not all, the services provided regionally by LRD are driven by or developed in response to national priorities. Although much of this service constitutes the core business of LRD in the agriculture and forestry sectors, the funding support for these core services collectively in 2011 is only 7 %, while programme funding is 17 %, and 76 % comes from project funding.

Project funding enables implementation of projects that achieve development objectives and outcomes. The major pitfall of this type of funding is its non-continuity, which is a significant disadvantage in implementing core business that needs to be sustained over longer time frames. Therefore the need for a long term sustainable financing strategy is warranted.

2011 is the third year of the implementation of the LRD Strategic Plan. Services were generally delivered in line with expectations, but the Land Management and Resources Policy Support Team functions were limited due to the team leader taking on the Acting Director portfolio.

The seven thematic teams and three supportive teams can be expected to deliver additional results in 2012, addressing a number of new issues, provided additional project funding becomes available as expected.

42nd Pacific Forum Islands Meeting, Auckland, New Zealand, September, 2011






POETCom was invited to put up a display and help organise an organic luncheon for the 42nd Pacific Forum Islands Meeting in Auckland, 6-9 September 2011. Organic certified and Fair Trade products from the Pacific include Solomon Islands (VCO products), Samoa (organic banana chips and VCO), PNG (organic coffee) and French Polynesia (organic noni). SPC supported attendance of POETCom members from Niue, French Polynesia, Samoa and Tonga. POETCom had a booth at the Pacific Showcase held at The Cloud on the Auckland Waterfront. POETCom also facilitated sourcing items featured on the organic luncheon menu such as the PNG organic coffee and Samoan coconut-oil salad dressing. Leader of the Pacific Organic High Level Group, the honourable prime minister of Samoa Tuilaepa Sailele, gave the keynote address at the luncheon lending support to chemical free Pacific foodstuffs.


ANNEX 1

LRD – COUNTRY ACTIVITIES AND RESULTS

January – December 2011

Country	Activity	JCS (y/n)	Cost FJD	Results
American Samoa 	<ul style="list-style-type: none"> Supported the participation of one staff member at the regional forestry technical meeting held in Nadi, Fiji, to discuss a regional framework for REDD in the Pacific, and emerging issues, opportunities and future directions for Pacific forestry. 	Y	4,500	A roadmap towards a regional framework for REDD in the Pacific agreed.
	<ul style="list-style-type: none"> Supported one staff member to participate in the workshop on the Pacific Regional Approach to REDD+ Readiness, held in Nadi, Fiji 	Y	0	Increased awareness of REDD+ and its contribution to sustainable forest management (SFM)
	<ul style="list-style-type: none"> Supported regional quarantine awareness for the Pacific Games in New Caledonia. 	Y	500	Increased awareness of quarantine issues to travellers
	<ul style="list-style-type: none"> Animal health laboratory capacity building through PRIPPP procurement of laboratory equipment. 	Y	37,900	Increased capacity and competence of lab and lab technicians to undertake diagnostic services
	<ul style="list-style-type: none"> Supported one staff member to attend the regional International Standard for Phytosanitary Measures (ISPM) drafting workshop in Nadi 	Y	4,500	Understood the international standard setting process and contributed to the draft standard
	<ul style="list-style-type: none"> Provided support for attendance of Paravet Institutionalisation meeting in Nadi, Fiji. 	Y	2,254	Identify way forward for institutionalisation of paravet programme in-country
Cook Islands 	<ul style="list-style-type: none"> Support for agrobiodiversity and climate change study 	Y	18,726	Improved understanding of the impact of climate change on local agricultural biodiversity and the benefits of introduced diversity, strengthening food security
	<ul style="list-style-type: none"> Support for evaluating crops and varieties for tolerance to water-logging 	Y	56,053	More information on water-logging tolerance for Cook Islands and the region, helping with climate change adaptation.
	<ul style="list-style-type: none"> Adaptive capacity study 	Y	17,548	An improved understanding of why farmers adopt some crops and varieties and not others which helps when introducing climate tolerant crops and varieties
	<ul style="list-style-type: none"> Virus testing of banana 	Y	531	Facilitates the safe distribution of banana diversity within the Cook Islands and around the region, increasing choices for farmers – important for food and nutritional security
	<ul style="list-style-type: none"> Supported the participation of one staff member at the regional forestry technical meeting held in Nadi, Fiji, to discuss a regional framework for REDD in the Pacific, and emerging issues, opportunities and future directions for Pacific forestry 	Y	4,500	A roadmap towards a regional framework for REDD in the Pacific agreed.
	<ul style="list-style-type: none"> Supported one staff member to participate in the regional training workshop on the preparation of the country reports for the State of the World's Forest Genetic Resources held in Nadi 	Y	4,500	National focal point on forest genetic resources trained to prepare country report on the State of the World's Forest Genetic Resources.

	<ul style="list-style-type: none"> Supported one staff member to participate in the workshop on the Pacific Regional Approach to REDD+ Readiness, held in Nadi, Fiji 	Y	0	Increased awareness of REDD+ and its contribution to SFM.
	<ul style="list-style-type: none"> Support to regional quarantine awareness for the Pacific Games in New Caledonia 	Y	500	Increased awareness of quarantine issues to travellers
	<ul style="list-style-type: none"> Assisted in the identification of dog tick incursion in May 2011 	Y	NA	Ability to certify country freedom from particular tick
	<ul style="list-style-type: none"> Assisted the management of Cuban Laurel thrips incursion 	Y	12,000	Thrips was contained and is under management
	<ul style="list-style-type: none"> Assisted market access of Tahitian lime, Polynesian plum and island cabbage preliminary risk analysis to New Zealand 	Y	10,000	Pest risk analysis conducted by NZ MAF Biosecurity and in progress
	<ul style="list-style-type: none"> Supported one participant to attend the regional Draft international ISPM workshop in Nadi 	Y	4,500	Understood the international standard setting process and contributed to the draft standard
	<ul style="list-style-type: none"> Supported the attendance of one staff member at the capacity strengthening in Plant Protection and Quarantine workshop in Brisbane 	Y	5,000	Strengthen capacity building in plant protection and quarantine issues in the region.
Federated States of Micronesia 	<ul style="list-style-type: none"> Workshop on giant swamp taro diversity and duplication of selected accessions from swamp taro collection at SPC CePaCT 	Y	11,075	Improved knowledge of the diversity that exists in FSM and accessions safely duplicated at the CePaCT
	<ul style="list-style-type: none"> Design and production of posters to highlight both the diversity of swamp taro and the key morphological characters for distinguishing between varieties. 	Y	1,700	Improved knowledge of the diversity that exists in FSM and capacity to recognize different varieties, supporting better use of diversity
	<ul style="list-style-type: none"> Printing of pandanus and banana posters promoting diversity and nutritional security for Island Food Community of Pohnpei 	Y	5,100	Increased awareness on the nutritional benefits of traditional food crops, supporting increased consumption, better health – in line with Food Secure Framework
	<ul style="list-style-type: none"> Support for characterisation of banana diversity and development of pandanus descriptors 	Y	36,525	Improved ability to identify different varieties which helps with the rationalisation of collections (saves resources) and identification of varieties
	<ul style="list-style-type: none"> 26 accessions/1012 plants (cassava and sweet potato) distributed to FSM under FSM Pacific Adaptation Strategy Assistance Programme 	Y	5,060	Provides opportunity to identify diversity that will strengthen food security in varying climatic conditions
	<ul style="list-style-type: none"> Supported the participation of one staff member at the regional forestry technical meeting held in Nadi, Fiji, to discuss a regional framework for REDD in the Pacific, and emerging issues, opportunities and future directions for Pacific forestry 	Y	6,500	A roadmap towards a regional framework for REDD in the Pacific agreed.
	<ul style="list-style-type: none"> Supported one staff member to participate in the workshop on the Pacific Regional Approach to REDD+ Readiness, held in Nadi, Fiji. 	Y	0	Increased awareness of REDD+ and its contribution to SFM.
	<ul style="list-style-type: none"> Support to regional quarantine awareness for the Pacific Games in New Caledonia. 	Y	1,000	Increased awareness of quarantine issues to travellers
	<ul style="list-style-type: none"> Publication of Invasive Species Calendar. 	Y	10,000	Increased awareness of invasive species issues
	<ul style="list-style-type: none"> Conducted final assessment for paravet training in February, 2011 	Y	10,850	Assess competency of trainees
	<ul style="list-style-type: none"> Conducted refresher training in animal disease investigation and surveillance 	Y	2,000	More competent paravets to undertake animal disease surveillance and investigations
	<ul style="list-style-type: none"> Support four officers to attend the SPC USDA APHIS plant protection and quarantine training in Guam 	Y	20,000	Improved knowledge of plant protection, biosecurity security issues
	<ul style="list-style-type: none"> Support one staff member to attend the ISPM drafting workshop in Nadi 	Y	6,500	Understood the international standard setting process and contributed to the draft standard

Federated States of Micronesia . cont.	<ul style="list-style-type: none"> • Technical assistance on biosecurity legislation and regulations 	Y	10,000	Biosecurity legislation is with the national legal office
	<ul style="list-style-type: none"> • Provided support for attendance at paravet institutionalisation meeting in Nadi, Fiji. 	Y	9,948	Identify way forward for in-country institutionalisation of paravet programme
	<ul style="list-style-type: none"> • Developed the Agriculture Strategic Action Plans for Kosrae State 2012-2016 	Y	3,000	Improved planning for a sustainable agriculture development for the State, and aligned to the newly developed FSM Food Security Policy
	<ul style="list-style-type: none"> • Developed the Agriculture Strategic Action Plan for Chuuk State 2012-2016 	Y	3,000	Improved planning for a sustainable agriculture development for the State, and aligned to the newly developed FSM Food Security Policy
	<ul style="list-style-type: none"> • Supported the Regional Invasive Species Council in the development of reports and presentations to the Micronesia Chief Executive Summits in Pohnpei (July) and Kosrae (December) 	Y	3,000	LRD's presence and support strengthened the effort to inform the Chief Executives of invasive species concerns in the North Pacific islands
	<ul style="list-style-type: none"> • Represented SPC LRD and participated in the 3rd FSM Environment Summit 	Y	3,000	SPC's technical assistance towards sustainable environment and resource management was recognized and acknowledged by the Summit
	<ul style="list-style-type: none"> • Co-designed the PASAP project proposal which was awarded USD\$452,000 from the Australian Government for a year implementation 	Y	2,000	Improved understanding of the impacts of climate change on food security. Strengthening of research to encourage a more evidence based recommendation for adaptation measures to climate change
	<ul style="list-style-type: none"> • Coordinated and facilitated the recruitment of PASAP project staff, implementation of PASAP activities, etc. in the four FSM States 	Y	112,627	Improved understanding of the impacts of climate change on food security. Strengthening of research to encourage a more evidence based recommendation for adaptation measures to climate change
Fiji 	<ul style="list-style-type: none"> • Support for capacity building of CePaCT staff (all Fiji-based) studying for master's and laboratory certificates 	Y	22,213	Sustainability of CePaCT strengthened
	<ul style="list-style-type: none"> • Agrobiodiversity and climate change study, Viwa Island 	Y	3,729	Improved understanding of the impact of climate change on local agricultural biodiversity and the benefits of introduced diversity, strengthening food security
	<ul style="list-style-type: none"> • Support for two Fiji-based master's students to attend international symposiums 	Y	9,572	Research in the region strengthened from exposure to international meetings and the opening up of opportunities for collaboration
	<ul style="list-style-type: none"> • Support for establishment of tissue culture facility at Koronivia Research Station 	Y	65,435	Planting material supply system strengthened
	<ul style="list-style-type: none"> • Support for MPI staff to register for PhD 	Y	1,003	Strengthening capacity within MPI
	<ul style="list-style-type: none"> • Field trials for the development of an Agricultural Production Systems Simulator (APSIM) model for cassava (labour costs) 	Y	6,450	Strengthened decision-making with regards to production as model determines impact of climate change on cassava
	<ul style="list-style-type: none"> • Equipment and consumables required for generating the data for the APSIM model for cassava 	Y	7,552	Strengthened decision-making with regards to production as model determines impact of climate change on cassava
	<ul style="list-style-type: none"> • 12 accessions of potato (86 plants) distributed to Sigatoka Research Station to support development of potato production industry 	Y	860	Supportive of self sufficiency in the provision of potato planting material and access to more diversity to manage various diseases
	<ul style="list-style-type: none"> • 10 banana accessions/30 plants distributed to Viwa island for agrobiodiversity and climate change study 	Y	470	Increased diversity to support adaptation to climate change

