



Papua New Guinea



Pacific  
Community  
Communauté  
du Pacifique

## PACIFIC COMMUNITY, LAND RESOURCES DIVISION IN THE PACIFIC Overview of Current and Future Support



LRD  
Land  
Resources  
Division

POPULATION  
(2020)  
 8,934,475

POPULATION  
GROWTH (2020)  
 +2.15%

GDP PER CAPITA  
(USD) 2020  
 2,854

### Papua New Guinea - LRD Cooperation Summaries



#### OBJECTIVE 1: Land, agriculture, forestry and genetic resources are sustainable managed/ conserved

- The GRIN-Global genebank information system was installed to trial its compatibility with CePaCT's documentation systems. The new system will have a website where users can access information on crops that are available from the CePaCT genebank.
- At end of December 2020, a total of 2,241 accessions of 18 crops were conserved at CePaCT. A total of 67% of the accessions originated from the Pacific, representing diversity from 16 Pacific Island Countries and territories, including Papua New Guinea with a total of 376 accessions of 5 crops (Banana, bele, sweet potato, taro, yam).
- Two regional workshops were held by PROTEGE (coconut and forests/ agroforestry). These workshops made it possible to develop two regional action plans (one for the coconut sector and one for forestry and agroforestry).



#### OBJECTIVE 2: Enhanced ability to meet local and international market requirements for agricultural and forest products

- COVID-19 delayed work on the diversification of livelihoods and value chains. However, the work is expected to be on track as the situation normalises. The gender and value-chain assessment toolkit is being developed.
- The gender and value-chain assessment training module for agricultural products is being developed. A financial training module, the Participatory Guarantee System and the Pacific Organic Standard are being revised.
- The LRD team is currently engaging a video production company to film biosecurity training videos on biosecurity operating procedures for pre-border, border and post-border risk assessments.

- Ongoing technical advice and support is being provided remotely to farmers on request. Organic farming practices were promoted through weekly posts and the POETCom (Pacific Organic and Ethical Trade Community) Quarter 3 newsletter, as well as through POETCom's website and social media platforms.
- A workshop on the regional International Plant Protection Convention (IPPC) is scheduled to be held from 31 August – 3 September 2021.



#### OBJECTIVE 3: Access to diverse and nutritious agriculture and forestry resources resilient to impact of climate change and disasters

- The Plant Health Team at LRD provided online training on a range of integrated pest management practices, for example, to train PNG plant health doctors on how to conduct insecticide resistance trials.
- The Plant Health Team, in partnership with country plant doctors, collated and analysed plant health clinic (PHC) data and results collected via WhatsApp. PHC results are compiled to support mapping of pests and disease trends and distributions in selected localities and data will be incorporated in the pest database.
- A Plant Health Clinic manual was finalised and published in 2020. This manual is used to support extension services in pest and disease surveillance and diagnostics at the farmer field level.
- The design of the coconut rhinoceros beetle (CRB) database was finalised. The database is now operational, with data entered data using the KoBo Toolbox.
- The coconut rhinoceros beetle (CRB) training manual was finalised and published to guide regional efforts in combating CRB.
- CRB Lures and fall armyworm traps/lures were distributed to PNG.
- An assessment of the seed production programme in Sigatoka and Legalega Research Station, Fiji, with targeted support collated to strengthen the seed unit can also benefit the whole region, including Papua New Guinea

- LRD has developed models for crop variety development and seed production, dissemination of seeds and planting material, and Quality Declared Seeds/Quality Declared Planting Materials for sustainable seed systems in the Pacific that benefitted Papua New Guinea.
- An economic analysis of growing capsicum and tomato in the off season under a protected cropping system showed higher returns compared with field growing. The results provide an important decision tool for governments and farmers. Economic analysis of protected cropping is being incorporated in a new manual currently being finalised.
- A draft protected cropping field manual is being developed in collaboration with Fiji's Ministry of Agriculture. The manual will provide a tool that governments and farmers can use to support scale-up of protected cropping systems.



