

Capacity Development Workshop for the Pacific
Region on NBSAPs, Mainstreaming of
Biodiversity, and the Integration of Climate
Change

2-6 February 2009

Nadi, Fiji



SPC MARINE RESOURCES

- The impact of climate change on Pacific fisheries
- Enable the vulnerability of oceanic, coastal, freshwater and aquaculture to be assessed
 - the observed and projected changes to Pacific climate and oceanography
 - the effects of these changes on the ecosystems that support fisheries;
 - projected changes to fish stocks themselves



SPC MARINE RESOURCES

- Results for study will be used to compile a book on the likely impacts of climate change on oceanic, coastal and inland fisheries and aquaculture in the Pacific
- Also working with SPREP on PIFACC: will help countries identify and implement the management and policy adaptations needed to maintain production of the fish they require.



SPC LAND RESOURCES DIVISION: AGROBIODIVERSITY AND CLIMATE CHANGE

- Genetic Resources – “climate-ready” crops/varieties
- Plant Health – strengthening capacity to diagnose P&D – national and regional
- Crop Production – different systems; soil amelioration; Centre of Excellence in Atoll Agriculture
- Forests and Trees – agroforestry, diversity, CDM
- Land Use and Policy – land use planning; mainstreaming CC into agricultural policy
- Animal Health and Production – diagnostic skills, breeds (diversity); systems approach
- Information, Communication and Extension – community resilience through better dissemination of information, capacity strengthening, traditional knowledge



SPC GENETIC RESOURCES PROGRAMME

What is our vision?

- To make a significant contribution to sustainable development and economic growth through the efficient and effective conservation and use of crop and tree genetic resources.
 - The Centre for Pacific Crops and Trees (CePaCT)
 - Pacific PGR network – PAPGREN



CLIMATE CHANGE – USING DIVERSITY TO MANAGE THE IMPACT



Awareness and information
Crop/variety evaluation
Soil, land use – part of a package

ASSISTING FARMERS IN THE PACIFIC TO MANAGE CLIMATE CHANGE

- Building a “climate ready” collection. The crops/varieties in this collection will possess traits such as drought and salt tolerance to help farmers manage climate change
- Crops/varieties in the “climate ready” collection will be virus indexed so accessible to countries
- Genetic Resources will work closely with other thematic groups in LRD such as Crop Production so that “climate ready” crops/varieties are distributed as one component of an adaptation package.

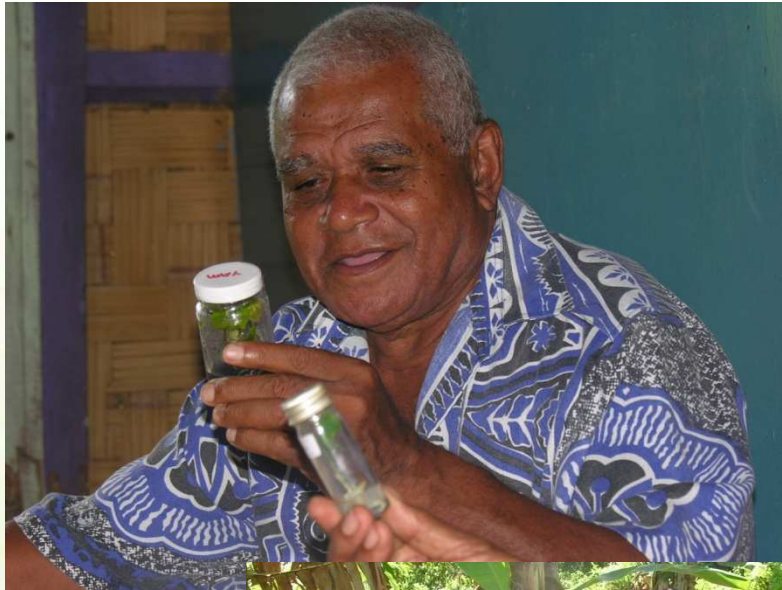


BUILDING A "CLIMATE READY" COLLECTION

- Activities will include:
 - Screening existing collections in collaboration with countries to determine which accessions in collections have traits such as drought tolerance. Working closely with the Taro Improvement Programme in Samoa
 - Evaluation of taro core collection in PNG for drought and salt tolerance
 - Collecting missions where necessary – working with countries to collect crops and varieties suitable for marginal conditions, for example, Xanthosoma, Alocasia, sweet yam
 - Collaborating with IARCs to access their material – salt and drought sweet potatoes



LOCAL DISTRIBUTION:GENEBANK TO FARMER



LOCAL DISTRIBUTION:GENEBANK TO FARMER



DISTRIBUTION TO COUNTRIES

- For example, in collaboration with FAO Food Security Project: provided over 10,000 banana plants to SIDS
- Project in Kiribati provided good information about banana varieties



POSSIBLE FUTURE ACTIVITIES

- Increased activities in agrobiodiversity
 - Strengthening planting material capacity in countries (Fiji and RMI)
 - Better understanding of how CC will affect the way different elements of AGBD interact in food and agricultural systems – pollination, soil fertilization, and natural biological control of plant and animal pests
 - Impact of higher concentrations of CO₂ on yield of major staples



Adaption to Climate Change in the Pacific Island Region: Regional GTZ/SPC Programme

- German Government commits for ~ 1.5 Billion USD for funding CC-related measures in developing countries
- GTZ implements > 80 programs directly focusing on CC with approx. 400 Million USD
- Four main working areas of GTZ activities on CC:
 - Policy advice
 - Mitigation
 - Adaptation
 - Mainstreaming Climate Change within German development aid (“climate check”)



Strategic frame of the new SPC/GTZ- programme

- Building & strengthening capacities of stakeholders at regional, national and local level for adaptation to/mitigation of Climate Change regarding land based natural resources, through
 - Mainstreaming Climate Change in SPC-LRD sector strategies and approaches and developing new advisory services within SPC-LRD related to CC
 - Mainstreaming policies and strategies on land based resources and land use planning in Tonga and Vanuatu and subsequently implement them



Strategic frame of the new SPC/GTZ-programme (II)

- Developing adaptation strategies in at least 3 member countries and subsequently implement them
- Assisting Fiji to negotiate a contract for certified emission reduction (CER) for avoided deforestation in international carbon trade market
- Strong partnership with CROP-agencies such as SPREP, SOPAC, PIFS, USP and others
- 4-years duration starting in January 2009 with a German contribution of up to 5.6 Million USD



Further steps

- Preparation period 01/2009
- Organizing strategic planning workshop to debate and elaborate result chains 02/2009
- Organising specific planning workshop in member countries to establish operational plans 03/2009
- Implementing phase 2009-12



VINAKA