Fiji . cont.	<ul style="list-style-type: none"> 38 accessions/228 plants (banana, sweet potato and taro) to Vunivicui for climate change adaptation project 	Y	1,140	Increased diversity to support adaptation to climate change
	<ul style="list-style-type: none"> Supported one staff member to attend the Inception Meeting for the AusAID Project Strengthening Capacities in Tree Seed Technologies in Pacific Island Countries, held in Nadi 	Y	1,000	A work plan for the project was agreed
	<ul style="list-style-type: none"> Supported two staff members to participate in the workshop on the Pacific Regional Approach to REDD+ Readiness, held in Nadi, Fiji 	Y	2,000	Increased awareness of REDD+ and its contribution to SFM
	<ul style="list-style-type: none"> Supported the participation of two staff members at the regional forestry technical meeting held in Nadi, Fiji, to discuss a regional framework for REDD in the Pacific, and emerging issues, opportunities and future direction for Pacific forestry 	Y	4,000	A roadmap towards a regional framework for REDD in the Pacific agreed.
	<ul style="list-style-type: none"> Supported one staff member to participate in the regional training workshop on the preparation of the country reports for the State of the World's Forest Genetic Resources 	Y	1,000	National focal point on forest genetic resources trained to prepare country report on the State of the World's Forest Genetic Resources
	<ul style="list-style-type: none"> In collaboration with JICA, provided technical support to the implementation of the Forest Carbon Inventory Project of the Forestry Department of Fiji 	Y	0	Implementation in progress
	<ul style="list-style-type: none"> In collaboration with JICA, provided technical support\ training to the Forestry Department staff of Fiji on data collection and analysis of biomass and carbon estimation 	Y	1,000	Technical staff of the Forestry Dept were given training on biomass and carbon assessment\ estimation.
	<ul style="list-style-type: none"> Supported one staff member of the Forestry Department to participate in a training course on sawmilling technology in New Zealand 	Y	6,000	Improved awareness and understanding of new sawmilling technologies.
	<ul style="list-style-type: none"> Supported the Fiji launching of the International Year of the Forests 2011, organised by the Forestry Department of Fiji 	Y	10,000	National IYF celebration successfully launched
	<ul style="list-style-type: none"> In collaboration with the Forestry Department of Fiji, held a one day tree planting programme at Suva Special School 	Y	200	100 trees were planted by the school staff and students together with SPC staff at the compound of Suva Special School
	<ul style="list-style-type: none"> Supported the production of a training DVD on sandalwood propagation and establishment in Fiji 	Y	5,000	Training DVD completed and distributed to support promotion of sandalwood by the Fiji FD
	<ul style="list-style-type: none"> Support to regional quarantine awareness for the Pacific Games in New Caledonia 	Y	500	Increased awareness of quarantine issues to travellers
	<ul style="list-style-type: none"> Communications support to Fiji Agriculture Show 	Y	2,000	Increased awareness of agriculture issues to the public, schools, farmers etc
	<ul style="list-style-type: none"> Supported nine staff members from Fiji Veterinary Pathology Laboratory to participate in the Food Animal Biosecurity Network Laboratory Quality Assurance workshop held in July 2011. 	Y	4,869	Expose lab technicians to new lab procedures and techniques
	<ul style="list-style-type: none"> Supported eight representatives to participate in the Livestock Climate Change Capacity building training workshop for livestock officers and private sector held in August 2011. 	Y	6,000	Review impacts of, and identify possible climate change adaptation options
	<ul style="list-style-type: none"> Technical assistance provided during the monthly meetings for Fiji brucellosis eradication campaign, May to August 2011 	Y	0	Ensuring other eradication operational options are considered
	<ul style="list-style-type: none"> Assistance provided in case investigation of livestock health problems in various livestock farms - ongoing activity as part of the hands-on training for MPI Paravets. 	Y	0	Establishing mentoring / supervisory framework for animal health workers
	<ul style="list-style-type: none"> Conducted animal disease surveillance training for Ministry of Primary Industries staff in May, 2011 	Y	23,225	Provide framework for animal disease surveillance work for animal health workers

Fiji . cont.	<ul style="list-style-type: none"> Participated in Fiji's Joint Consultation Workshop on the National Climate Change Adaptation Strategy (NCCAS) under the SPC/GIZ CCCPIR Programme 	Y	0	A draft of the National Climate Adaptation Strategy for Fiji was formulated for review and further comments of key stakeholders
	<ul style="list-style-type: none"> Conducted plan to establish animal waste technology, demonstration biogas digesters in sites in Fiji for smallholders pig and poultry farmers in October 2011 	Y	44,327	Establish model animal waste management options for pig farmers
	<ul style="list-style-type: none"> Country Animal Genetic Resources (AnGR) analysis reports on the inventory and characterisation survey conducted on indigenous pigs and chickens for Fiji to be completed in 2011. Final report awaiting pig analysis from International Livestock Research Institute (ILRI) laboratory, Beijing, China including a scientific paper to be published. 	Y	20,000	Identify and establish database of DNA characterisation of regional poultry and pig breeds
	<ul style="list-style-type: none"> Assisted in restarting operation of the Fiji Veterinary Pathology laboratory after several months of renovation. 	Y	12,000	Better preserved samples for more accurate diagnostic analysis.
	<ul style="list-style-type: none"> Improvements to supply chain of private sector exporters (including Origins Pacific Ltd, Agrana Fruit (Fiji) Ltd, Balthan (Western) Ltd, Kaiming Agro Ltd and Natures Way Cooperative. 	Y	189,000	Exporters better able to meet international markets standards; new products and markets developed
	<ul style="list-style-type: none"> Development of clean ginger seed farms in collaboration with private sector partners and Fiji Ministry of Primary Industries in Viti Levu and Vanua Levu 	Y	9,700	Ginger seed farms expected to provide 25 tonnes of clean ginger rhizome planting materials
	<ul style="list-style-type: none"> Technical inputs into development and implementation of Fiji Governments Value added Coconut Product plans and programmes 	Y	1,600	Improved coconut R&D and training facilities under development
	<ul style="list-style-type: none"> Support three staff members to attend the ISPM drafting workshop in Nadi 	Y	1,500	Understood the international standard setting process and contributed to the draft standard
	<ul style="list-style-type: none"> Support and provide technical assistance for termite incursion and containment programme 	Y	25,000	Equipment and material provided for containment of termite
	<ul style="list-style-type: none"> Support and facilitate Tuvalu – Rotuma trade 	Y	1,500	Trade commenced. Root crops are now being exported from Rotuma
	<ul style="list-style-type: none"> Provide advice on fresh taro rejections 	Y	1,000	Technical consultation provided
	<ul style="list-style-type: none"> Provide technical advice on fruit fly surveillance 	Y	1,000	Information provided on fruit fly surveillance
	<ul style="list-style-type: none"> Provide training on biosecurity information facility 	Y	2,500	Information provided and development in progress
	<ul style="list-style-type: none"> Assistance to market access of Tahitian lime, Polynesian plum and island cabbage preliminary risk analysis to New Zealand 		5,500	Pest risk analysis conducted by NZ MAF Biosecurity and in progress.
	<ul style="list-style-type: none"> Develop cleaner export pathways for fresh taro – ACIAR 	Y	10,000	Purchase of crates and materials, staff travel to Taveuni
	<ul style="list-style-type: none"> Undertook pilot animal disease surveillance and field investigation training 	Y	23,225	Animal health workers able to confidently undertake sampling in livestock populations
	<ul style="list-style-type: none"> Procurement and handing over of equipment and materials for Fiji Vet Pathology Laboratory 	Y	260,000	More competent lab and lab technicians to undertake diagnostic services/ procedures
	<ul style="list-style-type: none"> Handing over of animal health ER equipment, disease investigation equipment and Emergency Response Plan (ERP) Operational Centre equipment 	Y	40,000	Better equipped and more competent animal health workers and biosecurity officers for ERP responses
	<ul style="list-style-type: none"> Provided technical advice for their iguana eradication programme, and Brucellosis and Tuberculosis Eradication (BTEC) Programme 	Y	0	More through consideration of eradication options
	<ul style="list-style-type: none"> Provide support for attendance of paravet institutionalisation meeting in Nadi, Fiji 	Y	76,000	Identify way forward for in-country institutionalisation of paravet programme


Fiji . cont.	<ul style="list-style-type: none"> Completed plant health pest and disease survey of the Yasawa Islands and Vanua Levu in 2011 	Y	25,000	PLD was updated and hands on training of Ministry staff in identifying plant disorders caused by insects and diseases, and familiarising records of exotic weeds
	<ul style="list-style-type: none"> Assisted authentication of causal agent of papaya disease in Dawasamu and Volivoli which cleared doubt of crown rot disease, export of Fiji papaya not affected 	N	27,000	Papaya exports from Fiji not affected from false reporting
	<ul style="list-style-type: none"> Reported first record of chilli pod rot in Fiji and successfully completed delimiting survey on both Viti Levu and Vanua Levu in 2011 	N	15,000	First record paper presented at the Australasian Plant Pathology Society (APPS) conference at Darwin in April 2011. MPI staff further trained in survey techniques, isolation of causal pathogen in delimiting survey. Next plan of action for varietal screening and fungicide efficacy studies with ministry staff.
	<ul style="list-style-type: none"> Assisted Fiji research and BAF staff survey and confirm bacterial wilt infestation of seed potato tubers imported from New Zealand, recommend for proper Import Risk Analysis (IRA) before importation of potato seeds in 2011 	N	500	Import tropical cultivars and use cultivars in CePaCT for proper screening for yield and bacterial wilt resistance. Assist with IRA for new introduction.
	<ul style="list-style-type: none"> Successful completion of Integrated Pest Management (IPM) and conventional farmer management of brassica pests project in Fiji. Farmer field schools and training of trainers programme, highly appreciative. 	N	5,000	Technologies developed in this project will be used in new ACIAR IPM/ICM project that will end after five years.
	<ul style="list-style-type: none"> Technical support to Fiji papaya project 	N	0	Technical Advisory Board met quarterly.
	<ul style="list-style-type: none"> Technical advice and diagnostics of tobacco seedling disorder for British American Tobacco (BATS) based in Nadi. 	N	5,000	Cost of diagnostics will be borne by BATS
	<ul style="list-style-type: none"> Facilitated attendance of one BAF staff at the recent Australasian Plant Pathology Society conference and exotic diseases of Musa Species. workshop in Darwin in 2011 	N	0	Part of capacity building in Biosecurity Authority of Fiji
	<ul style="list-style-type: none"> Successful establishment of <i>Mikania micrantha</i> biological control on Viti Levu and Vanua Levu 	N	1,000	Staff trained in biological control techniques
	<ul style="list-style-type: none"> Supported two staff members from Ministry of Primary Industries to attend the Integrated Pest Management (IPM) / Integrated Crop Management (ICM) initial meeting in Brisbane 	Y	5,000	Discussion on new ACIAR IPM ICM project
French Polynesia	<ul style="list-style-type: none"> Virus testing of taro and banana 	Y	3,540	Provided information on viruses present in their crops which will assist with safe distribution
	<ul style="list-style-type: none"> Collaborated with the Ministry of Agriculture, Livestock and Forests in the development of a MOU to support the establishment of a regional field genebank for Pacific bananas 	Y	0	Increased information on Pacific bananas leading to greater use
	<ul style="list-style-type: none"> Supported the participation of one staff member at the regional forestry technical meeting held in Nadi, Fiji, to discuss a regional framework for REDD in the Pacific, and emerging issues, opportunities and future directions for Pacific forestry 	Y	5,500	A roadmap towards a regional framework for REDD in the Pacific agreed.
	<ul style="list-style-type: none"> Supported one staff member to participate in the workshop on the Pacific Regional Approach to REDD+ Readiness, held in Nadi, Fiji 	Y	0	Increased awareness of REDD+ and its contribution to SFM
	<ul style="list-style-type: none"> Support to regional quarantine awareness for the Pacific Games in New Caledonia 	Y	5,500	Increased awareness of quarantine issues to travellers
	<ul style="list-style-type: none"> Support POETCom representative to Pacific Forum Leaders Meeting in New Zealand 	Y	2,000	Organics promoted to Pacific Forum Leaders
	<ul style="list-style-type: none"> Animal health laboratory capacity building through PRIPPP procurement and delivery of animal health diagnostic laboratory equipment 	Y	37,905	More competent lab and lab technicians undertake diagnostic services/procedures