**OBJECTIVE 4: Regional and national policies, programmes and services in agriculture and forestry are gender responsive, socially inclusive, and promote and protect cultural heritage and human rights.**

- The Genebank Policy under development will benefit the region, including Papua New Guinea, and is expected to be further developed in the fourth quarter of the year.
- The regional seed systems roadmap is currently being reviewed and edited for implementation by the Pacific Seeds for Life programme. This benefits the region, including Papua New Guinea.

- Under the PHAMA plus project, the Animal Health and Production (AHP) framework has been drafted and is currently under review and this will benefit the region, including Papua New Guinea.



**OBJECTIVE 5: Integrated farming systems and services strengthened**

- Three male technicians and three PhD researchers from PNG were trained on bioassay techniques.
- The soil sampling protocol is now being prepared for printing as a field booklet for distribution.
- The USP-SAFT (School of Agriculture Food and Technology) is currently developing soil correlation studies.
- Soil Dr Programme guidelines that will provide an outline of how to address capacity building needs in soil management will be completed in June.
- Building capacity in Pests and Disease description such as diagnoses of insects, fungus, bacteria and unknown substances, as well as management for national Plant Health Clinic champions, is on-going through the Centre of Agriculture and Biosciences International (CABI).
- LRD successfully facilitated the level 3 certification of the Plant Health Lab in coordination with the Biosecurity Authority of Fiji and the National Fire Authority of Fiji.

## LRD Priorities for Partnership with Papua New Guinea

PAPUA NEW GUINEA NATIONAL AGRICULTURE POLICY GOALS	SUSTAINABLE DEVELOPMENT GOAL	LRD PRIORITIES
<b>POLICY AREA 1:</b> Agriculture research, extension, information and training	1 NO POVERTY 2 ZERO HUNGER 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE	<ul style="list-style-type: none"> <li>• Excellence in agriculture and forestry research and development in the Pacific</li> </ul>
<b>POLICY AREA 2:</b> Food and horticultural crops development	1 NO POVERTY 2 ZERO HUNGER 15 LIFE ON LAND 17 PARTNERSHIPS FOR THE GOALS	<ul style="list-style-type: none"> <li>• Restoration of our ecosystems to safeguard our children through sustainable practices and systems</li> <li>• Conservation and distribution of genetic resources</li> </ul>
<b>POLICY AREA 3:</b> Tree and industrial crops development	1 NO POVERTY 2 ZERO HUNGER 15 LIFE ON LAND	<ul style="list-style-type: none"> <li>• Sustainable management of forests and landscapes to provide for our future</li> </ul>
<b>POLICY AREA 4:</b> Livestock, apiculture and aquaculture development	1 NO POVERTY 2 ZERO HUNGER 12 RESPONSIBLE CONSUMPTION AND PRODUCTION 17 PARTNERSHIPS FOR THE GOALS	<ul style="list-style-type: none"> <li>• International biosecurity laboratories for conservation and distribution of genetic resources and insects</li> </ul>
<b>POLICY AREA 5:</b> Spice and minor crops development	1 NO POVERTY 2 ZERO HUNGER 15 LIFE ON LAND 17 PARTNERSHIPS FOR THE GOALS	<ul style="list-style-type: none"> <li>• Opportunities to collaborate on cross cutting regional problems (Climate change, food systems, pests and disease incursions)</li> </ul>
<b>POLICY AREA 6:</b> Gender, social and HIV/AIDS related issues	5 GENDER EQUALITY 10 REDUCED INEQUALITIES 17 PARTNERSHIPS FOR THE GOALS	<ul style="list-style-type: none"> <li>• Expert technical knowledge built over time in atoll agriculture, genetic resources forestry and land use management and policies, biosecurity and value chain work</li> </ul>
<b>POLICY AREA 7:</b> Regulatory and technical services	8 DECENT WORK AND ECONOMIC GROWTH 12 RESPONSIBLE CONSUMPTION AND PRODUCTION	<ul style="list-style-type: none"> <li>• International biosecurity laboratories for conservation and distribution of genetic resources and insects</li> </ul>
<b>POLICY AREA 8:</b> NADP management and coordination	17 PARTNERSHIPS FOR THE GOALS	<ul style="list-style-type: none"> <li>• Understanding of the regional environment and contexts that helps in developing Pacific solutions for Pacific problems</li> </ul>

### ADDRESS

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### FOR ENQUIRIES

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