

Inventory of Land Resources Division, SPC Research Projects in the last 5 years including this year (2010-2015)

The recent Apia Research Extension Forum agreed to establish an inventory of current and past research projects and agendas undertaken by research institutions/MAFs within the region and that the same platform could be used to develop a contact list of researchers/specialists to be shared. SPC with the PIRAS Board is currently undertaking an inventory of past and ongoing research in the region. Table below provides the initial inventory of research in the region.

No	Title of Research Project (s)	Priority Area of Focus	Commodity	Summary of Outcome(s) achieved	Project duration	Status (on-going or completed)?	Project Sites/Country	Donor(s)	Collaborating Partners
1	PGR Activities	Genetic Resources		<ul style="list-style-type: none"> Continuous supply of crops and food trees to strengthen the resilience of agriculture system to CC through plant breeding, soil improvement, public awareness and other measures 	Continuous	On-going	Cook Islands		Ministry of Agriculture
2	PGR Activities	Genetic Resources		<ul style="list-style-type: none"> Build resilience to CC through crop diversity 	Continuous	On-going	FSM	AUSAID ICCAI	Ministry of Agriculture
3	PGR activities	GR		<ul style="list-style-type: none"> PGR management; sharing, networking. Food security for national level 	Continuous	Continuous	Fiji		Ministry of Agriculture
4	PGR activities	GR	Banana	<ul style="list-style-type: none"> Field gene bank of Pacific regional bananas. Promoting conservation and diversity 	Continuous	Continuous	French Polynesia		
5	PGR activities	GR		<ul style="list-style-type: none"> Diversify genetic base with the introduction of climate resilient crops and trees 	Continuous	Continuous	Kiribati		
6	PGR activities	GR		<ul style="list-style-type: none"> Diversify genetic base with the introduction of climate resilient crops and trees 			Marshall Islands	AUSAID ICCAI and Global Crop Trust Fund Regeneration project	
8	PGR activities	GR		<ul style="list-style-type: none"> Identify, conserve characterise and improve crop varieties that is able to adapt to local soils and growing conditions 			New Caledonia		
9	PGR	Main crops focus is bananas.		<ul style="list-style-type: none"> To do a collection of of taro germplasm, technical assistance and data collections. More studies for taro varieties that suit the cooler climate condition 			Niue		

10	PGR	GR		<ul style="list-style-type: none"> • PCC-CRE maintains active germplasm collections. • AUSAID project evaluation of taro varieties for salt tolerance and promotion of food security 			Palau		
11	PGR	GR		<ul style="list-style-type: none"> • 4 NARI sites of crops germplasm ;bananas, cassava, abika (bele), yams and SP. • NARI HRC TC in vitro storage for crops. 5 projects funded by the Crop Diversity Trust Fund for the past 5 years 			PNG		
12	PGR	GR		<ul style="list-style-type: none"> • Field conservation of tree crops, root crops, fruit trees nuts and species • A new coconut seed garden will be established on a 200-hectare lease gvt. Land for safety back up for the Regional Coconut Genebank 			Samoa		
13.	PGR	GR		<ul style="list-style-type: none"> • Collection, maintaining, improvement and distribution of climate resilient crops. • Capacity building, securing facilities needed for conservation, formulation of policies and regulation governing the movement of GR and International treaties and MTA transfer (GOvt. priorities) 			Solomon Isla		
14	PGR	GR		Crop diversification to adapt to CC and ensure good nutrition			Tonga		
15	PGR	GR		<ul style="list-style-type: none"> • Narrow gene pool of crops for food security • Vegetables introduced for home gardens • Research facility holds a collection of coconuts and citrus fruits • Improve atoll soil with fertiliser and compost but running out of green manure 			Tuvalu		
16	PGR	GR		<ul style="list-style-type: none"> • Regeneration of yams and SP 			Vanuatu		

				<p>germplasm, regional bananas collections, breadfruit, taro modelling and edible aroids</p> <ul style="list-style-type: none"> Evaluation programme of SPC crops incl. SP. Taro, swamp taro, bananas, yams, cassava and irish potatoes (received past two years) 					
17	PGR	GR		<ul style="list-style-type: none"> Research continues with crops varieties received from CePaCT and National Selection <p>Coconut industry on recover mode after the</p> <ul style="list-style-type: none"> cyclones(replanting programme) Need awareness on soil management to community 			Wallis and Futuna		
	Soil Health	Soil, Crop Production		<ul style="list-style-type: none"> Compost and variety of kumala suitable for atoll condition is identified 	Ongoing		Kiribati	SPC	ACIAR
	Genetic resources	Plant		<ul style="list-style-type: none"> Genetic diversity of bananas Bele Project Ornamental crops Endemic citrus study 	5	On going	NC	GOPS, FP;	SCP, Bioersivity International, CIRAD, SRD French Polynesia, pacific countries
	Functionnal agro ecology	Plant		<ul style="list-style-type: none"> Water management Organic matter management Study of soil/plant/climate system 	5	On going	NC	MOM (French)	PRFI, Wallis and Futuna, Vanuatu, France
	Zoo and Plant protection	Livestock and plants	5	<ul style="list-style-type: none"> Natural substances Cattle ticks Pests (collection of insects) IPM 	On going		NC	FP	PRFI, France
	Pest & Disease	Plant Health		3 weeks Specimen & samples		Ongoing	AS		SPC

	Survey			collected					
	Citrus Greening Survey	Plant Health			3 years	Ongoing	AS		SPC
	Rhinoceros Beetle Survey	Biotype Confirmation					AS		
	Traditional green vegetables	Crop production		Published knowledge	unlimited		PNG	University, Christensen Fund	
	Poultry/pig feeding	Livestock		Published papers	On-going	unlimited	PNG	University and self funded	
	Poultry genetics	Livestock		Yet to be published	On-going		PNG		
	Coping with pressures on land use	Social Science		Data being accumulated	On-going		PNG	University, Christensen Fund	
	'in vitro selection for salt tolerance in taro'	Crop production			3 years	On-going	FSM	USDA	
	In vitro selection for salt tolerance in Sweet Potato	Crop Production			3 years	On-going	FSM	USDA	
	Improvement of Pohnpei Black pepper through tissue culture	plant health/ crop production		Multi-site project	5 years	On-going	FSM	USDA	
	Compare production of cassava varieties in Pohnpei conditions	Crop production			3 years	On-going	FSM	USDA	
	Pineapple multiplication through tissue culture	Crop production		Multi-site project	3 years	On-going	FSM	USDA	
	Field testing of salt	Crop			3 years	On-going	FSM	USDA	

	tolerance in Sweet Potato	production				collaboration with in-vitro trials			
	Field testing of salt tolerance of Giant Swamp Taro varieties	Crop production		book published on management practices	3 years	On-going	FSM	USDA	
	Effects of Pruning Cassava in Its Tuber Yield, Yield Components, Storage and Eating Qualities	Crop production			3-5 years	Proposed-awaiting approval	FSM	USDA	
	Rehabilitating degraded lands of Pohnpei, FSM, with focus on <i>Mal</i> soils	Soil			3 years	Awaiting approval	FSM	USDA	
	Climate Smart Agriculture	Soil/ Climate Change			3 years	On-going	FSM	USDA	Collaborating with other agencies and other funding sources
	Role of biochar in improving the fertility of degraded volcanic soils in Yap	Soils			3 years	On-going	FSM	USDA	Collaboration with Univ. of Guam