French Polynesia 	Management of rhino beetle – pheromone traps advice	Y	800	Pheromones samples sent
	<ul style="list-style-type: none"> Support development of BIF by engaging local consultant 	Y	2,960	Consultant engaged
	<ul style="list-style-type: none"> Support attendance of one officer for the ISPM drafting workshop in Nadi 	Y	5,500	Understood the international standard setting process and contributed to the draft standard
Guam 	<ul style="list-style-type: none"> Supported the participation of one staff member at the regional forestry technical meeting held in Nadi, Fiji, to discuss a regional framework for REDD in the Pacific, and emerging issues, opportunities and future directions for Pacific forestry. 	Y	5,400	A roadmap towards a regional framework for REDD in the Pacific agreed.
	<ul style="list-style-type: none"> Supported one staff member to participate in the workshop on the Pacific Regional Approach to REDD+ Readiness, held in Nadi, Fiji 	Y	0	Increased awareness of REDD+ and its contribution to SFM
	<ul style="list-style-type: none"> Support to regional quarantine awareness for the Pacific Games in New Caledonia 	Y	1,000	Increased awareness of quarantine issues to travellers
	<ul style="list-style-type: none"> Supported five officers from University of Guam and Guam Animal Health to participate in the PAHLNet Subregional Animal health laboratory workshop for North Pacific held in the University of Guam. 	Y	45,000	Increased linkages with human health lab counterparts
	<ul style="list-style-type: none"> Support the attendance of four quarantine/ inspection officers at the subregional SPC-USDA APHIS plant protection and quarantine training in the University of Guam. 	Y	3,000	WTO SPC requirements are understood and applied
	<ul style="list-style-type: none"> Discussions on support for Micronesian Biosecurity Plan 	Y	3,000	Meeting held to support the Micronesian Biosecurity plan
	<ul style="list-style-type: none"> Support PPPO chairman to attend the 6th session of the Commission on Phytosanitary Measures (CPM 6) in Rome 	Y	8,000	Represented PPPO at the Technical consultation
	<ul style="list-style-type: none"> Support attendance of one officer for the ISPM drafting workshop in Nadi 	Y	5,400	Understood the international standard setting process and contributed to the draft standard.
	<ul style="list-style-type: none"> Handing over of animal health lab diagnostic equipment and materials to University of Guam. 	Y	220,000	More competent lab and lab technicians to undertake diagnostic services/ procedures
	<ul style="list-style-type: none"> Assisted the Micronesian Regional Invasive Species Council in reviewing and developing their Strategic Action Plan 2012-2016 	Y	3,000	More realistic and feasible SAP that can be achieved for the region
	<ul style="list-style-type: none"> Developed the Agriculture Strategic Action Plan 2012-2016 	Y	3,000	Improved coordination of agriculture development efforts
Kiribati 	<ul style="list-style-type: none"> Adaptive capacity study 	Y	17,548	An improved understanding of why farmers adopt some crops and varieties and not others which helps when introducing climate tolerant crops and varieties
	<ul style="list-style-type: none"> Virus testing of swamp taro 	Y	1,416	Provided information on viruses in this important atoll crop; enabled safe distribution of these accessions for evaluation in other atoll countries and low-lying areas
	<ul style="list-style-type: none"> Supported one staff member to attend the regional training workshop on the preparation of the country reports for the State of the World's Forest Genetic Resources 	Y	5,500	National focal point on forest genetic resources trained to prepare country report on the State of the World's Forest Genetic Resources
	<ul style="list-style-type: none"> Supported the participation of one staff member at the regional forestry technical meeting held in Nadi, Fiji, to discuss a regional framework for REDD in the Pacific, and emerging issues, opportunities and future directions for Pacific forestry 	Y	5,500	A roadmap towards a regional framework for REDD in the Pacific agreed.

Kiribati ..cont	<ul style="list-style-type: none"> Supported one staff member to participate in the workshop on the Pacific Regional Approach to REDD+ Readiness, held in Nadi, Fiji 	Y	0	Increased awareness of REDD+ and its contribution to SFM
	<ul style="list-style-type: none"> Support to regional quarantine awareness for the Pacific Games in New Caledonia 	Y	500	Increased awareness of quarantine issues to travellers
	<ul style="list-style-type: none"> Assisted in import risk analysis for importation of livestock products from USA – <i>ongoing</i> 	Y	NA	Safer livestock products imported into country
	<ul style="list-style-type: none"> Assisted in the sub-regional climate change adaptation planning workshop for Kiribati, Nauru and Tuvalu held at Tarawa, June 30, July 01 and 04 2011 with funding from GIZ. 	Y	8,559	Supported subregional countries in identifying climate change adaptation strategies and options for countries and implementation
	<ul style="list-style-type: none"> Supply of pheromone traps and training provided to Quarantine on trapping for rhinoceros beetles 	Y	23,800	Pheromones supplied
	<ul style="list-style-type: none"> Support attendance of one officer for the ISPM drafting workshop in Nadi 	Y	5,500	Understood the international standard setting process and contributed to the draft standard.
	<ul style="list-style-type: none"> Provide training for 19 quarantine, research and extension officers on quarantine inspection systems, invasive species, plant and animal pests and diseases, imports and export regulatory systems 	Y	25,000	Training completed. 22 officers including 19 from Kiribati attended.
	<ul style="list-style-type: none"> Provided technical advice on coconut pests 	N	2,500	Pest specimens collected and identified
	<ul style="list-style-type: none"> Provided computer and software for the biosecurity information facility 	Y	3,200	Equipment provided and templates for database established
	<ul style="list-style-type: none"> Provided training on biosecurity information facility and the plant pest list database 	Y	6,600	Training conducted
	<ul style="list-style-type: none"> Technical assistance on the biosecurity legislation 	Y	15,000	Biosecurity legislation passed by Parliament in August 2011
	<ul style="list-style-type: none"> Completed plant health survey on Butaritari and Tarawa Islands, authenticated records updated in Pest List Database 	Y	22,000	Ministry staff trained to recognise disorder caused by insects and plant pathogens
	<ul style="list-style-type: none"> Technical assistance on breadfruit disease control 	Y	0	Develop project to screen varieties for tolerance to fruit rot disease
Mariana Islands 	<ul style="list-style-type: none"> Support to regional quarantine awareness for the Pacific Games in New Caledonia 	Y	1,000	Increased awareness of quarantine issues to travellers
	<ul style="list-style-type: none"> Coordinated chicken death investigation in July/August 2011 	Y	0	A more thorough procedure for animal disease investigation established
	<ul style="list-style-type: none"> Supported one animal health officer to participate in the PAHLNet sub-regional animal health laboratory workshop for North Pacific held in Guam. 	Y	4,000	Increased linkages with human health lab counterparts
	<ul style="list-style-type: none"> Support the attendance of four quarantine/ inspection officers at the subregional SPC-USDA APHIS plant protection and quarantine training in the University of Guam. 	Y	4,500	WTO SPC requirements are understood and applied
Marshall Islands 	<ul style="list-style-type: none"> Breadfruit diversity and nutritional information posters 	Y	2,223	Increased awareness on the nutritional benefits of traditional food crops, supporting increased consumption, and therefore better health – in line with Food Secure Framework
	<ul style="list-style-type: none"> Supported the participation of one staff member at the regional forestry technical meeting held in Nadi, Fiji, to discuss a regional framework for REDD in the Pacific, and emerging issues, opportunities and future directions for Pacific forestry 	Y	6,600	A roadmap towards a regional framework for REDD in the Pacific agreed.
	<ul style="list-style-type: none"> Supported one staff to participate in the workshop on the Pacific Regional Approach to REDD+ Readiness, held in Nadi, Fiji 	Y	0	Increased awareness of REDD+ and its contribution to SFM
	<ul style="list-style-type: none"> Supported one staff member to attend the regional training workshop on the preparation of the country reports for the State of the World's Forest Genetic Resources 	Y	6,600	National focal point on forest genetic resources trained to prepare country report on the State of the World's Forest Genetic Resources

Marshall Islands.. cont.	<ul style="list-style-type: none"> Support to regional quarantine awareness for the Pacific Games in New Caledonia 	Y	1,000	Increased awareness of quarantine issues to travellers
	<ul style="list-style-type: none"> Coordination of laboratory results for local poultry die offs 	Y	0	Lab results pending
	<ul style="list-style-type: none"> Planned animal disease survey 	Y	0	Planning phase for further collaboration
	<ul style="list-style-type: none"> Planning for second launching of Paravet training for 2011 	Y	0	Planning phase for further collaboration
	<ul style="list-style-type: none"> Supported one animal health officer to attend the PAHL-Net subregional animal health laboratory workshop for North Pacific held in Guam 	Y	4,000	Increased linkages with human health lab counterparts
	<ul style="list-style-type: none"> Provided one staff member to give technical advice of improvement of quality of copra for Tobolar mill and coconut replanting 	Y	4,000	Visit made and report compiled. Market access document compiled and in progress
	<ul style="list-style-type: none"> Support the attendance of two quarantine/ inspection officers at the subregional SPC-USDA APHIS plant protection and quarantine training in the University of Guam 	Y	4,525	WTO SPC requirements are understood and applied
	<ul style="list-style-type: none"> Provided biosecurity information facility (BIF) training to three quarantine officers 	Y	8,015	Officers trained on maintaining electronic biosecurity information
	<ul style="list-style-type: none"> Provision of desktop computer Marshall Quarantine Office for the Bio-security Information Facility (BIF) 	Y	2,910	Technical support provided through provision of template
	<ul style="list-style-type: none"> Support attendance of one officer for the ISPM drafting workshop in Nadi 	Y	6,600	Understood the international standard setting process and contributed to the draft standard
	<ul style="list-style-type: none"> Plant health survey on Long Island and three islands from the Arno group completed in 2011 	Y	16,000	Major pests (coconut scale, mealy bugs and anthracnose disease) and weeds (<i>Bidens sp.</i> , <i>Meremia sp.</i> and <i>Wedelia sp.</i>) identified. Hands on experience by local ministry staff in recognition of disorders caused by insect pests and diseases
	<ul style="list-style-type: none"> Provide technical advice on management of plant disorders 	Y	0	Technical support provided
	<ul style="list-style-type: none"> Provided technical assistance to UNDP GEF Sustainable Land Management (SLM) Project, validation of the National Action Plan (NAP) and gender assessment as monitoring and evaluation tool. 	Y	0	Improved collaboration between UNDP GEF and SPC LRD. The revitalized SLM Project was given another year extension for its activities
Nauru 	<ul style="list-style-type: none"> Supported the participation of one staff member at the regional forestry technical meeting held in Nadi, Fiji, to discuss a regional framework for REDD in the Pacific, and emerging issues, opportunities and future directions for Pacific forestry 	Y	4,400	A roadmap towards a regional framework for REDD in the Pacific agreed.
	<ul style="list-style-type: none"> Supported one staff member to participate in the workshop on the Pacific Regional Approach to REDD+ Readiness, held in Nadi, Fiji 	Y	0	Increased awareness of REDD+ and its contribution to SFM
	<ul style="list-style-type: none"> Support to regional quarantine awareness for the Pacific Games in New Caledonia 	Y	500	Increased awareness of quarantine issues to travellers
	<ul style="list-style-type: none"> Conduct paravet training for Nauru officials 	Y	15,780	More competent animal health workers
New Caledonia 	<ul style="list-style-type: none"> Analysis of unique banana diversity in New Caledonia to facilitate establishment of the regional banana collection 	Y	9,416	Better understanding of the diversity will help with identifying varieties for use and inclusion in the Pacific banana collection
	<ul style="list-style-type: none"> Virus testing of banana 	Y	266	Facilitates the safe distribution of banana diversity within the country and around the region, increasing choices for farmers – important for food and nutritional security

New Caledonia ...cont	<ul style="list-style-type: none"> Supported the participation of one staff member at the regional forestry technical meeting held in Nadi, Fiji, to discuss a regional framework for REDD in the Pacific, and emerging issues, opportunities and future directions for Pacific forestry 	Y	3,000	A roadmap towards a regional framework for REDD in the Pacific agreed.
	<ul style="list-style-type: none"> Supported one staff member to participate in the workshop on the Pacific Regional Approach to REDD+ Readiness, held in Nadi, Fiji 	Y	0	Increased awareness of REDD+ and its contribution to SFM
	<ul style="list-style-type: none"> Support to regional quarantine awareness for the Pacific Games in New Caledonia 	Y	1,000	Increased awareness of quarantine issues to travellers
	<ul style="list-style-type: none"> Supported the attendance of one officer for the ISPM drafting workshop in Nadi 	Y	3,000	Understood the international standard setting process and contributed to the draft standard.
Niue 	<ul style="list-style-type: none"> Supported the participation of one staff member at the regional forestry technical meeting held in Nadi, Fiji, to discuss a regional framework for REDD in the Pacific, and emerging issues, opportunities and future directions for Pacific forestry 	Y	6,600	A roadmap towards a regional framework for REDD in the Pacific agreed.
	<ul style="list-style-type: none"> Supported the formulation of the Forest Management Plan of Niue 	Y	6,600	A Forest Management Plan drafted and submitted to government for approval
	<ul style="list-style-type: none"> Supported one staff member to attend the regional training workshop on the preparation of the country reports for the State of the World's Forest Genetic Resources 	Y	6,600	National focal point on forest genetic resources trained to prepare country report on the State of the World's Forest Genetic Resources
	<ul style="list-style-type: none"> Supported one staff member to participate in the workshop on the Pacific Regional Approach to REDD+ Readiness, held in Nadi, Fiji 	Y	0	Increased awareness of REDD+ and its contribution to SFM
	<ul style="list-style-type: none"> Support to regional quarantine awareness for the Pacific Games in New Caledonia 	Y	500	Increased awareness of quarantine issues to travellers
	<ul style="list-style-type: none"> Supported POETCom representative to Pacific Forum Leaders Meeting in New Zealand 	Y	2,000	Organics promoted to Pacific Forum Leaders
	<ul style="list-style-type: none"> Country Animal Genetic Resources (AnGR) analysis reports on the inventory and characterisation survey conducted on indigenous pigs and chickens for Niue to be completed in 2011. Final report awaiting pig analysis from International Livestock Research Institute (ILRI) laboratory, Beijing, China including a scientific paper to be published. 	Y	15,000	Identify, and establish DNA characterisation database for Poultry and pig breeds in the region
	<ul style="list-style-type: none"> Provided one staff member to technically advise on potential to develop agricultural and forestry exports (including vanilla, noni, honey, dalo and sandalwood), including a feasibility and work plan to initiate a sandalwood plantation industry 	Y	10,000	Niue DAFF better informed of export market opportunities
	<ul style="list-style-type: none"> Support attendance of one officer for the ISPM drafting workshop in Nadi 	Y	6,600	Understood the international standard setting process and contributed to the draft standard.
	<ul style="list-style-type: none"> Provided desktop computer and software for biosecurity information facility database 	Y	3,200	One officer travelled and provided on the ground training and support
	<ul style="list-style-type: none"> Technical assistance for market access for plantain to New Zealand and vanilla curing process 	Y	6,600	Pest risk analysis by NZ MAF Biosecurity in progress
	<ul style="list-style-type: none"> Provide technical advice on the management of anthracnose on yams (<i>Dioscorea alata</i>). 	Y	0	Propose to evaluate and screen yam varieties for anthracnose tolerance
	<ul style="list-style-type: none"> Provide technical advice on the management of velvet leaf chlodendron 	Y	0	Recommended physical rouging and burning

Palau 	<ul style="list-style-type: none"> Support for agrobiodiversity and climate change study 	Y	13,857	Improved understanding of the impact of climate change on local agricultural biodiversity and the benefits of introduced diversity, strengthening food security
	<ul style="list-style-type: none"> Support for evaluation of a range of crops and varieties for tolerance to water logging and salinity tolerance 	Y	56,604	Activity just started. More information on water-logging and salinity tolerance for Palau and the region, helping with climate change adaptation
	<ul style="list-style-type: none"> Support for adaptive capacity study 	Y	17,548	An improved understanding of why farmers adopt some crops and varieties and not others which helps when introducing climate tolerant crops and varieties
	<ul style="list-style-type: none"> Supported the participation of one staff member at the regional forestry technical meeting held in Nadi, Fiji, to discuss a regional framework for REDD in the Pacific, and emerging issues, opportunities and future directions for Pacific forestry 	Y	6,600	A roadmap towards a regional framework for REDD in the Pacific agreed.
	<ul style="list-style-type: none"> Supported one staff member to participate in the workshop on the Pacific Regional Approach to REDD+ Readiness, held in Nadi, Fiji 	Y	0	Increased awareness of REDD+ and its contribution to SFM
	<ul style="list-style-type: none"> Support to regional quarantine awareness for the Pacific Games in New Caledonia 	Y	1,000	Increased awareness of quarantine issues to travellers
	<ul style="list-style-type: none"> Planned paravet training and animal disease survey in 2011 	Y	0	Planning on going for implementation in 2012
	<ul style="list-style-type: none"> Supported one Animal health laboratory staff to attend the PAHLNet Subregional animal health laboratory workshop for North Pacific held in Guam. 	Y	4,000	Increased linkages with human health lab counterparts
	<ul style="list-style-type: none"> Provided desktop computer and software for biosecurity information facility database 	Y	3,200	Technical support provided through provision of template
	<ul style="list-style-type: none"> Support attendance of two officers to SPC USDA APHIS plant protection and quarantine training held at the University of Guam 	Y	10,000	Improved knowledge of plant protection, biosecurity security issues
	<ul style="list-style-type: none"> Assisted the SPREP PACC team and presented the Palau component in the Micronesia Chief Executives Summit 	Y	0	Improved knowledge of the impacts of climate change on food security
Papua New Guinea 	<ul style="list-style-type: none"> Distribution of 226 taro accessions (1210 plants) for International Edible Aroids Network INEA project, drought evaluation and repatriation 	Y	6,050	Improved food security through access to taro diversity globally; increased information as to which taro varieties are drought tolerant
	<ul style="list-style-type: none"> Supported one staff member to attend the inception meeting for the AusAID Project Strengthening Capacities in Tree Seed Technologies in Pacific Island Countries 	Y	3,980	A work plan for the project was agreed
	<ul style="list-style-type: none"> Supported the participation of two staff members at the regional forestry technical meeting held in Nadi, Fiji, to discuss a regional framework for REDD in the Pacific, and emerging issues, opportunities and future direction for Pacific forestry 	Y	7,000	A roadmap towards a regional framework for REDD in the Pacific agreed.
	<ul style="list-style-type: none"> Supported two staff members to participate in the workshop on the Pacific Regional Approach to REDD+ Readiness, held in Nadi, Fiji 	Y	0	Increased awareness of REDD+ and its contribution to SFM
	<ul style="list-style-type: none"> Supported one staff member to attend the regional training workshop on the preparation of the country reports for the State of the World's Forest Genetic Resources 	Y	3,980	National focal point on forest genetic resources trained to prepare country report on the State of the World's Forest Genetic Resources

Papua New Guinea ..cont	<ul style="list-style-type: none"> In collaboration with GIZ-BMU, organised and held a national planning meeting on the implementation of the project Climate Protection Through Forest Conservation in the Pacific Island Countries 	Y	4,500	National priorities for project support identified
	<ul style="list-style-type: none"> FACT coffee enterprise certification training provided (Fair Trade, Organic, UTZ and Rainforest Alliance). 	N	10,000	Three enterprises assisted to obtain certification with increased value of exports and returns to suppliers
	<ul style="list-style-type: none"> Evaluation of the costs and benefits of product certification for small holder coffee farmers carried out (Rainforest Alliance, UTZ and Fair Trade) 	N	10,000	CBA evaluations in progress
	<ul style="list-style-type: none"> Support to regional quarantine awareness for the Pacific Games in New Caledonia 	Y	500	Increased awareness of quarantine issues to travellers
	<ul style="list-style-type: none"> Supported organic products to POETCom display to Pacific Forum Leaders meeting in New Zealand 	Y	500	Pacific Forum Leaders endorsed Pacific organics
	<ul style="list-style-type: none"> Publication of pest management extension materials 	Y	1,000	Increased awareness of pest management extension
	<ul style="list-style-type: none"> Supported one Animal health laboratory staff to participate in the Food Animal Biosecurity Network Laboratory Quality Assurance Workshop. 	Y	4,000	More competent lab technicians to undertake new lab procedures
	<ul style="list-style-type: none"> Improvements to supply chain of private sector exporters (including Amruqa, PNG Balsa, Earth and Spirit Products, Monpi Sustainable Services and Mainland Holdings). 	Y	157,000	Increased value of exports; new products and markets for the five partner enterprises.
	<ul style="list-style-type: none"> Support attendance of one participant for the Draft ISPM workshop and capacity strengthening in Plant Protection and Quarantine workshop 	Y	8,000	Understood the international standard setting process and contributed to the draft standard.
	<ul style="list-style-type: none"> Provided two Paravet training sessions for PNG livestock officers(SPC/Vudal University) 	Y	3,500	More competent animal health workers
	<ul style="list-style-type: none"> Provided support for attendance of 3 participants at the Paravet Institutionalisation Meeting in Nadi, Fiji 	Y	26,200	Establish way forward for in country institutionalisation of paravet training programme
	<ul style="list-style-type: none"> Completed plant health survey on Bougainville (2010), LNG route from Morobe – Tari (2011) and authenticated records were updated in Pest List Database 	N	70,000	Most of the costs was for Identification (ID) at CABI
	<ul style="list-style-type: none"> Assisted diagnostics of causal agent of coconut wilt in Madang province 	N	15,000	Diagnostics assistance provided
Pitcairn Islands 	<ul style="list-style-type: none"> Provide technical assistance on general biosecurity and biosecurity banner 	Y	2,500	Increase awareness on general biosecurity
	<ul style="list-style-type: none"> Introduced biological control agent for fruit fly pests from French Polynesia 	Y	10,000	Fruit fly parasites introduced and released
Samoa 	<ul style="list-style-type: none"> Support for USP tissue culture laboratory which duplicates the CePaCT collection as a security back-up for the region. 	Y	25,045	Improved security for regional collection of crop diversity
	<ul style="list-style-type: none"> Support for adaptive capacity study 	Y	17,548	An improved understanding of why farmers adopt some crops and varieties and not others which helps when introducing climate tolerant crops and varieties
	<ul style="list-style-type: none"> Agrobiodiversity and climate change study 	Y	19,850	Improved understanding of the impact of climate change on local agricultural biodiversity and the benefits of introduced diversity, strengthening food security
	<ul style="list-style-type: none"> Support for collecting aroids for evaluation and input into regional climate ready collection 	Y	18,907	Increased diversity more easily accessible for Samoan farmers; more information available on the performance of the aroids; increased aroid diversity available for the region to support climate change adaptation

Samoa ...cont	<ul style="list-style-type: none"> Support for Taro Improvement Programme coordinator to visit Vanuatu and make selections of varieties for input into drought tolerance breeding programme 	Y	9,415	Increased diversity for breeding drought tolerant taro which will help with adaptation to climate change.
	<ul style="list-style-type: none"> Virus testing of taro breeding lines, swamp taro, Xanthosoma, Alocasia and banana 	Y	4,071	Facilitates the safe distribution of crop diversity within Samoa and around the region, increasing choices for farmers– important for food and nutritional security
	<ul style="list-style-type: none"> Supported the participation of one staff member at the regional forestry technical meeting held in Nadi, Fiji, to discuss a regional framework for REDD in the Pacific, and emerging issues, opportunities and future direction for Pacific forestry 	Y	3,000	A roadmap towards a regional framework for REDD in the Pacific agreed.
	<ul style="list-style-type: none"> Supported one staff member to attend the Inception Meeting for the AusAID Project “Strengthening Capacities in Tree Seed Technologies in the Pacific Island Countries” 	Y	3,000	A work plan for the project was agreed
	<ul style="list-style-type: none"> Supported one staff member to participate in the Regional Training Workshop on the Preparation of the Country Reports for the State of the World’s Forest Genetic Resources 	Y	3,000	National focal point on forest genetic resources trained to prepare country report on the State of the World’s Forest Genetic Resources
	<ul style="list-style-type: none"> Provided technical assistance and advice to the implementation of the GEF funded project “ Integrating Climate Change Risk Resilience to Forestry in Samoa (ICCRIFS) 	Y	3,000	Technical assistance provided to the implementation of project
	<ul style="list-style-type: none"> Supported one staff member to participate in the workshop on the Pacific Regional Approach to REDD+ Readiness, held in Nadi, Fiji 	Y	0	Increased awareness of REDD+ and its contribution to SFM
	<ul style="list-style-type: none"> Agricultural domestic market studies capacity building training provided 	N	2,500	Increased awareness of agricultural domestic market studies
	<ul style="list-style-type: none"> Support to regional quarantine awareness for the Pacific Games in New Caledonia 	Y	1,000	Increased awareness of quarantine issues to travellers
	<ul style="list-style-type: none"> Publication of quarantine awareness materials 	Y	1,000	Increased awareness of quarantine issues
	<ul style="list-style-type: none"> Supported Samoa Women in Business representative to POETCom activities for Pacific Forum Leaders Meeting in New Zealand 	Y	6,000	Pacific Forum Leaders endorsed Pacific organics
	<ul style="list-style-type: none"> Country Animal Genetic Resources (AnGR) analysis reports on the Inventory and Characterisation survey conducted on indigenous pigs and chickens for Samoa to be completed 2011. Final report awaiting pig analysis from International Livestock Research Institute (ILRI) laboratory, Beijing, China including a scientific paper to be published. 	Y	20,000	Identify and establish database of DNA characterisation of regional poultry and pig breeds
	<ul style="list-style-type: none"> Improvements to supply chain of private sector exporters (including TH Plantations). 	Y	2,000	Improved production efficiency and standards and progress towards HACCP certification for TH Plantations
	<ul style="list-style-type: none"> Assistance to market access of Tahitian lime, Polynesian plum and island cabbage preliminary risk analysis to New Zealand. 	Y	5,500	Pest risk analysis conducted by NZ MAF Biosecurity and in progress.
	<ul style="list-style-type: none"> Management of rhinoceros beetle 	Y	1,500	Pheromone traps provided
	<ul style="list-style-type: none"> Supported one staff member to attend the regional Draft international ISPM workshop in Nadi 	Y	3,000	Understood the international standard setting process and contributed to the draft standard.
	<ul style="list-style-type: none"> Assistance on the Biosecurity bill 	Y	5,500	Encourage progress of bill
	<ul style="list-style-type: none"> Provide assistance on the biosecurity information facility 	Y	0	Technical support provided through provision of template
	<ul style="list-style-type: none"> In country workshop on cleaner export pathways for fresh taro to develop ACIAR project activity workplan 	Y	6,000	Workshop conducted and work plan developed

Samoa ...cont	<ul style="list-style-type: none"> • Provided support for attendance of Paravet Institutionalisation meeting in Nadi, Fiji 	Y	1,365	Establish way forward for in country institutionalisation of paravet training programme
	<ul style="list-style-type: none"> • Undertook Pilot Animal Disease Surveillance and Field Investigation training 	Y	2,500	Livestock officers able to undertake statistically valid field sampling work
	<ul style="list-style-type: none"> • Assisted with DMV diagnostics of Taro plants, from tissue cultured plants from screen house 	Y	12,000	Assistance provided to the diagnostics
	<ul style="list-style-type: none"> • Support attendance of two participants at the FAO TCP project on pesticide managements in New Zealand and Canberra. 	Y	5,400	TCP & MOU in the process of finalisation with countries and FAO
Solomon Islands 	<ul style="list-style-type: none"> • Printing and distribution of banana posters 	Y	770	Increased awareness on the nutritional benefits of traditional food crops, supporting increased consumption, and therefore better health – in line with Food Secure Frame work
	<ul style="list-style-type: none"> • Support for banana collecting and conservation to promote nutritional benefits of traditional bananas 	Y	9,865	Increased banana diversity to help with raising awareness on the nutritional benefits of traditional food crops– in line with Food Secure Frame work
	<ul style="list-style-type: none"> • Provided materials to support nutritional security workshops promoting use of local food crops, in particular bananas 	Y	500	Improved awareness on the benefits from increased consumption of locally produced traditional food crops
	<ul style="list-style-type: none"> • Support for adaptive capacity study 	Y	17,548	An improved understanding of why farmers adopt some crops and varieties and not others which helps when introducing climate tolerant crops and varieties
	<ul style="list-style-type: none"> • Distribution of 32 accessions of cassava, swamp taro and taro (196 plants) for evaluation 	Y	980	Strengthened crop diversity to support climate change adaptation and food security
	<ul style="list-style-type: none"> • Support for characterisation of banana collection 	Y	8,850	Better understanding of the banana diversity which will help with identifying best varieties for farmers and implementing cost-effective rationalization of collection
	<ul style="list-style-type: none"> • Supported the participation of two staff members at the regional forestry technical meeting held in Nadi, Fiji, to discuss a regional framework for REDD in the Pacific, and emerging issues, opportunities and future direction for Pacific forestry 	Y	7,000	A roadmap towards a regional framework for REDD in the Pacific agreed.
	<ul style="list-style-type: none"> • Supported two staff members to participate in the workshop on the Pacific Regional Approach to REDD+ Readiness, held in Nadi, Fiji 	Y	0	Increased awareness of REDD+ and its contribution to SFM
	<ul style="list-style-type: none"> • Supported one staff member to attend the Inception Meeting for the AusAID Project “Strengthening Capacities in Tree Seed Technologies in the Pacific Island Countries 	Y	3,980	A work plan for the project was agreed
	<ul style="list-style-type: none"> • Supported one staff member to participate in the Regional Training Workshop on the Preparation of the Country Reports for the State of the World’s Forest Genetic Resources 	Y	3,980	National focal point on forest genetic resources trained to prepare country report on the State of the World’s Forest Genetic Resources
	<ul style="list-style-type: none"> • In collaboration with GIZ-BMU, organised and held a national planning meeting on the implementation of the project Climate Protection Through Forest Conservation in the Pacific Island Countries 	Y	3,400	National priorities for project support identified
	<ul style="list-style-type: none"> • Supported national training on coco wood milling and processing towards the effective utilization senile coconut palms 	Y	23,800	20 people trained in all aspects of log selection, sawing, grading and drying of wood from senile coconut palms
	<ul style="list-style-type: none"> • Support to regional quarantine awareness for the Pacific Games in New Caledonia 	Y	1,000	Increased awareness of quarantine issues to travellers


Solomon Islands ...cont	<ul style="list-style-type: none"> Supported organic products to POETCom display to Pacific Forum Leaders meeting in New Zealand 	Y	200	Pacific Forum Leaders endorsed Pacific organics
	<ul style="list-style-type: none"> Country Animal Genetic Resources (AnGR) analysis reports on the Inventory and Characterisation survey conducted on indigenous pigs and chickens for Solomon Islands to be completed by 2011. Final report awaiting pig analysis from International Livestock Research Institute (ILRI) laboratory, Beijing, China including a scientific paper to be published. 	Y	15,000	Identify and establish DNA characterisation database for poultry and pig breed sin the region
	<ul style="list-style-type: none"> Improvements to supply chain of private sector and outreach partners (including Direct Management Ltd, Maragphoto Holdings Ltd, Marovo Lagoon Sustainable Timber Ltd, Natural Resources Development Foundation, Value Added Timber Association, Village Eco-Timber Enterprises). 	Y	99,000	Progress towards FSC certification and value-adding for local timber producers and exporters; Development of increased cocoa exports and progress towards fair-trade certification for Makira Island Cocoa producers for DML supply
	<ul style="list-style-type: none"> Assistance on the Biosecurity bill 	Y	10,000	Encourage progress of bill
	<ul style="list-style-type: none"> Provide desktop computer and software for biosecurity information facility 	Y	3,200	Software and training provided
	<ul style="list-style-type: none"> Supported one staff member to attend the regional Draft international ISPM workshop in Nadi 	Y	3,980	Understood the international standard setting process and contributed to the draft standard.
	<ul style="list-style-type: none"> General biosecurity assistance on capacity strengthening proposal 		5,000	Strengthen capacity building in quarantine issues
	<ul style="list-style-type: none"> Paravet training for Solomon Islands MoA staff (SPC/RDP/MoA) 	Y	10,000	More competent Animal Health workers to undertake responsibilities
	<ul style="list-style-type: none"> Provided support to attend Paravet Institutionalisation Meeting in Nadi, Fiji 	Y	3,065	Establish way forward for in country institutionalisation of paravet programme
	<ul style="list-style-type: none"> Setting up of post entry quarantine building and facility at the airport. 	N	10,000	Class facility for inspection and other plant health work
	<ul style="list-style-type: none"> Complete weeds survey of two big islands (Guadacanal and Malaita) of Solomon Islands in late 2010 	N	15,000	Weeds survey completed
	<ul style="list-style-type: none"> Technical advice on mitimiti disease management. 	N	0	Increase awareness on disease management
	<ul style="list-style-type: none"> Supported one staff member to attend meetings in New Zealand on the FAO TCP projects on pesticide management 	N	4,300	TCP & MOU in the process of finalisation with countries and FAO
Tokelau 	<ul style="list-style-type: none"> Support to regional quarantine awareness for the Pacific Games in New Caledonia 	Y	300	Increased awareness of quarantine issues to travellers
Tonga 	<ul style="list-style-type: none"> Promoting diversity of fruit trees project through in country training in propagation and production of extension materials (factsheets, fruit tree management guidelines, breadfruit of Tonga) 	Y	35,100	Increased awareness on the nutritional benefits of fruit crops, supporting increased consumption, and therefore better health – in line with Food Secure Frame work
	<ul style="list-style-type: none"> Evaluation of crops and varieties for climate tolerant traits 	Y	56,700	More information available on the performance of the Tongan crop diversity and the CePaCT climate ready collection to support climate change adaptation
	<ul style="list-style-type: none"> Support for collecting of root crops to evaluate for climate tolerant traits 	Y	28,400	Increased diversity more easily accessible for Tongan farmers to assist with adaptation to climate change
	<ul style="list-style-type: none"> Support for analysis of planting material network 	Y	9,500	Strengthening the linkages in this network will support recovery after natural disasters

Tonga ...cont	<ul style="list-style-type: none"> • Virus testing of Alocasia and Xanthosoma 	Y	354	Facilitates the safe distribution of diversity within Tonga and around the region, increasing choices for farmers – important for food and nutritional security
	<ul style="list-style-type: none"> • Supported the participation of one staff member at the regional forestry technical meeting held in Nadi, Fiji, to discuss a regional framework for REDD in the Pacific, and emerging issues, opportunities and future direction for Pacific forestry 	Y	3,190	A roadmap towards a regional framework for REDD in the Pacific agreed.
	<ul style="list-style-type: none"> • Supported one staff member to attend the Inception Meeting for the AusAID Project “Strengthening Capacities in Tree Seed Technologies in the Pacific Island Countries 	Y	3,190	A work plan for the project was agreed
	<ul style="list-style-type: none"> • Supported one staff member to participate in the Regional Training Workshop on the Preparation of the Country Reports for the State of the World’s Forest Genetic Resources 	Y	3,190	National focal point on forest National focal point on forest genetic resources trained to prepare country report on the State of the World’s Forest Genetic Resources
	<ul style="list-style-type: none"> • Provided support to the promotion of agroforestry in Vava’u and ‘Eua 	Y	5,500	Agroforestry demonstration area developed for training purposes
	<ul style="list-style-type: none"> • Supported one staff member to participate in the workshop on the Pacific Regional Approach to REDD+ Readiness, held in Nadi, Fiji 	Y	0	Increased awareness of REDD+ and its contribution to SFM
	<ul style="list-style-type: none"> • Support to regional quarantine awareness for the Pacific Games in New Caledonia 	Y	500	Increased awareness on quarantine issues to travellers
	<ul style="list-style-type: none"> • Supported one representative to POETCom activities to Pacific Forum Leaders Meeting in New Zealand 	Y	3,000	Pacific Forum Leaders endorsed Pacific organics
	<ul style="list-style-type: none"> • 2-week attachment from Tonga Public Health Association on graphics design training 	Y	200	Strengthening capacity in publication production
	<ul style="list-style-type: none"> • Part of SPC/GIZ / GOPA team carrying out climate change sector-specific training workshops, hold joint consultation workshops with Govt. Ministries, private sectors and stakeholders in preparing Tonga’s National Climate Change Adaptation Strategies (NCCAS) document, Nuku’alofa, Tonga. 	Y	2,500	A draft of the National Climate Adaptation Strategy for Tonga was formulated for review and further comments of key stakeholders
	<ul style="list-style-type: none"> • Country Animal Genetic Resources (AnGR) analysis reports on the Inventory and Characterisation survey conducted on indigenous pigs and chickens for Tonga to be completed by 2011. Final report awaiting pig analysis from International Livestock Research Institute (ILRI) laboratory, Beijing, China including a scientific paper to be published. 	Y	20,000	Identify and establish DNA characterisation database for poultry and pigs in the region
	<ul style="list-style-type: none"> • Improvements to supply chain of private sector partners (including Grocom). 		6,700	Plan developed to assist GroCom supply network become Fair-trade certified, starting with watermelon
	<ul style="list-style-type: none"> • Assistance to market access of Tahitian lime, Polynesian plum and island cabbage preliminary risk analysis to New Zealand. 	N	5,500	Pest risk analysis conducted by NZ MAF Biosecurity and in progress
	<ul style="list-style-type: none"> • Supported one staff member to attend the regional Draft international ISPM workshop in Nadi 	Y	3,190	Understood the international standard setting process and contributed to the draft standard.
	<ul style="list-style-type: none"> • Provide support for attendance at Paravet Institutionalisation meeting in Nadi, Fiji 	Y	4,110	Establish way forward for in country institutionalisation of paravet programme
	<ul style="list-style-type: none"> • Facilitated one Vaini research staff to attend HLB master class workshop in Indonesia funded by Crawford fund 	Y	0	Early disease detection of HLB in the Pacific is possible and established.
	<ul style="list-style-type: none"> • Completed plant health survey on Tongatapu and Vava’u islands in 2011. Authenticated records will be updated to Pest List Database soon. 	Y	25,000	PLD updated, local plant health staff had hands on experience on pest and disease recognition, sampling
	<ul style="list-style-type: none"> • Funded yam seed material for Anthracnose resistance screening 	Y	200	Plant materials provided

Tonga ...cont	<ul style="list-style-type: none"> • Provided laboratory culture vials and culture media. 	Y	1,500	Laboratory materials provided
	<ul style="list-style-type: none"> • Supported two staff members to attend the pesticide registrar meeting in New Zealand and Canberra on the FAO TCP project on pesticide risk management in 5 countries of the Pacific 	Y	8,900	TCP & MOU in the process of finalisation with countries and FAO
	<ul style="list-style-type: none"> • Supported one staff member from Ministry to attend the initial meeting on IPM/ICM meeting in Brisbane in 2011 	Y	5,000	Project to be commenced in October 2011

Tuvalu 	<ul style="list-style-type: none"> • Distribution of banana diversity (26 accessions a total of 5,000 plants) for evaluation; the project also provided training in acclimatization of tissue culture plants for the Tuvalu PGR officer 	Y	24,415	Increased banana diversity providing more options for banana cultivation, thereby strengthening food and nutritional security
	<ul style="list-style-type: none"> • Supported the participation of one staff member at the regional forestry technical meeting held in Nadi, Fiji, to discuss a regional framework for REDD in the Pacific, and emerging issues, opportunities and future direction for Pacific forestry 	Y	3,190	A roadmap towards a regional framework for REDD in the Pacific agreed.
	<ul style="list-style-type: none"> • Supported one staff member to participate in the Regional Training Workshop on the Preparation of the Country Reports for the State of the World's Forest Genetic Resources 	Y	3,190	National focal point on forest genetic resources trained to prepare country report on the State of the World's Forest Genetic Resources
	<ul style="list-style-type: none"> • Supported one staff member to participate in the workshop on the Pacific Regional Approach to REDD+ Readiness, held in Nadi, Fiji 	Y	0	Increased awareness of REDD+ and its contribution to SFM
	<ul style="list-style-type: none"> • Publication of quarantine awareness materials 	Y	1,000	Increased awareness on quarantine issues
	<ul style="list-style-type: none"> • Assistance to the Rotuma-Tuvalu trade facilitation and market access of Taro, Sweet potatoes and cassava pests risk analysis. 	Y	9,000	Provided assistance for Tuvalu Quarantine Officer to inspect facilities and discuss issues with Fiji
	<ul style="list-style-type: none"> • Supported one staff member to attend the regional Draft international ISPM workshop in Nadi 	Y	3,190	Understood the international standard setting process and contributed to the draft standard.
	<ul style="list-style-type: none"> • Assistance on the Biosecurity bill 	Y	5,000	Encourage progress of bill
	<ul style="list-style-type: none"> • Provided assistance on the biosecurity information facility 	Y	5,000	Computer repaired and sent to Tuvalu
	<ul style="list-style-type: none"> • Provided technical advice on the management of exotic pest on Kou tree. 	Y	0	Advised Tuvalu to seek funds from SPREP or GEF for proper control
	<ul style="list-style-type: none"> • Assisted in the sub-regional Climate Change adaptation planning workshop for Kiribati, Nauru and Tuvalu held at Tarawa with funding from GIZ. 	Y	3,400	Supported sub-regional countries in identifying climate change adaptation strategies and options for countries planning and implementation.
Vanuatu 	<ul style="list-style-type: none"> • Production of Yam Diversity Fair DVD 	Y	11,200	Promotion of the yam diversity that exists in Vanuatu and the region, and promotion of a traditional food crop
	<ul style="list-style-type: none"> • Distribution of 25 accessions of taro (125 plants) for INEA project 	Y	625	Improved food security through access to taro diversity globally, and information as to which taro varieties are drought tolerant
	<ul style="list-style-type: none"> • Supported the participation of two staff members at the regional forestry technical meeting held in Nadi, Fiji, to discuss a regional framework for REDD in the Pacific, and emerging issues, opportunities and future directions for Pacific forestry 	Y	3,300	A roadmap towards a regional framework for REDD in the Pacific was agreed

Vanuatu...cont	<ul style="list-style-type: none"> Supported one staff member to attend the inception meeting for the AusAID Project Strengthening Capacities in Tree Seed Technologies in Pacific Island Countries 	Y	3,300	A work plan for the project was agreed
	<ul style="list-style-type: none"> Supported one staff member to participate in the regional training workshop on the preparation of the country reports for the State of the World's Forest Genetic Resources 	Y	3,300	National focal point on forest genetic resources trained to prepare country report on the State of the World's Forest Genetic Resources
	<ul style="list-style-type: none"> In collaboration with GIZ, provided support to the Road show of the Project on National Climate Change Adaptation Strategy in Vanuatu 	Y	0	Awareness meetings on climate change were conducted at the provincial level
	<ul style="list-style-type: none"> Supported two staff members to participate in the workshop on the Pacific Regional Approach to REDD+ Readiness, held in Nadi, Fiji 	Y	6,000	Increased awareness of REDD+ and its contribution to SFM
	<ul style="list-style-type: none"> Carried out ACIAR cocoa livelihoods rehabilitation project livelihoods assessment, farmer training and establishment of integrated pest and disease management participatory research appraisal 	N	90,000	Improved cocoa management capacity
	<ul style="list-style-type: none"> Completed the PARDI chocolate consumer preference report 	N	20,000	Report is available
	<ul style="list-style-type: none"> Completed the PARDI chocolate factory feasibility study 	N	15,000	Feasibility study is available
	<ul style="list-style-type: none"> Carried out ACIAR cocoa livelihoods training of extension officers on IPDM and rat bait making 	N	10,000	Improved knowledge of cocoa management techniques and using local materials for rat bait.
	<ul style="list-style-type: none"> In collaboration with GIZ-BMU, organised and held a national planning meeting on the implementation of the project Climate Protection Through Forest Conservation in Pacific Island Countries 	Y	3,400	National priorities for project support were identified
	<ul style="list-style-type: none"> Conducted assessment and provided advice on pig trials and other livestock climate change activities in collaboration of a GIZ Livestock consultant 	Y	GIZ	Identified possible climate change impacts on the livestock sector and possible adaptation methods
	<ul style="list-style-type: none"> Supported one Animal Health officer to participate in the Livestock Climate Change Capacity building training workshop held in Fiji 	Y	GIZ	Identified possible climate change impacts on the livestock sector and possible adaptation methods
	<ul style="list-style-type: none"> Compiled country Animal Genetic Resources (AnGR) analysis reports on the inventory and characterisation survey conducted on indigenous pigs and chickens for Vanuatu, to be completed by 2011. Final report awaiting pig analysis from International Livestock Research Institute (ILRI) laboratory, Beijing, China, including a scientific paper to be published 	Y	15,000	Identified and established DNA characterisation of poultry and pig breeds in the region
	<ul style="list-style-type: none"> Supported one Animal Health officer to participate in the Food Animal Biosecurity Network Laboratory Quality Assurance Workshop 	Y	4,000	Lab technician exposed to new lab procedures
	<ul style="list-style-type: none"> Made improvements to supply chain of private sector partners (including Lapita Cafe Ltd). 	Y	21,800	Improved production facilities and packaging/ labelling for Lapita
	<ul style="list-style-type: none"> Assisted market access of Tahitian lime, Polynesian plum and Island cabbage preliminary risk analysis to New Zealand 	Y	3,300	Pest risk analysis conducted by NZ MAF Biosecurity and in progress
	<ul style="list-style-type: none"> Provided assistance on preparing the Biosecurity bill 	Y	5,500	Encouraged progress of the bill
	<ul style="list-style-type: none"> Provided assistance on the biosecurity information facility 		5,000	Technical support provided through provision of template
	<ul style="list-style-type: none"> Provided support for attending the paravet institutionalisation meeting, Nadi, Fiji 	Y	6,113	Identified the way forward for in-country institutionalisation of the paravet programme
	<ul style="list-style-type: none"> Supported 16 participants at the animal disease surveillance training, and refresher course on sample collection and use of rapid test kits 	Y	5,000	Animal Health workers able to undertake statistically valid animal health surveys

	<ul style="list-style-type: none"> Diagnosed and identified rust disease on Heliconia and recommended control options Funded local MPI staff for local travel within islands of Vanuatu 	Y	15,000	Disease widespread but under control
	<ul style="list-style-type: none"> Surveyed for invasive weeds presence on Tanna, Malekula, Efate and Santo Funded local staff member as counterpart 	Y	16,000	Weed records updated.
	<ul style="list-style-type: none"> Provided technical advice on pest and disease control options 	Y	0	Technical assistance provided
	<ul style="list-style-type: none"> Funded one staff member to attend meetings in New Zealand and Canberra on the FAO TCP projects on pesticide managements 	N	8,900	TCP & MOU in the process of finalisation with countries and FAO
Wallis and Futuna 	<ul style="list-style-type: none"> Supported the participation of one staff member at the regional forestry technical meeting held in Nadi, Fiji, to discuss a regional framework for REDD in the Pacific 	Y	4,200	A roadmap towards a regional framework for REDD in the Pacific was agreed
	<ul style="list-style-type: none"> Supported one staff member to participate in the workshop on the Pacific Regional Approach to REDD+ Readiness, held in Nadi, Fiji 	Y	0	Increased awareness of REDD+ and its contribution to SFM
	<ul style="list-style-type: none"> Provided one staff for training in value added food processing, virgin coconut oil manufacture and value adding into perfumed oils and soaps 	Y	2,000	Smallholders trained in developing value-added products for local market

LRD MAIN SECTORAL MEETINGS AND WORKSHOPS, 2011

Regional Training Workshop to Support the Preparation of the Country Report for the State of the World's Forest Genetic Resources, Nadi, Fiji, 19–21 January 2011

LRD in collaboration with the Food and Agriculture Organization (FAO) of the United Nations and the Convention on Biological Diversity (CBD), held a training workshop to provide training to national focal points on forest genetic resources of 11 FAO member countries in the Pacific on their preparation of their national report for the State of the World's Forest Genetic Resources (SOW FGR).

XLVII Asian Pacific Coconut Community Session/ Ministerial Meeting, 25-28 January 2011

This was attended by APCC member countries; Federated States of Micronesia, Fiji, India, Indonesia, Kiribati, Malaysia, Marshall Island, PNG, Philippines, Samoa, Solomon Islands, Sri Lanka, Thailand, Vanuatu and Vietnam. The main objective of the meeting is to build on from the national efforts being done by countries affected by diseases and formulate a regional collaborative project to control of phytoplasma/wilt diseases in coconut for funding by international donors.

Oceania Global Soil Mapping Node Meeting in Bogor, Indonesia, 7–9 February 2011

The Oceania Node of the Global Soil Map (GSM) in collaboration between CSIRO of Australia, Land Care Research of New Zealand and the Indonesian Centre for Agricultural Land Research and Development (ICALRD) organised the workshop with the goal of developing a network amongst the neighbouring countries within the Oceania nodes and in neighbouring East Asia nodes. It also discussed draft work plan, identify key activities and consider opportunities for funding. LRD represented the Pacific Island Countries in this meeting.

Workshop on defining descriptors for and characterizing swamp taro, Pohnpei, FSM, 16–24 February 2011

A workshop was held in Pohnpei at the Pilot Farm with farmers, research and extension staff to develop descriptors to assist with the characterization of swamp taro. The collection at the Pilot Farm consists of over 60 accessions which need to be described so that the collection can be rationalised and unique accessions identified.

Master class on HLB disease of citrus in Indonesia, 19 February–5 March 2011

A paper was presented on the status of HLB disease of Citrus sp. in the Pacific. The Crawford Australian Fund funded two participants from the region. The vectors were reported in four PICTs but the disease has only been reported at the most top end of PNG, Vanimo town region.

IPM/ICM meeting in Brisbane, Australia, 7-9 March 2011

Participants from PNG, Tonga, Solomon Islands and Fiji were brought in to plan and initiate projects incorporating IPM /ICM methodology with technologies developed from previous ACIAR projects. Full project was developed and is to be launched in the 1st week of October 2011.

Ad Hoc Technical Expert Group (AHTEG), Geneva, Switzerland, 16-18 February 2011

The meeting discussed ways and means, including, *inter alia*, providing scientific and technical information, advice and guidance, on the possible development of standards by appropriate bodies that can be used at an international level to avoid spread of invasive alien species that current international standards do not cover, to address the identified gaps and to prevent the impacts and minimize the risks associated with the introduction of invasive alien species as pets, aquarium and terrarium species, as live and live food.

Sixth Session of the Commission on Phytosanitary Measures, Rome, Italy, 14-18 March 2011

The Session is being convened under the provisions of Article XI of the International Plant Protection Convention (1997) and will include the Report of the Technical Consultation among RPPOs and reports from observer organisations such as the World Trade Organisation – Committee on Sanitary and Phytosanitary Measures.

4th Session ITPGRFA Governing Body Meeting, Bali, Indonesia, 13-19 March 2011

Provided support to the participating countries, namely Cook Islands, Fiji, Kiribati and Palau, who are Contracting Parties to the Treaty.

Food Security Working Group, Suva, Fiji, 17-18 March 2011

This Working Group meets regularly to discuss the process of the implementation of the "Framework for Action on Food Security in the Pacific". It is a multi-agency working group, consisting of SPC, FAO, WHO, UNICEF and GHI.

Fiji National Research Council

The Genetic Resources Coordinator sits on the Fiji National Research Council. The Council has met twice in 2011 and also arranged a Climate Change meeting.

6th International workshop on management of DBM and other cruciferous pests in Thailand, March 2011

LRD funded two project scientists to present their finding of Diamondback Moth (DBM) and Large Cabbage Moth (ICM) pests management on Brassica in Fiji and Samoa.

FAO MEA funds supported two scientists from Fiji who enrolled for post graduate studies on pesticide management, travelled to the administered institute in April 2011 at the University of Cape Town, South Africa. Online Study to be completed by June 2012.

Capacity Strengthening in Plant Protection and Quarantine, Brisbane, Australia 3-7 April 2011

In collaboration with Office of the Chief Plant Protection Officer, Australian Department of Agriculture Forestry and Fisheries, SPC organized a regional workshop and invited six countries; Cook Islands, Fiji, Papua New Guinea, Samoa, Solomon Islands and Vanuatu to discuss strengthening capacity building in Plant Protection and Quarantine issues in the region. The workshop was funded by DAFF Australia.

Micronesian Regional Invasive Species Council, Strategic Action Plan and CRB Emergency Response Workshop, University of Guam, Guam, 4-8 April

In collaboration with SPREP/PILN and TNC, LRD NP participated and assisted in the review and development of the SAP 2012-2016 for RISC. The countries represented include, FSM, Guam, Marshall Islands, Palau and Saipan.

Launching meeting of the International Network for Edible Aroids (INEA), Kuala Lumpur, 11- 15 April 2011

This network involves two countries from the Pacific, namely PNG and Vanuatu, and the SPC CePaCT. It is a global project with 19 countries as participants. The objectives of INEA are for sharing, breeding and producing new genetic resources of taro and other aroids, in particular cocoyam, from diverse genepools with agronomic and commercial potential, as well as the promotion of international collaboration among breeders and farmers.

FSM 3rd National Environment Summit, Yap, FSM, 11-15 April

SPC LRD was represented by PEO Micronesia who participated in the Summit. It discussed the coordination of National and State Activities related to the Environment and Resource Management, recent developments and Prioritize Areas of Intervention under the Multilateral Environment Agreements over the next 2-4 years and the review of State and National Environment Laws and Regulations

1st Pacific Agribusiness Projects Co-ordination Meeting, Suva, Fiji, 12-13 April 2011

This meeting aimed to achieve greater co-ordination among the range of new Pacific projects looking to facilitate the commercialization of Pacific agriculture by promoting greater small-holder market integration. With representation from project managers and staff from the Pacific Agribusiness Research and Development Initiative, the Pacific Horticultural and Agricultural Market Access project, the Enterprise Challenge Fund, the Market Development Facility, Facilitating Agricultural Commodity Trade, the Food Security and Sustainable Livelihoods Program and the All Africa Caribbean Agricultural Commodity Program. The next co-ordination meeting will be held in October 2011.

Pacific Sub-Regional Workshop on the Development of Market Information Systems, Nadi, 16-19 August, 2011

With support from the United Nations Convention and Trade and Development (UNCTAD), the United Nations Development Program (UNDP) and the International Trade Centre (ITC) provided under the All Africa Caribbean and Pacific Agricultural Commodities Program (AAACP), SPC brought together Government and private sector representatives from PNG, Solomon Islands, Vanuatu, Samoa, Tonga and Fiji for this three day technical workshop.

OIE Regional Representation of the Asia and the Pacific WAHIS training workshop for OIE National Focal Points on animal disease notification to the OIE, China 12-14 April 2011

Participants from Pacific included Fiji, Papua New Guinea, New Caledonia, Federated States of Micronesia as well as other Members from Asia-Pacific region. The workshop provided to the participants information on the role and responsibilities of Veterinary Authorities on their obligations on disease notification, update of disease notification in the region, hands-on the use of the OIE world animal health information system (WAHIS) and presentation of its interface WAHID.

SPC-USDA APHIS 9th Plant Protection and Quarantine Training, Guam, 18-22 April 2011

SPC collaborated with the University of Guam, USDA APHIS and Guam Department of Agriculture to conducted training for the Northern Pacific Biosecurity Officers from Federated States of Micronesia; Guam; Palau and Marshall Islands to discuss and provide advice on plant protection, biosecurity issues, border control, food safety inspection service, entomology and import risk assessment, to name a few.

Technical visit to Indonesia Centre for Agricultural Biotechnology and Genetic Resources Research and Development (ICABIOGRAD), Bogor, 15 April – 01 May 2011

Visit was arranged and funded by the Global Crop Diversity Trust to provide technical support to ICABIOGRAD to tissue culture 170 accessions of taro for safe duplication in the SPC CePaCT. This significant taro diversity will be available for Pacific farmers.

13th Annual Oceania Customs Organisation Annual Conference in Port Moresby, PNG 3-7 May 2011

One staff represented the LRD Biosecurity and Trade support team to attend the annual regional meeting of the Oceania Customs Organisation (OCO).

Internet Governance Conference in Noumea, New Caledonia, 04-11 May 2011

SPC - Land Resources Division in collaboration with Diplo Foundation (Geneva) organized the Internet Governance and ICT policy workshops in Fiji and Cook Islands (2010). As a follow-up, SPC in collaboration with partners organizations and donors organized the first Pacific/Regional conference on Internet Governance. LRD Staff participated and facilitated the Regional conference on Internet Governance. A concern was raised that often regional level framework is established, but then implementation stalls at national level. It was then suggested that

there should be a regional/Pacific monitoring body to monitor, support and encourage implementation at national level on Internet Governance and ICT policy issues. Internet Governance discusses the evolution and use of the internet and most of the development aspects focus on governments, private sector and civil society. Policies and frameworks for Internet Governance have been topics of debate for different stakeholders. SPC-LRD has been instrumental in discussing ways the internet should facilitate free communication of information and ideas to ensure that the agriculture sector is well versed with the new technologies and to ensure that the LRD stakeholders are benefiting from the new information age. Applications such as the use of web 2.0/social networking tools, market information system, ICT for development, the use of mobile technologies were discussed during the Internet Governance sessions in Noumea.

Integrating Environment, Climate Change and Disaster Risk Reduction in the Economic Development Training, Suva, Fiji, 4-5 May 2011

Two CePaCT staff attended this training to improve awareness on issues relating to climate change and how it impacts on development.

ACIAR Fiji Inception Workshop for Planning and Implementation of Project Activities: ACIAR Cleaner Export Pathways, Suva, Fiji, 10-11 May 2011

The Fiji inception workshop involved discussions on the proposed workplan for the year reviewed against the project proposal and schedule of activities including identification of resources such as staffing requirements, budget and physical equipment. Discussions also centered around the process of project reporting and timelines.

79th OIE General Session, Paris, France, 22–27 May 2011

Annual General Session of the World Organisation for Animal Health (OIE)

Coping with Climate Change in the Pacific Island Region (CCCPIR) Regional Workshop, Suva, Fiji, 31 May – 02 June 2011

The meeting was held to develop the outputs from the three components of this project, and to elaborate on the plan of operation. In addition the steering structure of the CCCPIR was discussed and recommendations made.

CCCPIR Multi Country Workshop in Pohnpei, Federated States of Micronesia, 6-8 June 2011

The meeting was held to review the draft plans of operation for FSM, Marshall Islands and Palau.

OIE Global Conference on Aquatic Animal Health: Their Benefits for Global Food Security, Panama City, Panama, 28–30 June 2011

Raise awareness of the requirements for good governance of aquatic animal health services.

Highlight the contribution of aquatic animal health programmes to improving the productivity and sustainability of the aquatic animal health sector.

Raise awareness of OIE standards and Recommendations on

the use of veterinary products. Practical steps to address risks arising from aquatic animal production for food safety, public health and the environment.

OIE/FAO 5th GFTADs Regional Steering Committee Meeting for Asia and the Pacific, Tokyo, Japan, 21–23 July 2011.

To review progress on regional and subregional GFTADs programmes, discuss implementation issues, and undertake consultations with Donor Partners and Collaborating Countries.

Banana Characterization Training, 03-17 June, 2011

Support was provided for a resource person to provide training to staff of Kastom Gaden Association, Solomon Islands and farmers for banana characterization. Solomon Islands hold significant banana diversity which needs to be described, documented and conserved. This was an important step towards achieving this.

Fiji Climate Change Adaptation Strategy, 14 June 2011

Participated in this one day meeting to develop strategy for Fiji.

Genebank Meeting, Brighton, UK, 13 - 17 June 2011

This meeting included genebanks who receive long-term funding from the Global Crop Diversity Trust. SPC Centre for Pacific Crops and Trees (CePaCT) is the only genebank, outside of the CGIAR system to receive this funding. The meeting discussed long term funding issues, proposal development and ways in which genebank services can be improved and made more cost-effective.

2nd International Symposium for Underutilized Species: Crops for the Future – Beyond Food Security, Kuala Lumpur Malaysia, 27 - 30 June 2011

One staff from Genetic Resources and one Masters' student were invited to give three papers at this international meeting. Papers presented were (a) Documentation, nutritional content, traditional knowledge and conservation of Marshall Islands Breadfruit cultivars (b) A rapid screening methodology for salt tolerance in giant swamp taro (*Cyrtosperma merkusii*) and its diversity (c) Implementing the strategy for conservation through use of underutilized crops in the Pacific. These papers will be published in the Acta Hort proceedings

International Symposium on Cryopreservation of Horticultural Crops, China, 25 June – 5 July 2011

One of the CePaCT staff who is also studying for a Masters attended this Symposium and presented a paper on "Development and refinement of cryopreservation protocols for the long-term conservation of aroids, namely *Alocasia*, *Cyrtosperma* and *Xanthosoma* species. The meeting accepted the results and approved the publication of this protocol; this was the only protocol to receive approval from the Symposium

National Project Planning Meetings on the Climate Protection through Forest Conservation in the Pacific Island Countries project, June 2011

LRD in collaboration with GIZ-BMU, held national project planning meetings of the project on Climate Protection through Forest Conservation in the Pacific Island Countries were held from 15th to 16th of June in Port Vila (Vanuatu), 21st to 22nd of June

in Port Moresby (Papua New Guinea) and from 29th to 30th of June in Honiara (Solomon Islands). The objectives of the meetings were to learn about current status of REDD+ in the country, assess needs and priorities (national + regional) and to identify potential SPC/GIZ REDD+ Project activities in the country. The meetings were attended by key stakeholders (Government and non government institutions) in each country.

ACIAR Samoa Inception Workshop for Planning and Implementation of Project Activities: ACIAR Cleaner Export Pathways, Apia, Samoa, 9-16 July 2011

The purpose of the Samoa inception workshop was to discuss planned project activities, implementation strategies and to conduct a field visit on existing taro growing areas. The workshop was divided into three sessions; session one comprised of the opening session, session two was to provide the background information on why and how the project was developed, the project objectives and in session three details of the proposed trials and experiments were discussed.

15th Micronesian Chief Executives Summit, Pohnpei, FSM, 25-29 July 2011

In collaboration with SPREP/PACC presented its Palau project on Climate Change and Food Security. There were pre-Summit meetings which involved both PACC and RISC and assisted in the development of their reports and presentations. The Micronesian countries represented included FSM, Guam, Marshall Islands, Palau and Saipan.

PARDI TAB Breadfruit project, 29 July 2011

Two meetings of Technical Advisory Board (TAB) for PARDI breadfruit project, "Developing breadfruit production systems for the Pacific Islands" have been held. The aim of this project is to enhance livelihoods through the development of an effective and sustainable breadfruit supply chain. This requires a concerted applied research effort on three parallel fronts namely, creating the ready availability of suitable market preferred planting material that allow for year round production; developing commercially viable small holder orchard production systems, and developing best practice post harvesting handling for fresh exports.

Pacific Platform for Disaster Risk Management, Auckland, New Zealand, 1-5 August 2011

The Pacific Platform for Disaster Risk Management 2011 (Platform) was organised by SPC/SOPAC. It is an opportunity for the sharing of experiences and knowledge in relation to initiatives that are being implemented by Pacific island countries and territories to strengthen resilience to disasters. The Platform brings together disaster managers of 22 Pacific island countries and territories, chief executive officers of Ministry's of Finance/ Planning and Disaster Management, and representatives of national, regional and international development partner organisations, donors, civil society and the private sector.

2011 APS-IPPC Joint Meeting International Plant Protection Conference, Honolulu, Hawaii, 6-10 August 2011

The meeting was organized by the American Phytopathological Society and the International Association for the Plant Protection Sciences (IAPPS). Discussions revolved around the progress made in the field of plant protection and pest management in the Pacific Region.

'Livestock and Climate Change Workshop' for Livestock Technical staff of Animal Health & Production in SPC, Fiji and Vanuatu - 22 – 25 August 2011

The workshop 'Livestock and Climate Change' was held at the SPC in Suva and seventeen (17) participants attended mainly livestock technical staff from the AHP/SPC, governments of Fiji and Vanuatu as well as dairy sector stakeholders from Fiji. The workshop was sponsored under the SPC/GIZ 'Coping with Climate Change in the Pacific Islands Region (CCCPIR) programme. The objectives of the workshop were to; Review the expected impacts of climate change on livestock production in the Pacific region, identify and prioritize adaptation options within the livestock sector in the Pacific Region and to identify the baseline data that is required to fully assess and prioritize adaptation options, including the use of traditional knowledge to provide insights where limited scientific data is available.

Improving efficiency of agricultural markets in the Pacific through the use of Information Technology, 17-19 August, 2011

This workshop was organised in collaboration with the United Nations Conference on Trade and Development (UNCTAD) under the European Commission's All ACP agricultural commodities programme. SPC is working to improve the quality and consistency of market information supplied to stakeholders such as small farmers, farmer organisations, wholesalers and exporters and to facilitate greater market participation. In particular, SPC is working to establish Web and mobile phone-based mechanisms to disseminate information and reach farmers, including those in the most remote areas. Participants included Fiji, Samoa, PNG, Vanuatu and Solomon Islands.

14th FAO Roundtable for PICTs on WTO and Regional Trade Agreements and Provisions, Wellington, New Zealand, 22-26 August 2011

FAO, for the last 14 years, has been organizing this roundtable especially with the above objective in mind. Originally, the main focus has been on WTO, but with little action happening on that front a lot of discussions have shifted to regional trade agreements which has now included PACER Plus, for example. The roundtable also provided an excellent opportunity for PICTs to share experiences in areas like the process followed towards WTO membership, etc. This present roundtable was the 14th so far and was attended by more than 50 people from government, private sector and international and regional agencies. Governments represented included Cook Islands, FSM, Fiji, Kiribati, Nauru, Niue, Palau, PNG, Marshall Islands, Samoa, Solomon Islands, Tonga, Tuvalu and Vanuatu. Also participating from the PICTs were six private sector representatives from Fiji, PNG, Samoa, Tonga and Vanuatu. International and regional agencies included FAO, IFAD, FFA, SPC and representatives of the NZ Ministry of Agriculture and Forestry.

23rd Technical Consultation of the Regional Plant Protection Organizations, Hanoi, Vietnam 29 August – 2 September 2011

One staff representing the Pacific Plant Protection Organisation (PPPO) attended the above consultation meeting. There was a review of RPPO activities (including organization, regional standards, workshops) and this also included specific feedback on RPPO activities to realize the goals of the CPM Business Plan.

3rd China-Pacific Island Countries Forum on Agricultural Cooperation, Nadi, Fiji, 1–2 September 2011

For promoting agricultural cooperation between the Republic of China and the Pacific Island countries and territories

OIE Global conference on Rabies control: Towards Sustainable Prevention at the Source, Incheon, Seoul, Korea, 7–9 September 2011

The purpose of this Global Conference is to bring together all parties involved in controlling rabies at its animal source, to provide an opportunity to assess the global rabies situation and control programmes and to develop recommendations for the way towards sustainable prevention of rabies at the animal source along with institutional changes needed to better address rabies control at a world-wide level.

Regional workshop on Draft International Standards on Phytosanitary Measures (ISPMs), Nadi, Fiji 5-7 September 2011

The LRD Biosecurity and Trade support team organized a regional workshop to review and comment on the draft international standards developed by the International Plant Protection Convention (IPPC). The comments were sent to IPPC Secretariat for consideration and adoption in 2012 by the CPM. A total of 18 Pacific Island representatives attended the workshop and they were from: American Samoa, Cook Islands, Federated States of Micronesia, French Polynesia, Fiji, Guam, Kiribati, Marshall Islands, Nauru, New Caledonia, New Zealand, Niue, Papua New Guinea, Samoa, Solomon Islands, Tonga and Tuvalu. Seven draft international standards were considered and commented.

Follow-up workshop on Capacity Strengthening in Plant Protection and Quarantine Nadi, Fiji, 8-9 September 2011

A second follow up workshop to finalize issues and identify priority areas was held in Nadi, Fiji. Participants from the ISPM workshop attended the follow-up workshop; they were from American Samoa, Australia, Cook Islands, Federated States of Micronesia, French Polynesia, Fiji, Guam, Kiribati, Marshall Islands, Nauru, New Caledonia, New Zealand, Niue, Papua New Guinea, Samoa, Solomon Islands, Tonga and Tuvalu. The workshop was funded by DAFF Australia.

FAO TCPs meetings on pesticide management, regulation and risk communication, Wellington, New Zealand, 23-25 May 2011 and Canberra, Australia, 5-9 September 2011

Attended were representatives from Tonga, Samoa, Fiji, Solomon Islands and Vanuatu. The three TCPs addresses important issues surrounding pesticide regulation, usage and management in the 5 countries, if properly executed, packages devel-

oped will be adopted by the remaining PICTs. The three TCPs will be funded from FAO funds that will run for 3 years after commencement.

Inception Workshop on “Strengthening Capacities on Tree Seed Technology in the Pacific Island Countries”, Nadi, Fiji, 19–20 September 2011

LRD in collaboration with CSIRO held an Inception Meeting for the AusAID funded project “Strengthening Capacities on Tree Seed Technology in the Pacific Island Countries” attended by six participating countries, namely; Fiji, Papua New Guinea, Samoa, Solomon Islands, Tonga and Vanuatu to discuss and plan the project training, research directions, identify key species, develop a work plan and to discuss progress on the preparation of the Material Transfer of Agreement. The outcome of the project inception meeting was presented in the Regional Forestry Technical Meeting held in the same venue on 21-23 September 2011.

The main objective of the Project is to improve capabilities in the regional tree seed centre, the PICTs national tree seed facilities and relevant private sector firms to address their clear and urgent need to collect and share germplasm of tree and shrub species of high regional importance through the provision of appropriate advice, information and comprehensive tree seed training program and other activities.

Pacific Regional Approach on REDD+ Readiness Workshop, Nadi, Fiji, 19-20 September 2011

LRD, in collaboration with GIZ-BMU, JICA and the UN-REDD Programme, organised the regional workshop to (i) raise awareness about REDD+; (ii) provide updates on REDD+ readiness initiatives in the Pacific, and (iii) to discuss findings and recommendations of the UN-REDD mission in the Pacific earlier this year.

Regional Forestry Technical Meeting, Nadi, Fiji, 21-23 September 2011

LRD, in collaboration with GIZ- BMU, EU, JICA and UN-REDD Programme, organised the regional forestry technical meeting in Nadi, Fiji. The meeting which was the highlight of the Pacific celebration of the International Year of Forests, discussed various emerging issues and opportunities in the region, including the Regional Framework for REDD in the Pacific and the International Phytosanitary Standards on Forestry. The occasion also provided the opportunity to launch a new book titled “Forestry in the Pacific: Foundation for a Sustainable Future” and the presentation of the awards and prizes to the winners of the IYF competition.

Pathogen testing (PT) of Sweet potato training at DEEDI, Gatton Research Station, Queensland, Australia, 25-30 September 2011

The virus indexing technician from CePaCT attended training specifically designed to advance skills in thermotherapy, pathogen testing and virus indexing of sweet potato. This training will be instrumental in development of SPC capability of sweet potato virus indexing capacity leading to further sustainable agricultural development for Pacific Island Countries.



All ACP Commodities Programme Dissemination Workshop, 24-25 October, Nadi, Fiji

The EU allocated 45 million Euros to the programme and signed Contribution Agreements with five (5) International Organisations (IOs) for its implementation. The IOs are: World Bank, CFC, ITC, FAO and UNCTAD. Implementation took place under the guidance of a Programme Steering committee (PSC), assisted by a Programme Coordination Unit (CU). Given the limited programme resources, activities were seen as pilots, to be replicated/up-scaled under EDF-funded regional or national indicative plans, or with funding from other development partners, if deemed successful.

The PSC approved over 20 interventions for a total of 2.781 million for Pacific ACP countries. Three Pacific ACP countries were chosen for strategy development: Fiji, Samoa and Solomon Islands. ITC led the process assisted by FAO and other IOs. Other interventions focused on support to producers organisations, supply chain finance, a regional market information system and market and product development in support of sectoral strategies developed.

The main objective of the workshop was for stakeholders to examine what has been achieved in the programme since implementation.

Asia Pacific Forestry Week, Beijing, China, 7-11 November, 2011

Forestry and Trees Thematic Team facilitated the participation of 12 Pacific Island delegates with funding assistance from FAO and JICA. For the first time, a side event on the Pacific Island Forestry was organised to showcase opportunities for forestry in the Pacific Island Countries.

Moving Beyond Strategy to Improve Information and Knowledge Management for Agricultural Development in the Pacific Islands Countries and Territories, 21-23 November, Nadi, Fiji

This workshop was organized by APAARI, FAO, GFAR, SPC and other relevant partners. The aim was to discuss and offer recommendations for action by actors in agricultural innovation in how Pacific Island states can improve their information and knowledge management i.e. its generation, processing, dissemination and effective use for innovation, to meet current and emerging challenges to agricultural development by partnering locally, within the Pacific states and with the global community.

Web 2.0 and Social Media Training, 7-9 December, 2011, Suva, Fiji

The training workshop is collaboration between CTA and LRD in capacity building to explore the use of social media and other 'Web 2.0' technologies to improve service delivery. The overall objective of this workshop is to discuss the opportunities offered by the social media and also the challenges of using these applications online. More broadly, it looked at the role of the internet and how social media can facilitate information sharing and collaboration.

Sustainable Forest Management, PNG, 8-18 December, 2011.

Follow up on REDD+ site for Sustainable Forest Management project. The officers met with communities and government officials to assess PNG REDD+ pilot area for possible SPC/GIZ support.

ANNEX 3

LRD – PUBLICATIONS BY THEMATIC TEAMS, 2011

Forests and Trees team	<p>Book:</p> <ul style="list-style-type: none"> • Forests of the Pacific: Foundation for a Sustainable Future <p>Poster:</p> <ul style="list-style-type: none"> • International Year of the Forests <p>Documentaries (DVD):</p> <ul style="list-style-type: none"> • Forestry in the Pacific • Raising Yasi in Fiji <p>Proceedings (posted at SPC and FAO websites):</p> <ul style="list-style-type: none"> • Regional Training Workshop to Support the Preparation of the State of the World's Forest Genetic Resources
Forest and Agriculture Diversification team	<p>Documentary:</p> <ul style="list-style-type: none"> • Pacific Island Taro Market Access Scoping Study • Shop Pacific – a showcase of agricultural and forestry products from the Pacific Islands Region <p>Booklet:</p> <ul style="list-style-type: none"> • Pacific Kava – A producers guide (reprint) • Processing Manual for Virgin Coconut Oil, its products and by-products for Pacific Islands Countries and Territories • Solomon Island Handicrafts Booklet (revision and reprint) <p>Newsletter</p> <ul style="list-style-type: none"> • Growing Exports, Vol 1 <p>Poster:</p> <ul style="list-style-type: none"> • Black Taro • Fairtrade Traceability
Plant Health team	<p>Technical paper:</p> <ul style="list-style-type: none"> • 2 papers on Large Cabbage Moth and Diamondback Moth – Integrated Pest Management in Fiji and Samoa presented at the International workshop on IPM of Brassica pests. • HuangLongBing (HLB) status in PICTs presented at HLB conference in Indonesia. <p>Poster:</p> <ul style="list-style-type: none"> • Poster of first record of Chilli Anthracnose in Fiji, Australasian Plant Pathology Society Conference in Darwin. <p>Documentary:</p> <ul style="list-style-type: none"> • Records of viruses and Phytoplasmas in the PICTs.
Crop Production team	<p>Newsletter:</p> <ul style="list-style-type: none"> • Market information services – All ACP Pacific brief • Public policy support for smallholder agriculture – All ACP Pacific brief
Information, Communication and Extension team	<p>LRD Serial Publications:</p> <ul style="list-style-type: none"> • LRD newsletter - 3 issues produced (April, August, December) • LRD 2010 Annual Report • Invasive Species Calendar 2011 (Northern Pacific) <p>Book:</p> <ul style="list-style-type: none"> • Traditional Knowledge of Pacific agricultural practices. <p>Posters:</p> <ul style="list-style-type: none"> • International Year of the Forests • Promotion of Agro-biodiversity • Varieties of local foods (Yams, sweet potato) • Quarantine posters (Samoa) • Quarantine posters (PNG) • Quarantine posters (Kiribati) <p>Proceedings:</p> <ul style="list-style-type: none"> • 12th PPPO Executive Committee Meeting, November 2010, Auckland, New Zealand

Genetic Resources team	<p>Proceedings:</p> <ul style="list-style-type: none"> Pacific Regional Consultation Report: Strengthening Conservation and Sustainable Use of Plant Genetic Resources for Food and Agriculture in the Pacific Island Countries. Suva, Fiji, 7-10 December 2010 <p>Publications:</p> <ul style="list-style-type: none"> Tuvalu Pulaki (Swamp taro) Pit Salinity Report Giant Swamp Taro Diversity: Descriptors and Characterization A rapid screening methodology for salt tolerance in giant swamp taro (<i>Cyrtosperma merkusii</i>) and its diversity, S. Rao, M. Taylor and A. Jokhan Towards a Strategy for the Conservation and Use of Underutilized Crops in the Pacific: Taylor, M. Jaenicke, H., Mathur, P., and V. Tuia (In progress – to be published in Acta Hort) The South West Pacific Regional Group: A View from Pacific Island Countries and Territories. Mary Taylor IN Plant Genetic Resources and Food Security: Stakeholder Perspectives on the International Treaty on Plant Genetic Resources for Food and Agriculture. Eds. Frison, C., Lopez, F., and J.T. Esquinas-Alcazar. FAO, Bioversity International and Earthscan, UK Managing Fruit Trees in the Kingdom of Tonga Taro (<i>Colocasia esculenta</i>) by Harley Manner and Mary Taylor IN Speciality Crops for Pacific Islands Ed Craig R. Elevitch. Permanent Agriculture Resources, Holualoa, Hawaii Strengthening of Plant Genetic Resources for Food and Agriculture: Conservation and Utilization in the Pacific. Mary Taylor, APAARI, Bangkok, Thailand. The taro improvement programme in Samoa; sharing genetic resources through networking. Tolo Iosefa, Mary Taylor, Danny Hunter and Valerie Saena Tuia An analysis of adaptive capacity in relation to several SPC biodiversity/food security projects Breadfruit of Tonga Long term conservation of aroids; the development and refinement of cryopreservation protocols for the long-term conservation of vegetatively propagated crops. U Lutu and M Taylor <p>Posters/Factsheets:</p> <ul style="list-style-type: none"> Factsheets for 14 Tongan fruits Two swamp taro posters to illustrate diversity and differences in varieties <p>Articles:</p> <ul style="list-style-type: none"> LRD Newsletter articles <p>Documentaries:</p> <ul style="list-style-type: none"> Yam Diversity Fair DVD
Land Management and Resources Policy team	<ul style="list-style-type: none"> Maintain and manage the Agriculture and Forestry Policy Network Contributed articles of the LRD newsletter. Produced an Economic Blog as part of the SPC Website.
Animal Health and Production team	<p>Manual:</p> <ul style="list-style-type: none"> PARAVET Meat and Hygiene Manual (Final draft) <p>Report:</p> <ul style="list-style-type: none"> OIE-SPC WAHIS training report
Biosecurity and Trade	<p>Posters/Brochures:</p> <ul style="list-style-type: none"> Coffee Berry Borer Poster – English and Pidgin editions published for PNG Taro Export Pathway Poster for Samoa Biosecurity Awareness Poster and Brochure for the recent Pacific Games in New Caledonia Exploring source of Corm Rots affecting Fresh Taro exports from Fiji – to be finalized by mid September.